

Recitely

Final Year Project

Session 2016-2020

A project submitted in partial fulfillment of the degree of

BS in Computer Science



Department of Software Engineering

Faculty of Computer Science & Information Technology

The Superior College, Lahore

Spring 2020

Type (Nature of project)	[<input checked="" type="checkbox"/>] Development [<input type="checkbox"/>] Research [<input type="checkbox"/>] R&D			
Area of specialization				
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*The candidates confirm that the work submitted is their own and appropriate credit has been given where reference has been made to work of others

Plagiarism Free Certificate

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Signature: _____

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Project Report

Recitely

Change Record

Author(s)	Version	Date	Notes	Supervisor's Signature
	1.0		<Original Draft>	
			<Changes Based on Feedback from Supervisor>	
			<Changes Based on Feedback From Faculty>	
			<Added Project Plan>	
			<Changes Based on Feedback from Supervisor>	

APPROVAL

PROJECT SUPERVISOR

Comments: _____

Name: _____

Date: _____ Signature: _____

PROJECT MANAGER

Comments: _____

Date: _____ Signature: _____

HEAD OF THE DEPARTMENT

Comments: _____

Date: _____ Signature: _____

Dedication

We dedicate this project to Allah Almighty our creator, our parents who help us a lot and give us everything we want. Also they appreciate us and they believe on ourselves. We also dedicate this project to our teacher. We can never make this project without our teachers. He makes us able to do this and we are very thankful to our teachers.

Thank you very much our teachers. May Allah bless you all.

Acknowledgements

We would like to express our special thanks to gratitude of our teacher (Mam Sabah Arif) who gave us the golden opportunity to do this wonderful project on the topic (Recitely), which also helped us in doing a lot of research and we came to know about so many new things. We are really thankful to them.

Secondly, we would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time frame.

Executive Summary

We are introducing an android application which will resolve the issue of hafiz e Quran while reciting. Hafiz e Quran do mistakes during reciting especially when they are reciting without seeing the Quran. When they do some mistake during recitation, they need to open Quran and find that verse to rememorize the verse. So, we thought that we will develop an android application that will listen the recitation of Quran and find mistakes during reciting and notify our mistakes. In this application, we are going to use java language SQLite, speech recognition and android studio.

This application will help the Hafiz-e-Qurans and other peoples to check their mistakes during reciting and notify them. Millions of peoples exist in the world and every person has his own accent to recite Quran, this application will work for all type of accents to recite Quran. Millions of peoples in all over the world recite Holy Quran, Sometimes they do some mistakes in reciting and sometimes hafiz-e-Quran is reciting and he forgot some verses so, he can check their mistakes with this application and correct his mistakes. In a Hadith, our beloved Prophet (SAW) said that:

“Verily the one who recites the Quran beautifully, smoothly, and precisely, he will be in the company of the noble and obedient angels. And as for the one who recites with difficulty, stammering or stumbling through its verses, then he will have TWICE that reward.”

In this application, we are going to use speech recognition and java language. Speech recognition is the ability of a machine or program to identify words and phrases in spoken language and convert them to a machine-readable format. We will match the person words or phrases with the words or phrases that already exist in our database. We will use java language to make application and its functions and make our application layout (.xml file) on android studio. Xml language is used for front-end designing and java language for back-end of this application. Our application will work almost on all smartphones perfectly.

The purpose of this project is to minimize the mistakes during reciting Holy Quran and make people able to recite Quran easily and correctly. They can check their mistakes via or through this application named (Recitely) on smartphones whenever they want.

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Chapter 1

Introduction

Chapter 1: Introduction

We are implementing an android application that will help the Hafiz-e-Qurans and other peoples to check their mistakes during reciting and notify them. Millions of peoples exist in the world and every person has his own accent to recite Quran, this application will work for all type of accents to recite Quran. Many peoples in all over the world recite Holy Quran, Sometimes they do some mistakes in reciting and sometimes hafiz-e-Quran is reciting and he mixed some verses so, he can check his mistakes with this application and correct it.

1.1. Background

Memorize the whole Quran is not an easy task but it is the only book by the Allah which can be completely memorize-able. Many peoples memorize whole Quran in the world whereas some people memorize some surah of Quran. After a person completely memorized Quran, he needs to rehearsal it regularly and if he did not do it, with the passage of time, he forget Quran. So, for the rehearsal of Quran he needs a person who will listen his Quran and identify his mistakes so that he can correct them but having a constant person with him is not possible. After knowing this problem, we decided to solve this problem by introducing this android application. It will listen the recitation of peoples and identify their mistakes.

1.2. Motivations and Challenges

In this digital growing world, everything is going to towards digitization. Almost every person is using some kind of technology. New technology is introducing day by day. Speech recognition is also a technology by using which a person can control his/her system by using his voice. This technology inspired us a lot and in the result of this, we did this project. Many challenges we have faced during the development of this project because every person has his own accent to recite Quran. So, handling many accents is very big challenge for us and noise cancelation is also very important for this project.

1.3. Goals and Objectives

We wanted to solve the problem for hafiz e Qurans and the peoples who memorized some surah of Quran, so that if they recite wrong or skip some verse during recitation, we will correct them. Our objective is to achieve hundred percent accuracy in this project because there is no space for mistakes in Quran Sharif and we wanted this software or application to support every accent so that everyone can use it easily.

1.4. Literature Review/Existing Solutions

It is not an easy task to memorize whole Quran but it is the only book by the Allah which can be completely memorize-able. Many peoples memorize whole Quran in the world whereas some people memorize some surah of Quran. After a person completely memorized Quran, he needs to rehearsal it regularly and if he did not do it, with the passage of time, he forget Quran. So, for the rehearsal of Quran he needs a person who will listen his Quran and identify his mistakes so that he can correct them but having a constant person with him is not possible. So, moving towards digitization is the only solution for it.

After researching, we found that there exists some solutions for this problem. So, we decided to check every solution. Almost every solution have some flaws in it and these are not fulfilling our requirements too. We used all applications personally and did a lot of research on it. Some applications are not working on runtime. We need to record our voice and then it checks our mistakes but it is not accurate. After facing these issues, we conclude that we can make better application then previous. Some of them are not accurate like they were not finding mistakes properly and these were not supporting all accents.

1.5. Gap Analysis

After a lot of research, we found that there exists some other android applications on the internet which are providing recitation features but their accuracy of error detection is very low. These applications do not work at runtime. User needs to record his voice and then application detects his mistakes. Our application will work at runtime and give maximum accuracy than other applications as well as we are providing other features like qibla finder and hijri calendar. Currently, we are giving facilities to the people for use this project only in Pakistan but with the passage of time, we will deploy this project in all over the world. We will also enhance the accuracy of this project and introduce extra features in it like qibla direction finder and hijri calendar.

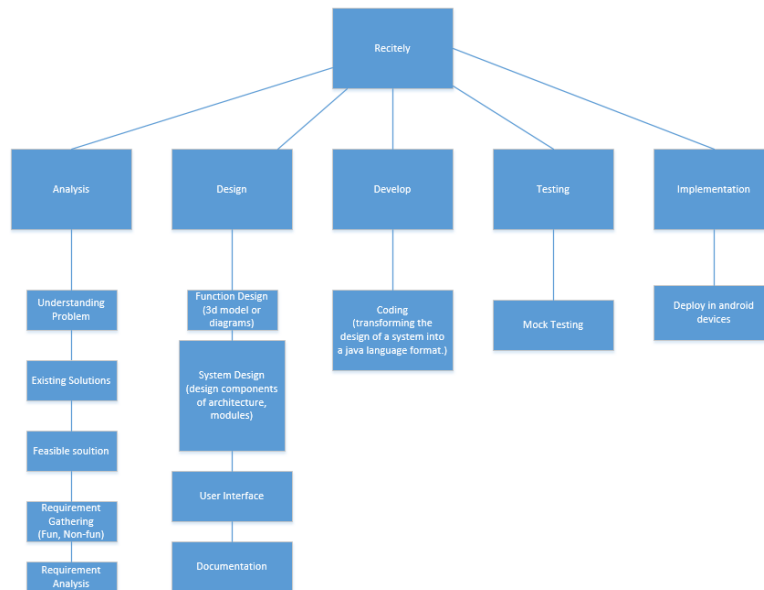
1.6. Proposed Solution

We proposed a solution to resolve the problem for the people who recite quran. We thought to move towards digitization so that we can resolve this issue. Now, we are going to introduce an android application that will help the Hafiz-e-Qurans and other people to check their mistakes during reciting and notify them. This application listens the recitation of quran and if someone does a mistake, it will detect the mistake and notify them. Millions of people exist in the world and every person has his own accent to recite Quran, this application will work for all types of recitation accents. We will also offer extra features with this application but main feature is error detection during recitation.

1.7. Project Plan

We are developing this project for all Hafiz e Quran and the people who memorized some surah of Quran. As we know that, hafiz e quran exists in all over the world, we decided to target only Pakistan people for now. This project is going to be completed in almost 4 years so that working on every single word is not an easy task. We will try to consume minimum cost to develop this application and provide maximum efficiency.

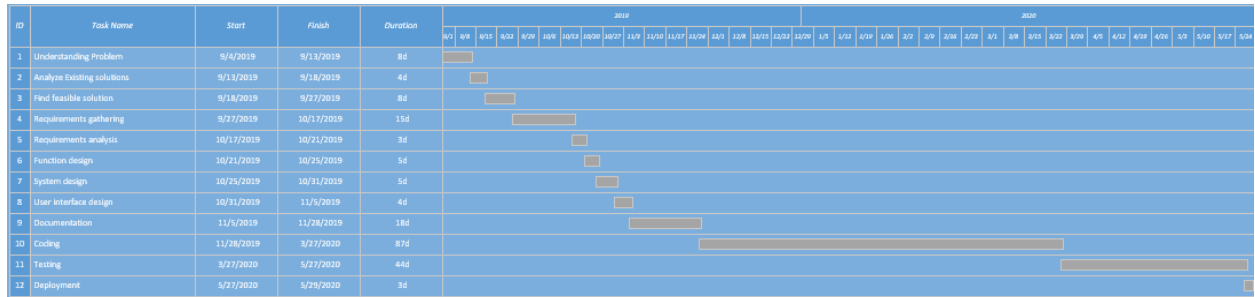
1.7.1. Work Breakdown Structure



1.7.2. Roles & Responsibility Matrix

Description	Hafiz Zeeshan	Ameer Hamza	Jahangir Javed
Requirement Gathering	R	C	I
Requirement Analysis	R	C	I
Analysis of existing system	R	C	I
User interface	C	R	I
Backend designing	R	C	I
Testing	R	C	I
Deployment	C	C	R

1.7.3. Gantt Chart



1.8. Report Outline

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Chapter 2

Software Requirement Specifications

Chapter 2: Software Requirement Specifications

2.1. Introduction

2.1.1. Purpose

This software or application will help the peoples who recite Quran without seeing it. It will identify their mistakes and notify them about their mistakes so that they can easily correct their mistakes in very less time.

2.1.2. Document Conventions

DB	Database
DDB	Distributed Database
ER	Entity Relationship

2.1.3. Intended Audience and Reading Suggestions

This application or software is the prototype for speech recognition system and restricted within the university premises. This project has been implemented under the guidance of our teachers. This project is useful for the hafiz e Quran and as well as the peoples who recite Quran without seeing it. *We have developer, tester, project manager, marketing manager as well as financial manager in our team. Every member of our group have access to test or check this project SRS but only project manager and developer have rights to do modifications in SRS.*

2.1.4. Product Scope

This is an android application designed for the hafiz e quran and the peoples who memorized some verses or surah of quran to resolve their issues. When peoples recite quran without seeing

on it, they do mistakes like they missed a word or they forget next ayat. Then they need to open quran so that they can correct their mistake. So, it will consume more time to identify mistake. Another scenario is, hafiz e quran needs to rehearsal the quran so that he did not forgot quran with the passage of time. For this purpose, he needs a person who listen his recitation and identify his mistake but having a person with him all the time is not possible. Many peoples are facing this problem and most of them are hafiz e quran. So, we decided to make this application. Our application fulfills the requirements of the peoples. Recitely will listen the recitation of a person and if he does some mistake during recitation, it will identify the mistakes and notify the person. Person can select surah of quran which he is going to be recited and start our application. When he recites wrong, there is an alarm which will be generated by our application to alert user. Different peoples have different accents to recite quran and it is not easy to handle every accent and it is the biggest risk in our application but our application supports all accents to recite quran and gives 100 percent accurate results. Recitely can be usable in limited noisy environment, extra noise is not acceptable. Recitely satisfies the needs of users and provides quality user experience.

Methodology:

The purpose of making this application is to give easiness to hafiz e qurans and other peoples who recite quran. When peoples are reciting quran, sometimes they skip some words during recitation especially when they are reciting quran without seeing on it. Now, they need to open the quran and need to identify and correct their mistakes. It consumes large amount of time and in some cases, mistakes are not identified. If a person is reciting and another person is listening his recitation, this problem can be solved but having a person which is available to him every time, is not possible. So, we decided to move towards digitization by making this application. Recitely does the task of another person which is listening recitation, identifying mistakes and notifying him.

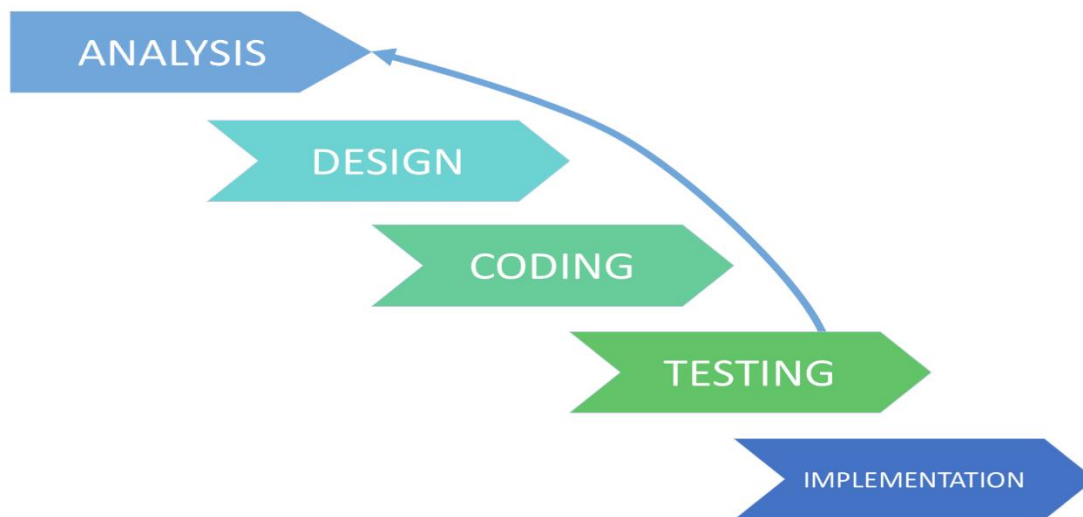
As we know that there is no space for mistake in the recitation of quran, recitely needs to give us 100 percent accurate results. We are following Iterative SDLC model for making this application. We will add whole quran in this application and it is done by adding smaller portions of quran known as surah. We will add surah of quran one by one in recitely and perform different operations on it. After adding a surah, testing is perform on it for best or accurate result and then we will repeat same process by adding new surah. This application will take input from human voice

(recitation), convert it into string form and match this string to the string which is already stored in its database. After matching strings, application will generate result. Iterative SDLC model is feasible due to some reasons which are followings:

Due to smaller iterations, testing and debugging is very easy (adding quran surah by surah)

- We can apply parallel development in it (two developers can add two different surah in it at the same time)
- Some functions can be developed quickly (smaller surah can be added quickly)
- Easy to control risk (due to small iterations, it is easy to control risk instead of bigger iteration)

Diagram:



2.1.5. References

- Reading in Speech Recognition edited by Alex Waibel & Kai-Fu Lee
- <https://books.google.com.pk/books?hl=en&lr=&id=iDHgboYRzmgC&oi=fnd&pg=PA1&dq=speech+recognition+research+papers&ots=jcbSGRVrfF&sig=QD5FYLavFfKWj4Wx7kqEweX5Wi8#v=onepage&q=speech%20recognition%20research%20papers&f=false>

- <https://github.com/topics/quran-api>

2.2. Overall Description

2.2.1. Product Perspective

This application is supposed to be an open source. It is android based application that check mistakes during recitation and notify them. This application provides simple functionality for users to find their mistakes during recitation.

Followings are the main features that are included in this application:

- **User account:** This application allows the user to create their accounts on our application and get premium services.
- **Versatile:** This application is versatile in such a way that everyone can use it and it also supports all android operating system.
- **Accuracy:** This application has maximum accuracy to identify mistakes during recitation.

2.2.2. Product Functions

Followings are the functions of our product:

- **User account:** This application allows the user to create their accounts on our application and get premium services.
- **Versatile:** This application is versatile in such a way that everyone can use it and it also supports all android operating system.
- **Accuracy:** This application has maximum accuracy to identify mistakes during recitation.

- **Recitation:** Check mistakes during recitation of Quran via this application.

2.2.3. User Classes and Characteristics

Users of this application will be able to identify their mistakes during recitation as well as they will be to find qibla direction and check hijri calendar also. This application will support two types of clients that are normal users and premium users. Normal users have access to normal user functions like recitation error detection, and the premium users have access to both normal users function and extra feature with high accuracy.

The normal users should be able to do the following functions:

- Error detection while recitation or reciting

The premium users should be able to do the following functions:

- Qibla Finder
- Hijri Calender
- Error detection while recitation or reciting with high accuracy

2.2.4. Operating Environment

This is the internet based system and hence will require the operating environment for a client and server GUI.

Operating environment for the Recitely application is as listed below.

- Operating system: Android
- database: Firebase
- platform: Java/XML

2.2.5. Design and Implementation Constraints

This application is provisioned to be built on android studio (Java) which is highly flexible and most commonly used software in all over the world. It will also give maximum performance and support almost all android operating systems.

2.2.6. User Documentation

We do not provide any user manual because this application has very user friendly interface and everyone can easily understand it by just seeing it but we are also giving our emails to contact us.

- Zeeshan6910@gmail.com
- Ameerch336@gmail.com
- Bcsm-f16-168@superior.edu.pk

2.2.7. Assumptions and Dependencies

This application highly depends on the environment and the internet connection. You cannot use this application without internet and at such places where the noise level is maximum or extraordinary.

2.3. External Interface Requirements

2.3.1. User Interfaces

The user interface for this application will be compatible to any android device such as mobile and tablets. The user interface will be implemented using following tools:

- Front-end software: XML
- Back-end software: JAVA

2.3.2. Hardware Interfaces

This application must run with the internet, all the device must have to connect with internet. It will be hardware interface for the system. Because we are using android phones, we must have wireless internet connection.

2.3.3. Software Interfaces

Following are the software used for the recitely online application.

Software used	Description
Operating system	We have chosen android operating system for its best support and user-friendliness.
Java & XML (Android Studio)	To implement the project we have chosen Java & XML language for its more interactive support and best design.

2.3.4. Communications Interfaces

This application supports all version of android operating system. We are using android devices to deploy our application and internet must be needed to use it and user can contact us by our emails for any queries. Communication will be perform via emails between users and us.

2.4. System Features

This section includes the requirements that specify all the fundamental actions of the software system.

2.4.1. Recitation

System will work accurately because no mistake is acceptable in reciting Quran.

2.4.1.1. Description and Priority

This function of the application listen the recitation of the Quran and detect mistakes during recitation. Recitely must deliver 100 percent accuracy. Accuracy is the main requirement for this project because there is no space for mistake in the recitation of Quran.

2.4.1.2. Stimulus/Response Sequences

- Detect voice of the person (Recitation of Quran)
- Compare with datasets which are already stored
- Detect mistakes

2.4.1.3. Functional Requirements

Accuracy is the main functional requirement for this project so that there is no space for the mistakes during the recitation of Quran. Recitely must deliver accurate result with in few seconds. This application must be efficient too. It would not take a lot of time to generate results. Detecting voice should be very efficient in noisy environment. We are using Google voice recognition API in this application so, internet is compulsory.

REQ-SF1-1: Accuracy

REQ-SF1-2: Efficiency

REQ-SF1-3: Internet

2.4.2. Qibla Direction

System will find qibla direction for the users.

2.4.2.1. Description and Priority

This function will be used to determine the qibla so that a person can easily find qibla and offer prayers. Application will use our current location to find qibla direction to offer prayers.

2.4.2.2. Stimulus/Response Sequences

- Access current location
- Determine Qibla direction

2.4.2.3. Functional Requirements

Determine the current location is compulsory to find the direction of Qibla. For this purpose, keeping your location option on from your android devices is necessary. Once your current location is detected, it will detect Qibla direction easily, efficiently and accurately.

REQ-SF2-1: Current location (Keeping turn on the location option from android devices)

2.4.3. Login & Registration

User can make an account and use login as well.

2.4.3.1. Description and Priority

This function will be used to make the account for the premium users or clients so that they can use our premium services.

2.4.3.2. Stimulus/Response Sequences

- Check unique email for registration
- Check correct email and password for login

2.4.3.3. Functional Requirements

The system should have a user registration process in order to get login into the system for premium users. There will be two type of users premium and regular. Premium users can use other feature whereas regular users can use only recitation feature of this application.

- Customer can register itself and login to the application

2.5. Other Nonfunctional Requirements

2.5.1. Performance Requirements

The system must be interactive and the delays involved must be less. So, in every action-response of the system, there are no immediate delays. System should detect mistakes during recitation quickly and detection of Qibla direction should be faster. Delays and extra time will not be acceptable in this application.

2.5.2. Safety Requirements

If there is extensive damage to a wide portion of the dataset due to catastrophic failure, the recovery method restores a past copy of the dataset in our application and it should perfectly work after restoring dataset in it.

2.5.3. Security Requirements

This application is connected with firebase and every user has his/her own account on it. User with account can use premium feature of this application. Users account will be saved from hacking and transmission will be through secured path.

2.5.4. Software Quality Attributes

Usability:

As the system is easy to handle and navigates in the most expected way with no delays. In that case the system program reacts accordingly and transverses quickly between its states.

Correctness:

This application generate accurate/correct results with in minimum time.

2.5.5. Business Rules

Simple user can only use this application for recitation purpose but premium user can use premium features of this application like Qibla direction finder and etc. Admin can use all features of this application and if he found some bug, he will contact with coder to fix it.

2.6. Other Requirements

We are using Google Speech Recognition API in this application so, internet is compulsory for using this application. Other features will work perfectly except for recitation feature.

Chapter 3

Use Case Analysis

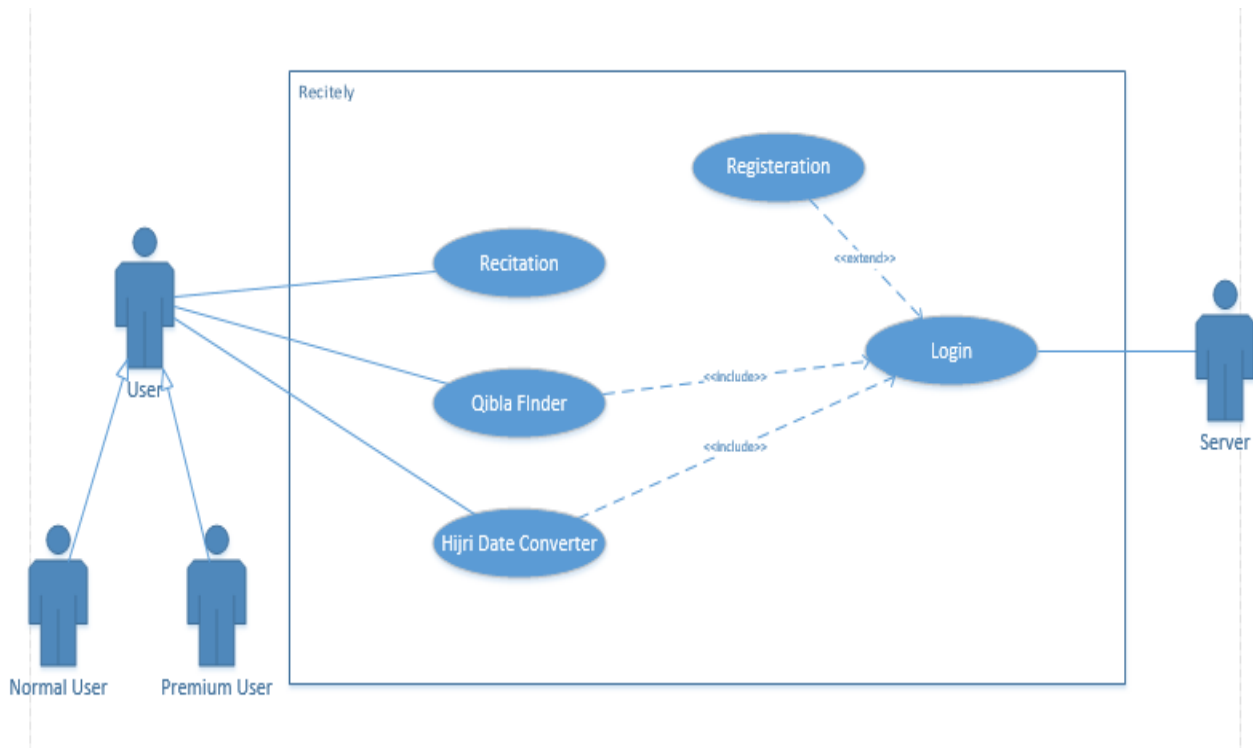
Chapter 3: System Analysis

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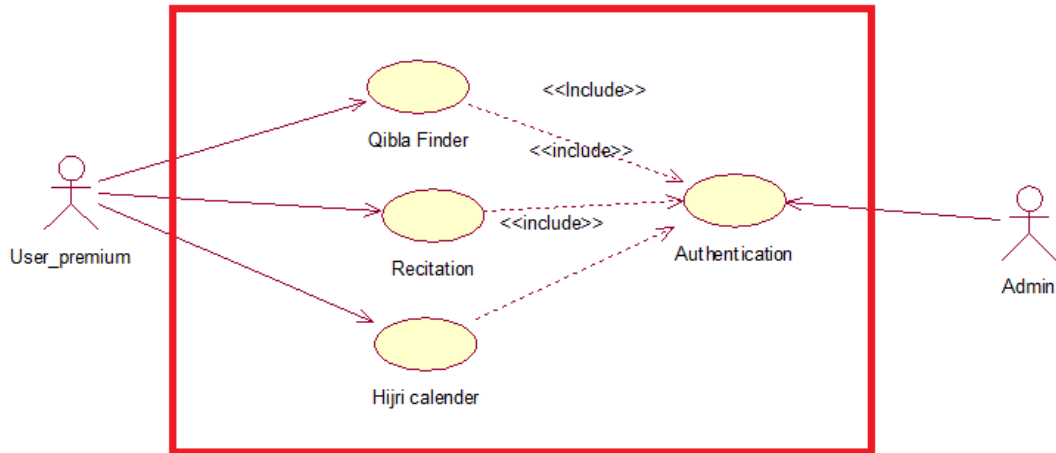
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3.1. Use Case Model

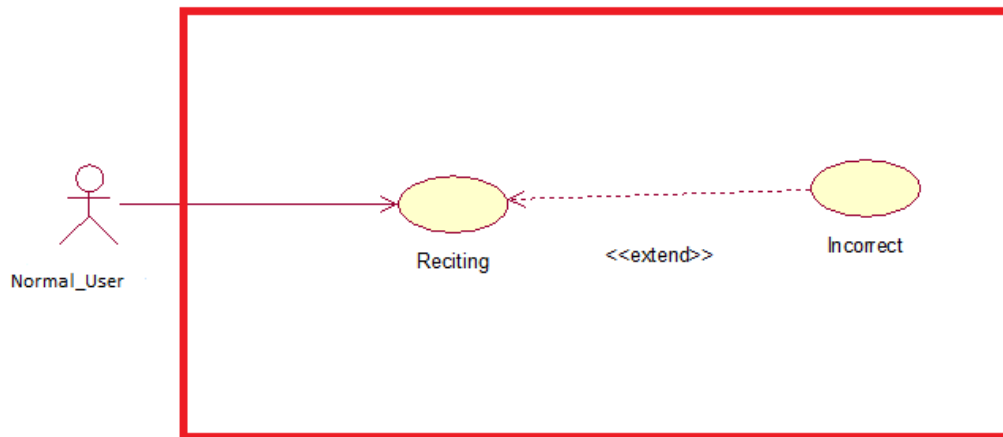
Application 2.0 Usecase



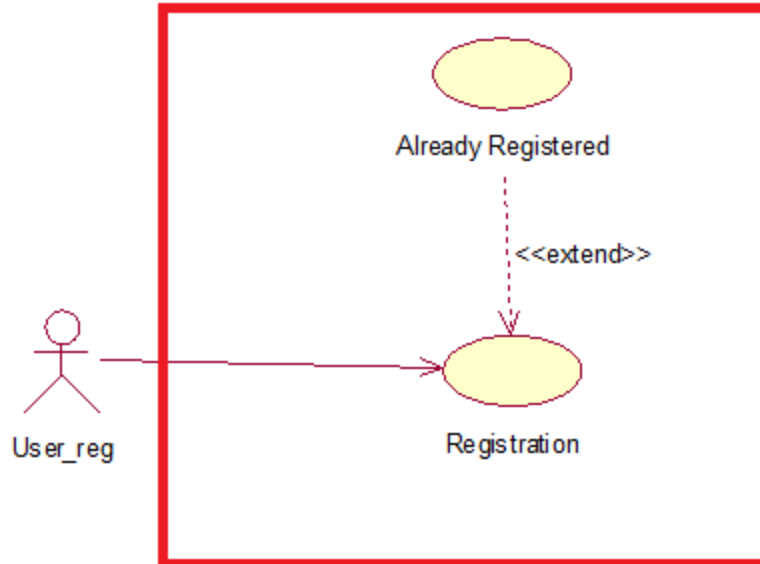
3.2 Premium user usecase:



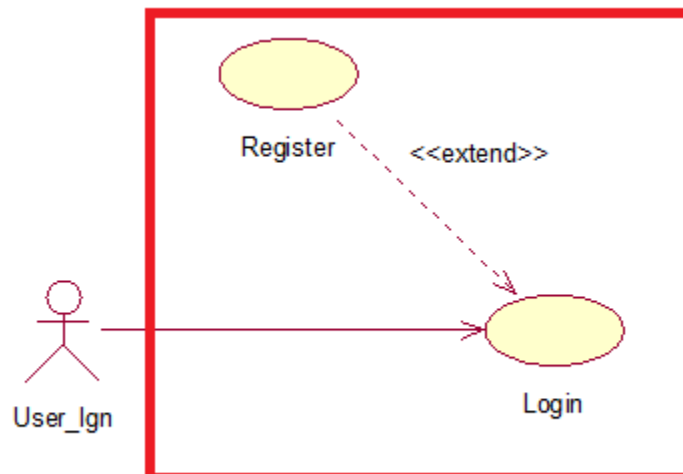
3.3 Normal user usecase:



3.4 User Register usecase:



3.5 Login user usecase:



3.2.1 Fully Dressed Use Cases

Login

Name	Login
Primary Actor:	User
Brief	This use case will grant the user to enter the app and avail the services
Description	that used by the permitted user only and login will be use to check and verify the user.
Pre-condition	Signup
Basic Flow	Basic Flow By login Use Case user will enter the permitted app and will the services. User will login to app by entering email/username and password and as the login details are verified the system will allow the user to access app
Alternate Flow	Show dialog box which shows “ Try again” or “show dialog box which shows First make your account on it”
Post Condition	The user will enter to the app and maintain the services

Registration:

Name:	Registration
Primary Actor:	User
Brief:	This use case will grant the user to register for the app and avail the services
Description:	that used by the permitted user only and signup will be use to register the user
Pre-condition:	Login
Basic Flow:	By signup use case user will register for the permitted app and will avail the services of that app. User will sign up to app by entering the signup details. The system will verify the details and will allow the user to get registered.
Alternate Flow:	Show dialog box “ email is already taken”
Post Condition:	The user will be registered to the app and avail the services.

Qibla Finder

Name	Qibla Finder
Primary Actor:	User, Admin
Description:	System will find qibla direction for the users
Pre-condition:	Login
Post-condition:	Successfully find Qibla

Basic Flow:	Logged into the system then go to find Qibla
--------------------	--

Hijri calendar

Name:	Hijri calendar
Primary Actor:	User, Admin
Description:	User can view Hijri calendar
Pre-condition:	Login
Post-condition:	Successfully find Islamic dates and Islamic months
Basic Flow:	Logged into the system then go to view dates and months

Recitation:

Name:	Recitation
Primary Actor:	User
Description:	This function of the application listen the recitation of the Quran and detect mistakes during recitation.
Pre-condition:	Login into the system
Basic Flow:	Firstly login the system. Select para session which you want to play
Post-condition:	Input/output devices are successfully work User can view the para recorded successfully

Requirement Gathering:

We used one to one meetings/interviews and brainstorming because using these techniques we can gather good information from the users/stakeholders who are not sure what they need or they lack in certain areas. Some people feels shy to speak in a group so one to one meeting/interviews are the best for them. The ideas collected from the users can be analyzed/reviewed and can be implemented if they are related to our system. People can come up with innovative ideas it is also an efficient way to get requirements out of stake holders.

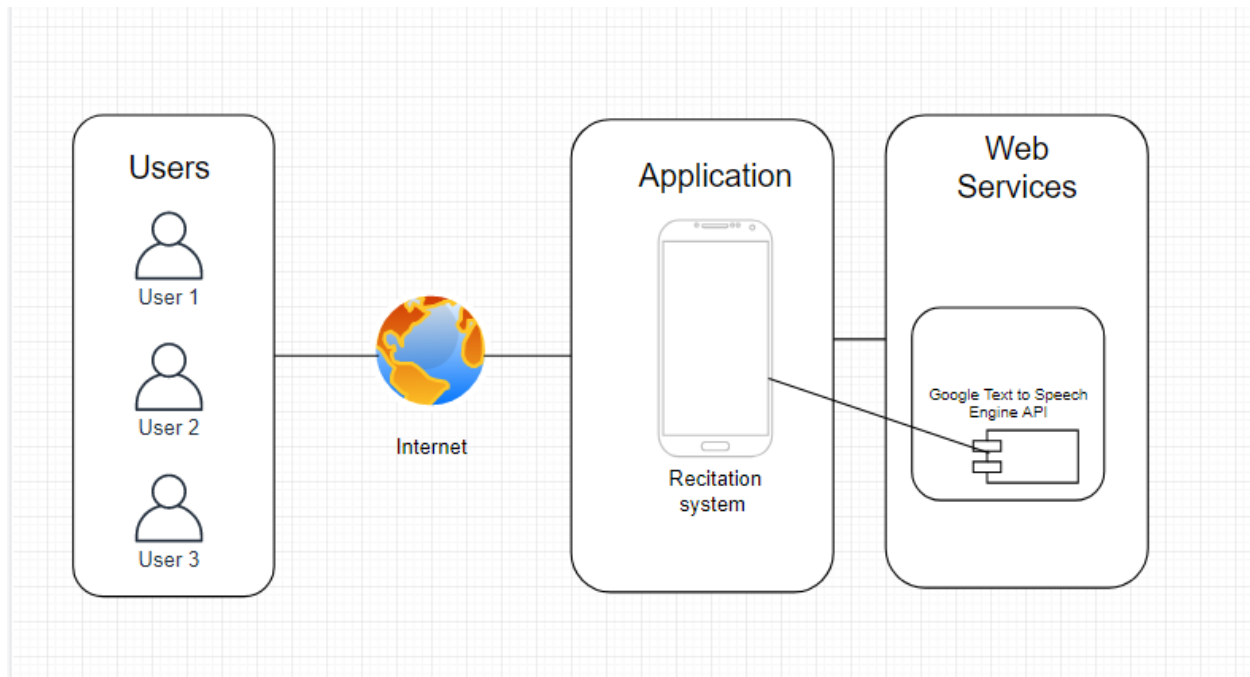
Chapter 4

System Design

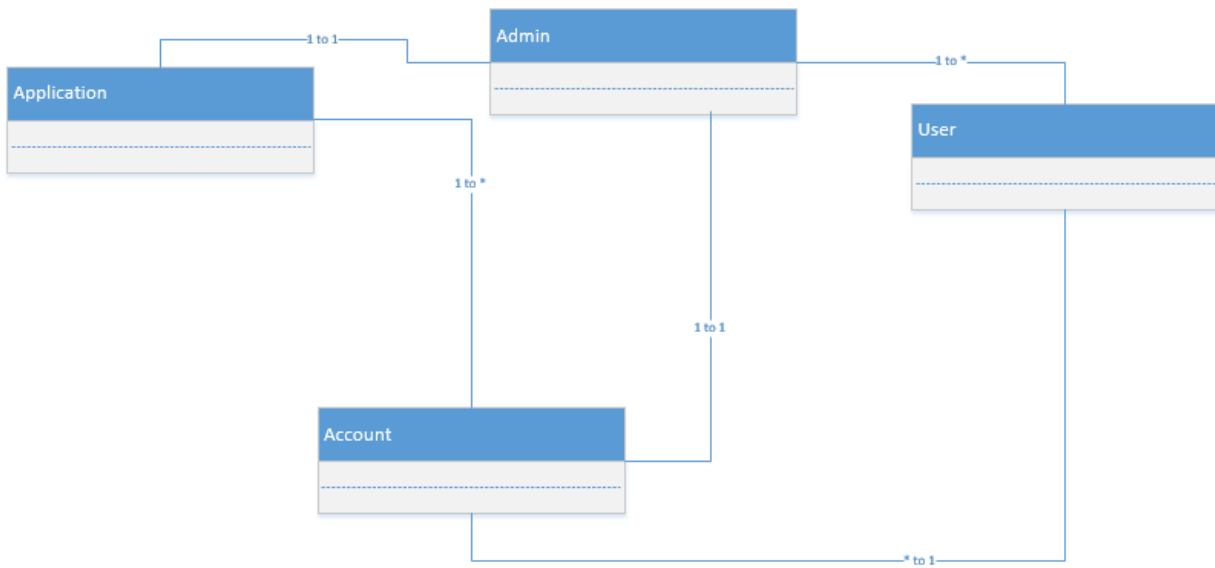
Chapter 4: System Design

Recitely is an android mobile device application. This application communicates with the server of Google to get permission to use text to speech API using HTTPS/SSL connection as a transport protocol. User can use this application if and only if he has an internet connection. This application is connected to the firebase for account information as well as it is also connected to the Google text to speech engine API to enhance the accuracy of itself.

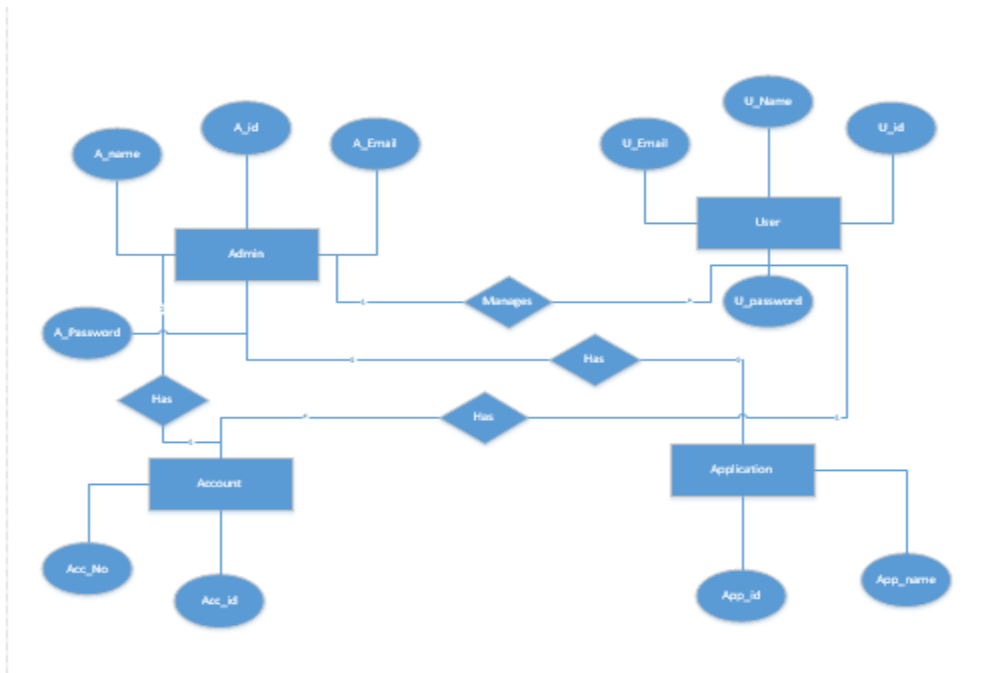
4.1. Architecture Diagram



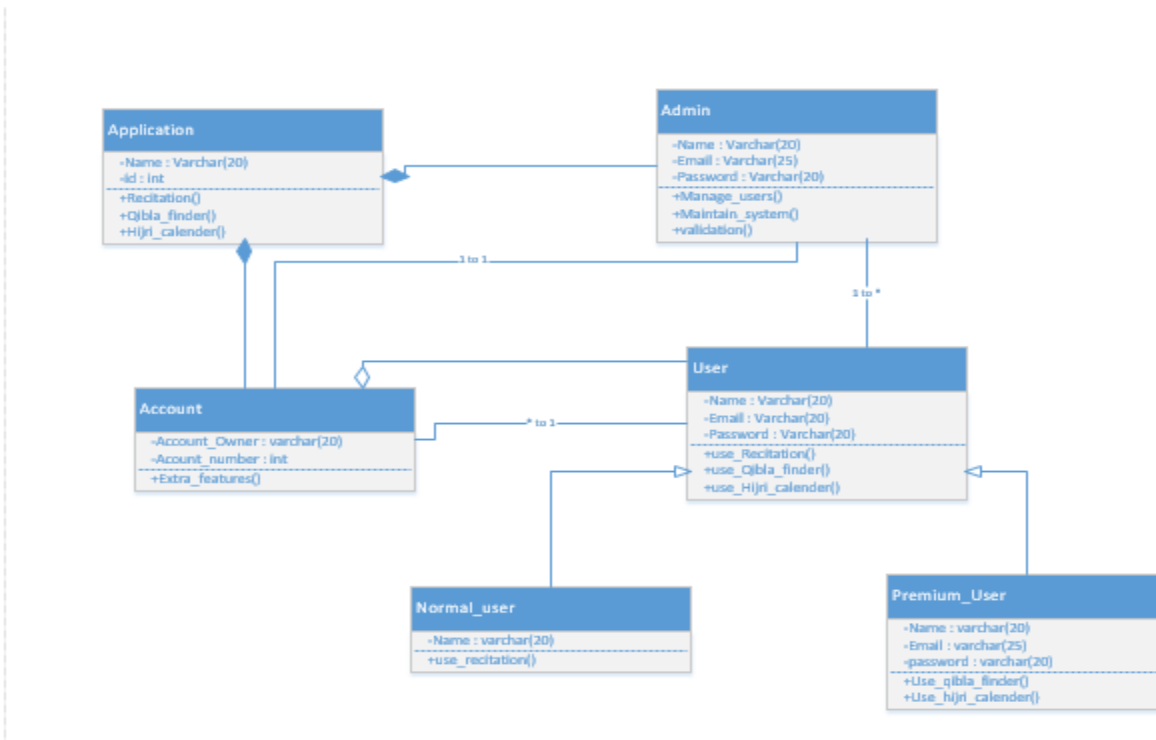
4.2. Domain Model



4.3. Entity Relationship Diagram with data dictionary

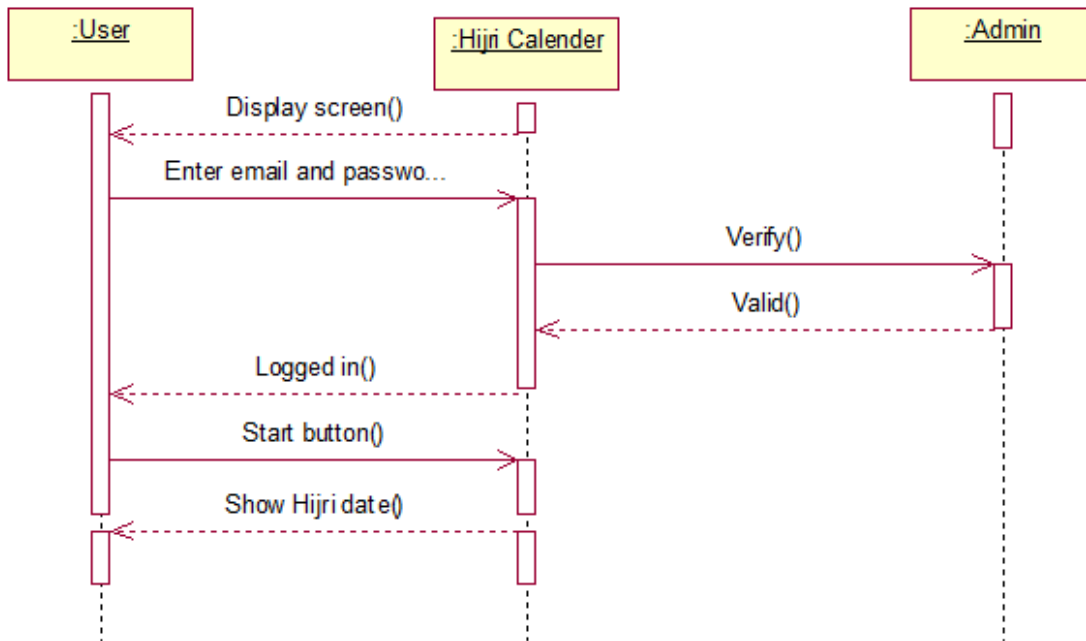


4.4. Class Diagram

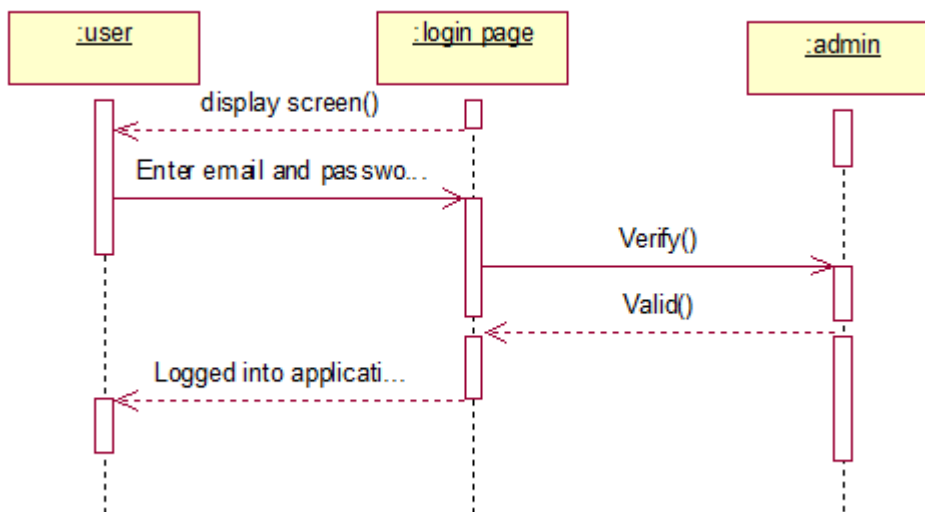


4.5. Sequence / Collaboration Diagram

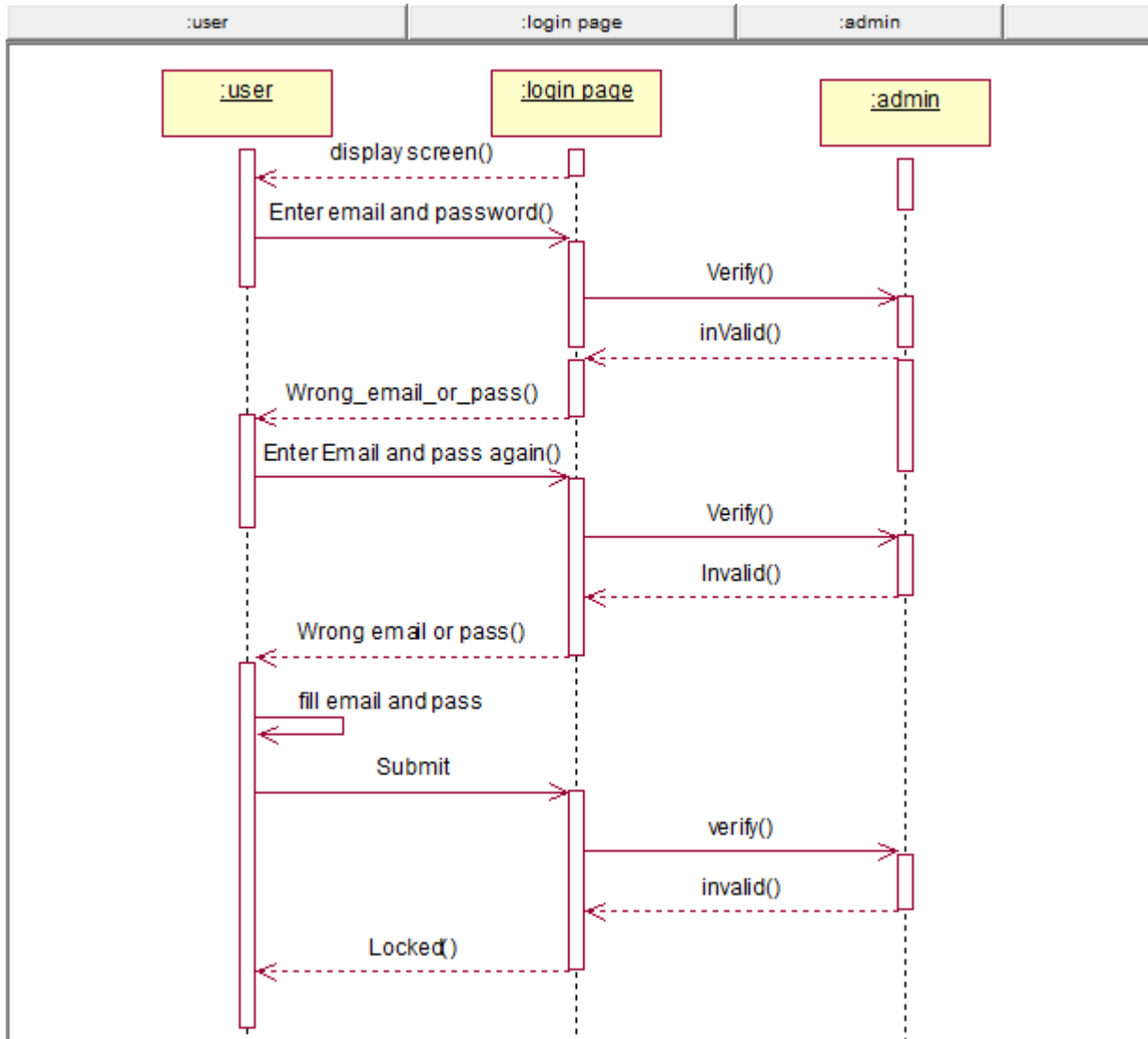
4.5.1 Hijri Calender:



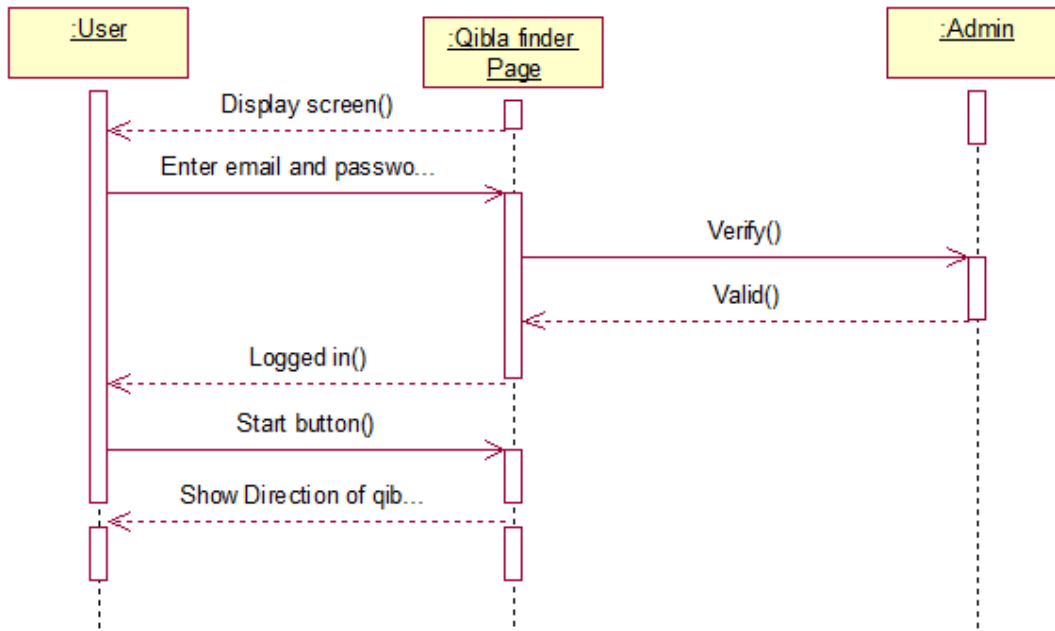
4.5.2 Login Page:



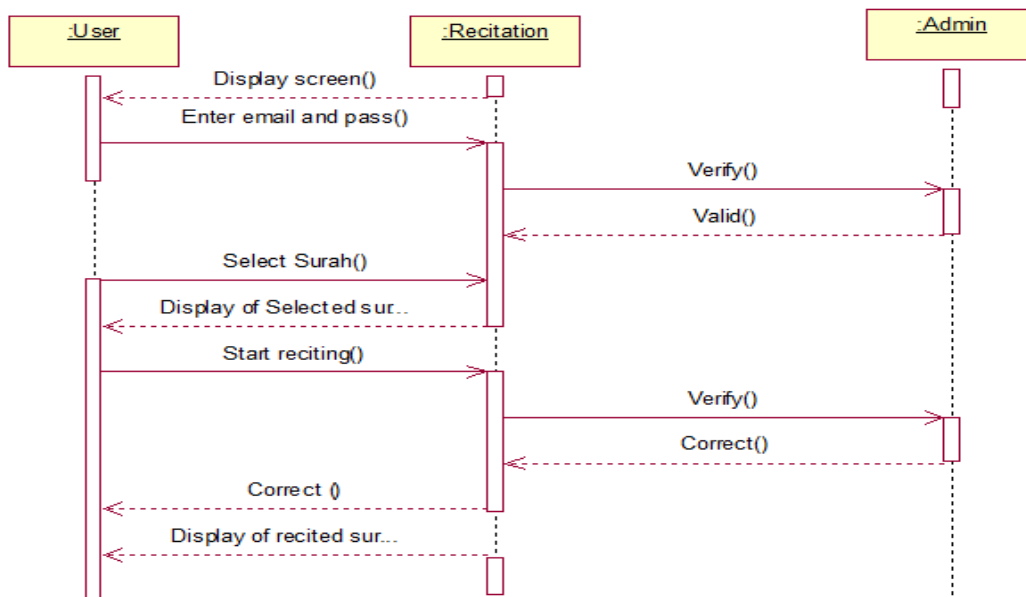
Alternate Login :



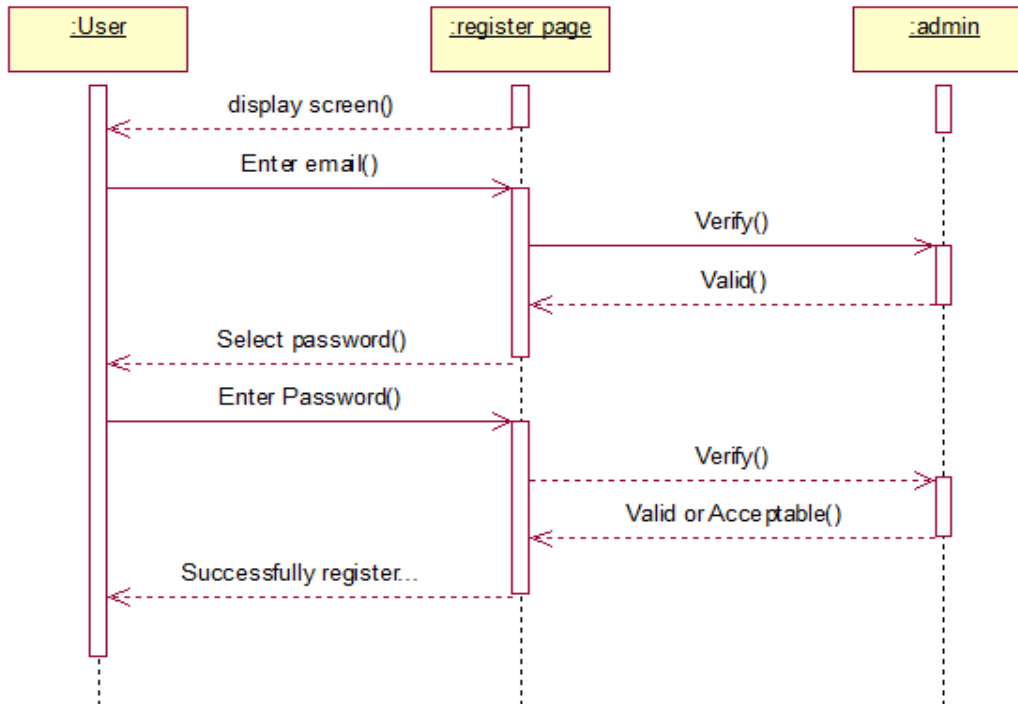
4.5.3 Qibla finder:



4.5.4 Recitation:



4.5.5 Register:

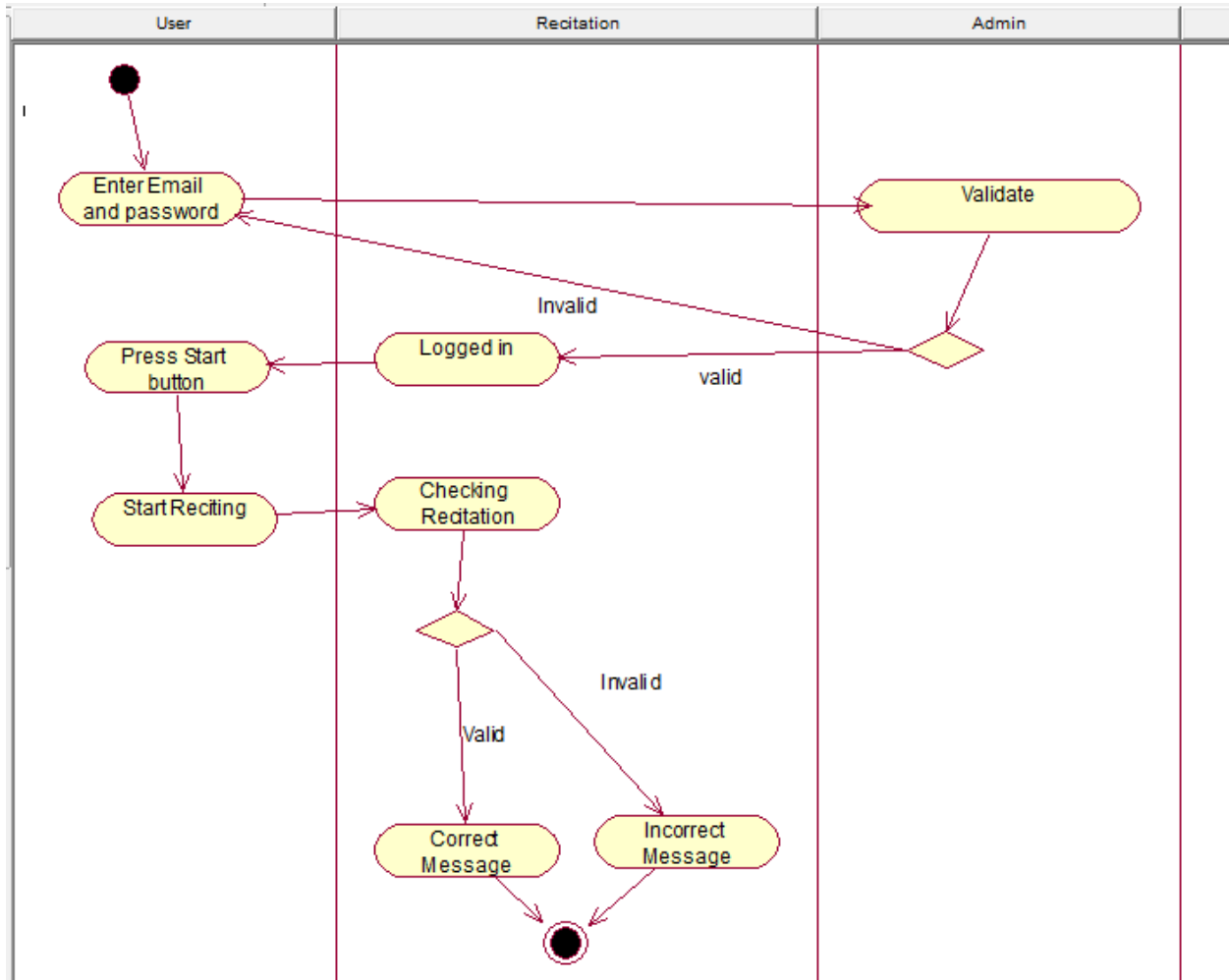


4.6. Operation contracts

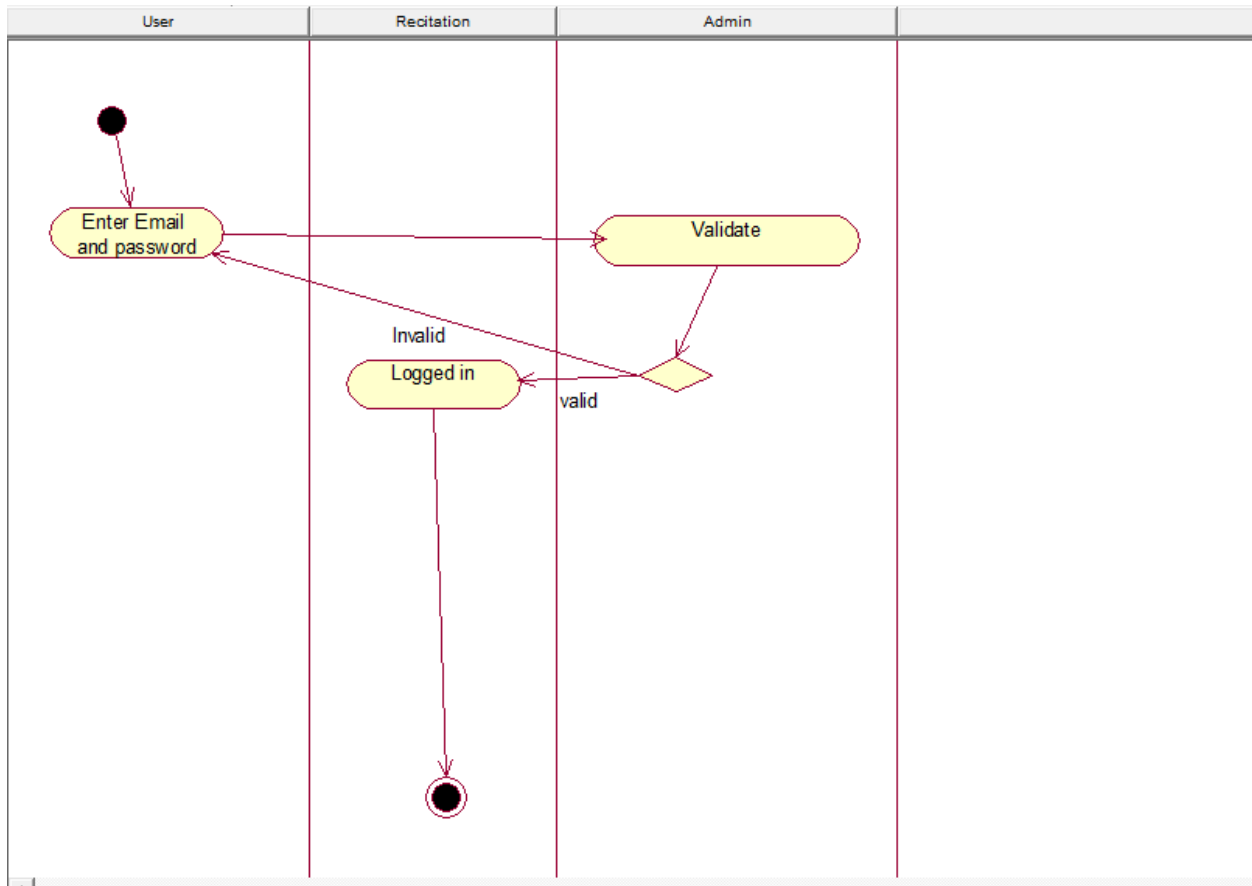
[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

4.7. Activity Diagram

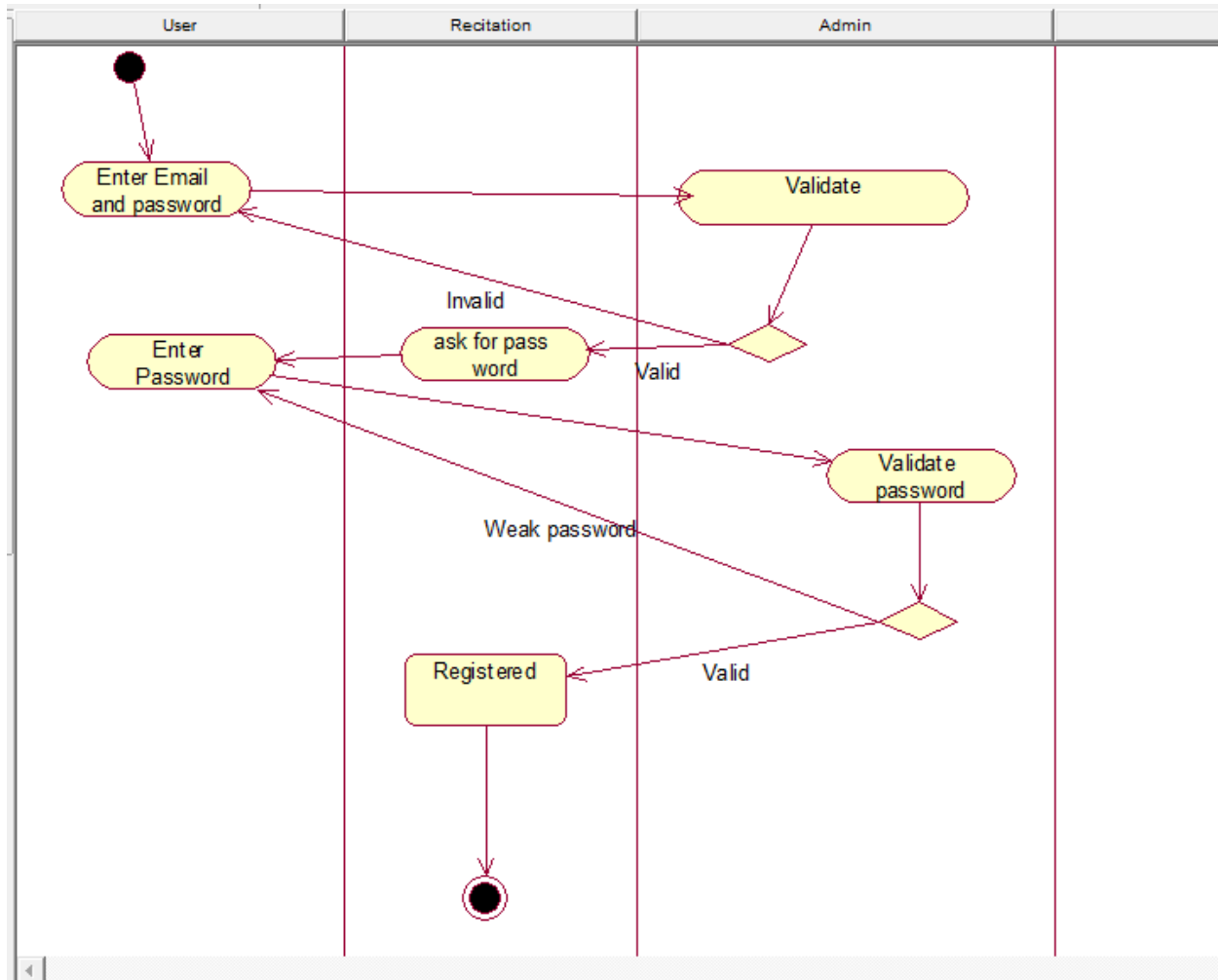
4.7.1 Recitation:



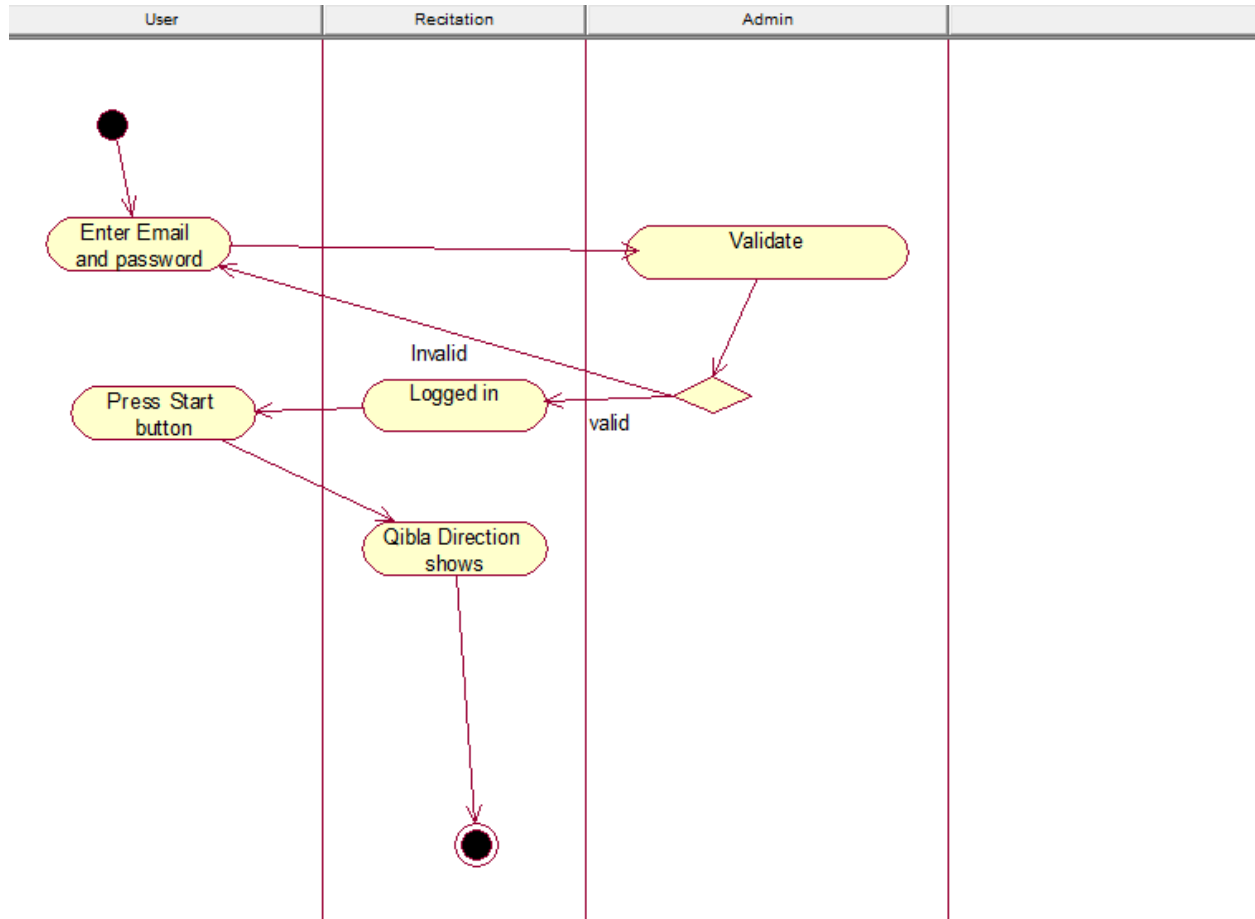
4.7.2 Login:



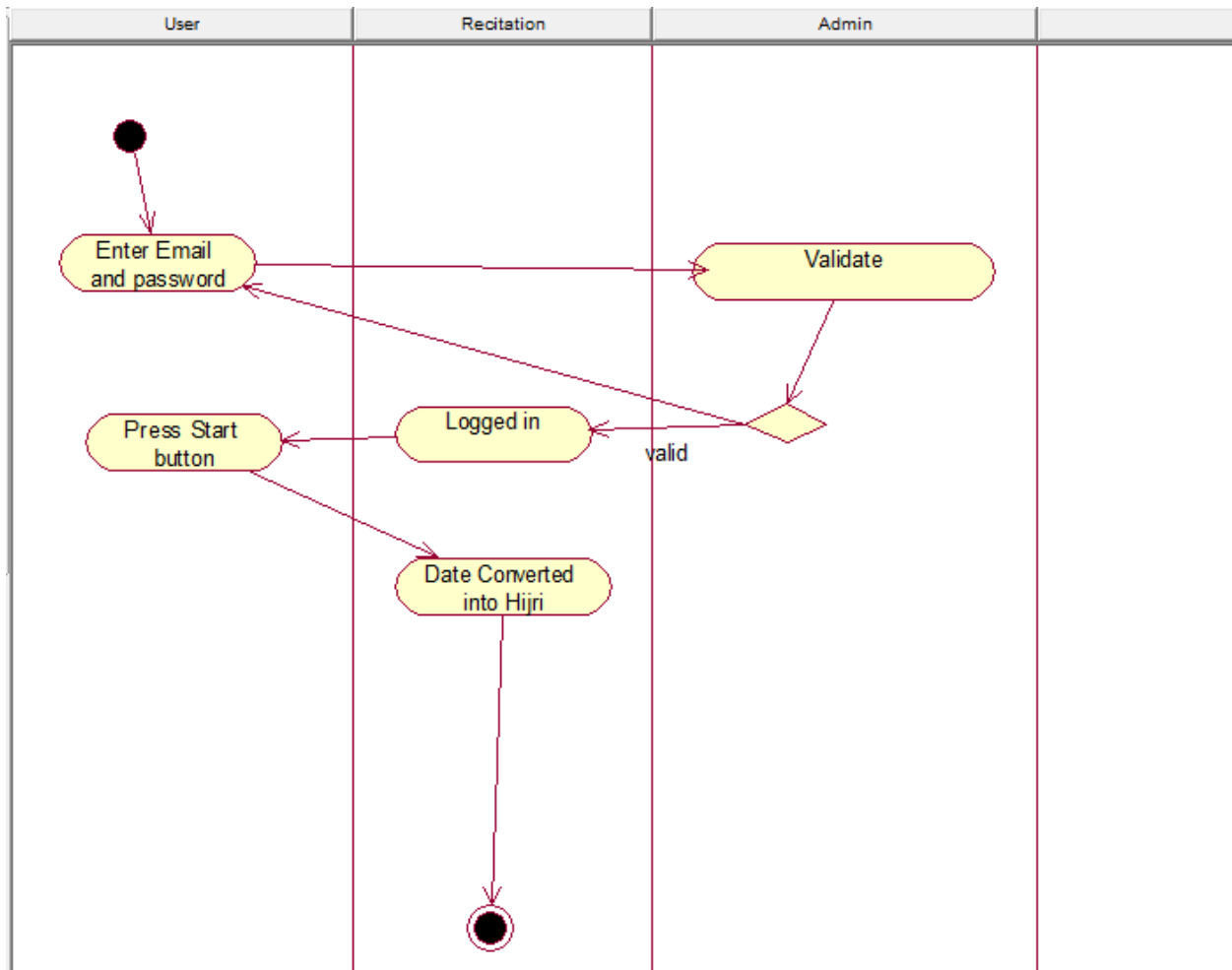
4.7.3 Register:



4.7.4 Qibla Finder:



4.7.5 Hijri Calender:



4.8. State Transition Diagram

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

4.9. Component Diagram

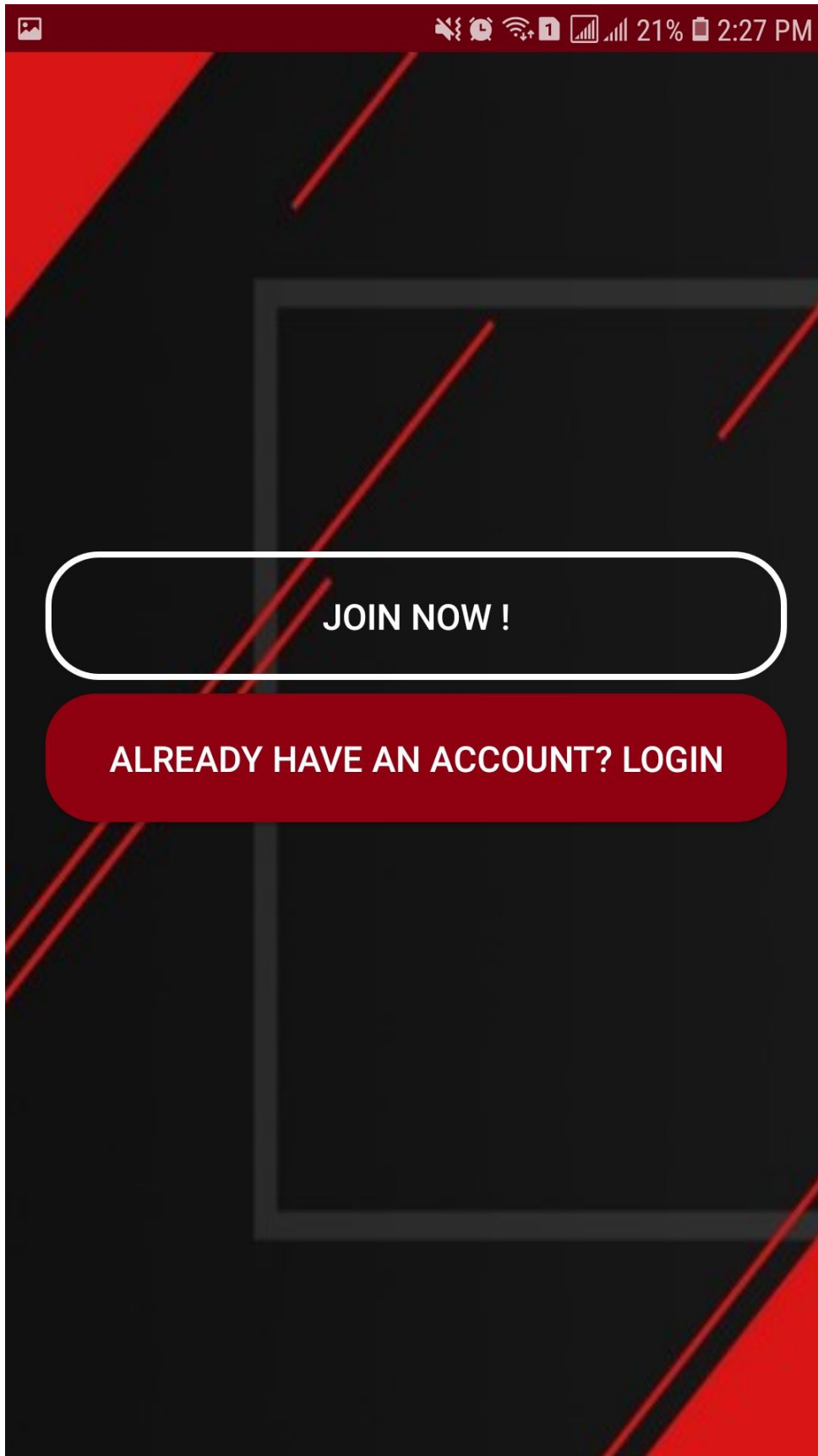
[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

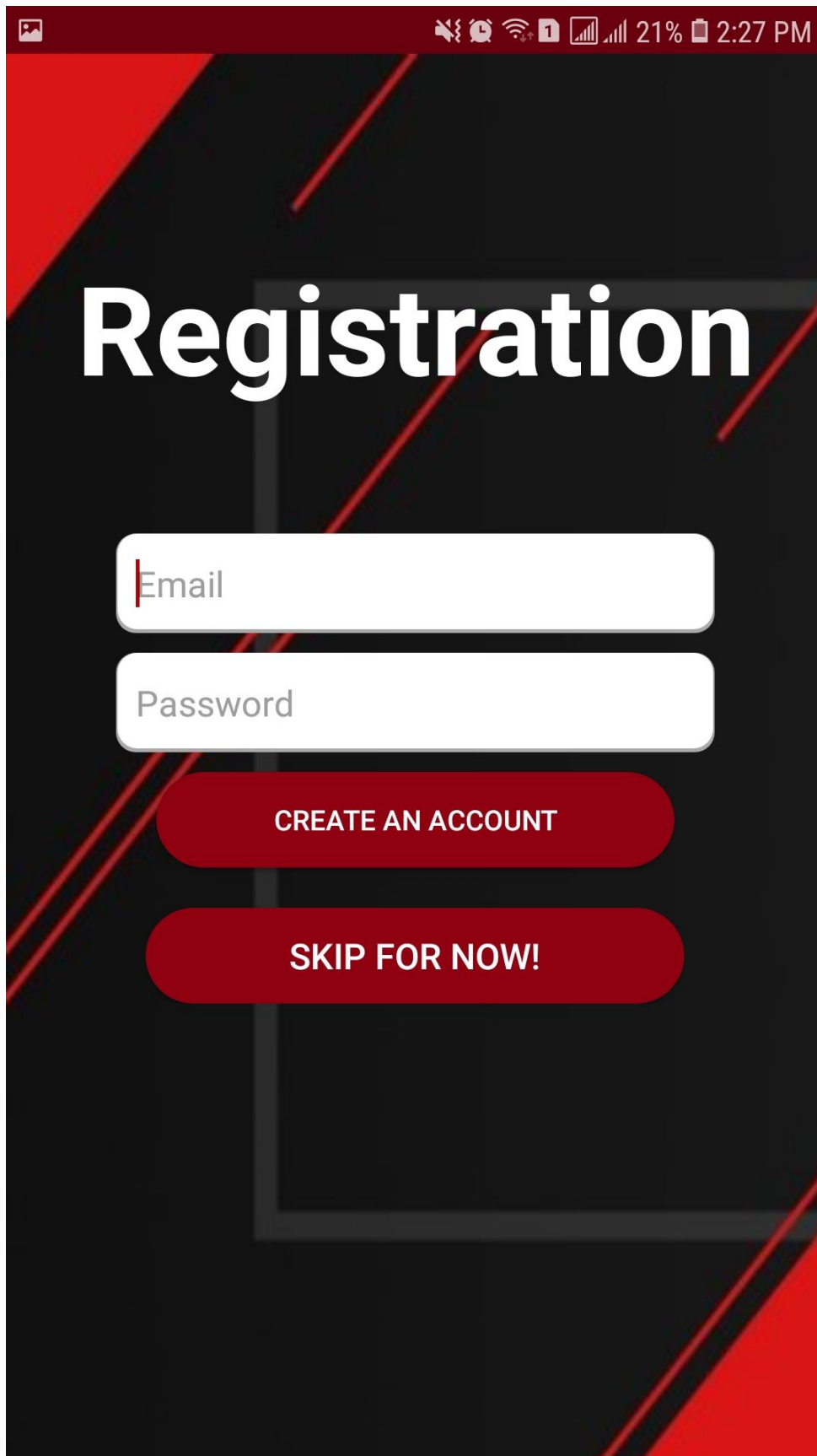
4.10. Deployment Diagram

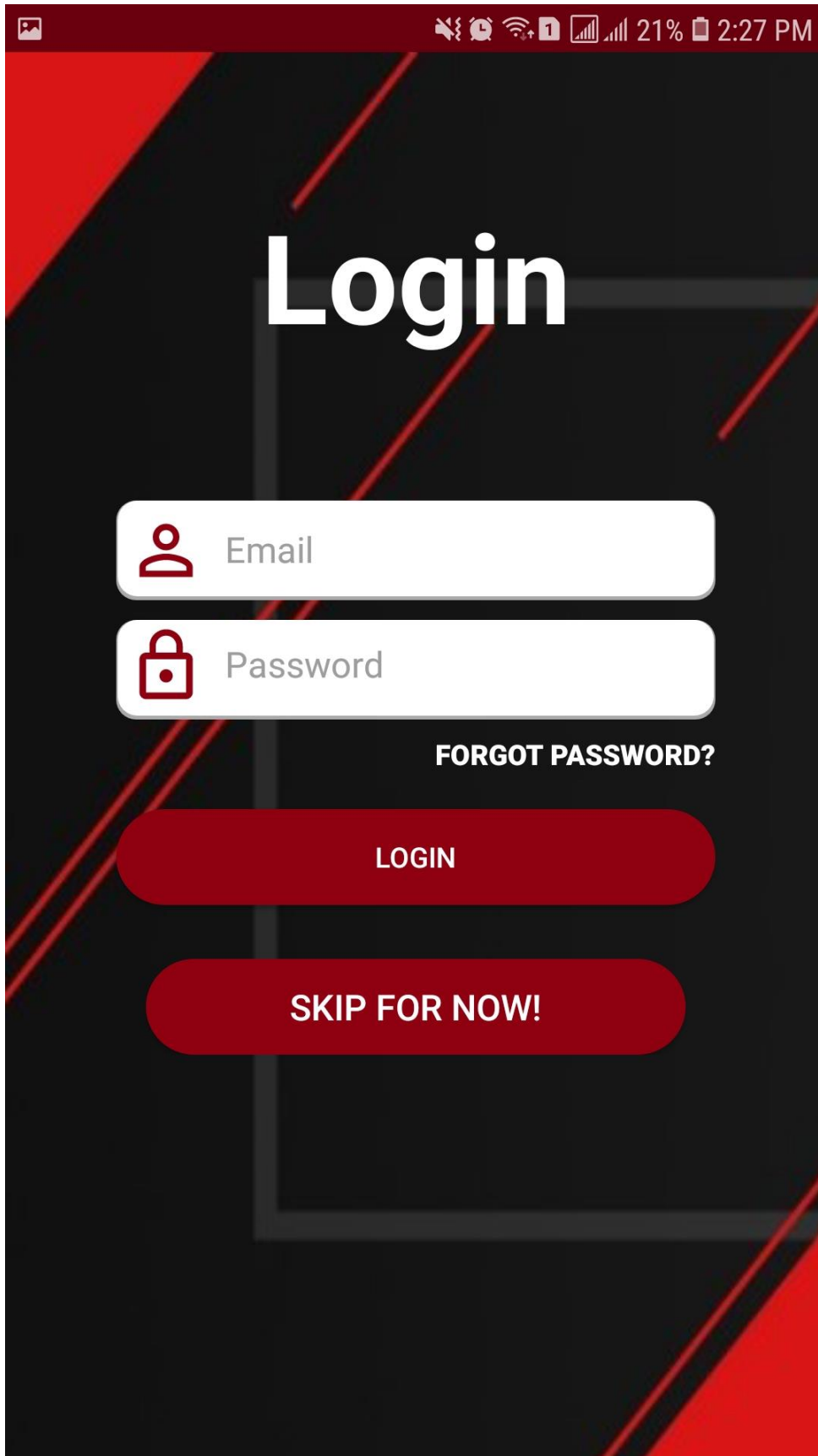
[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

User Interface:













Surah Kausar

Surah Ikhlas

Surah Falak

Surah Naas

Surah Lahab

Surah Nasr

Surah Kafiroon

Surah Maoon

Surah Quraish

Surah Feel



21% 2:27 PM

سُورَةُ الْهَبِّ يَكْتَبُنَّ فِيهَا خَمْسُ آيَاتٍ
 بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
 تَبَّتْ يَدَا أَبِي لَهَبٍ وَتَبَّ ۝ مَا أَغْنَىٰ عَنْهُ مَالُهُ
 وَمَا كَسَبَ ۝ سَيَصْلَىٰ نَارًا ذَاتَ لَهَبٍ ۝ وَامْرَأَتُهُ
 حَمَّالَةَ الْحَطَبِ ۝ فِي جِيدِهَا حَبْلٌ مِّن مَّسَدٍ ۝

START RECITING

سُورَةُ الْاٰلِیِّ الْاٰنْكَرِ مِنْ خَمْسِ اٰیَاتٍ


بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

تَبَّتْ یَدَا اَبِیْ لَهَبٍ وَتَبَّ ۗ مَا اٰغْنٰی عَنْهُ مَالُهُ

وَمَا كَسَبَ ۗ سَیَصْلٰی نَارًا اِذْ اَتَتْ لَهَبًا ۗ وَامْرَاَتُهُ

حَمَّالَةَ الْحَطَبِ ۗ فِی جَبَدِهَا حٰبِلٌ مِّنْ مَّسَدٍ ۗ

Google



Try saying something

العربية (الإمارات)

Your audio will be sent to Google to provide speech recognition service. A transcript will be shared with this app.

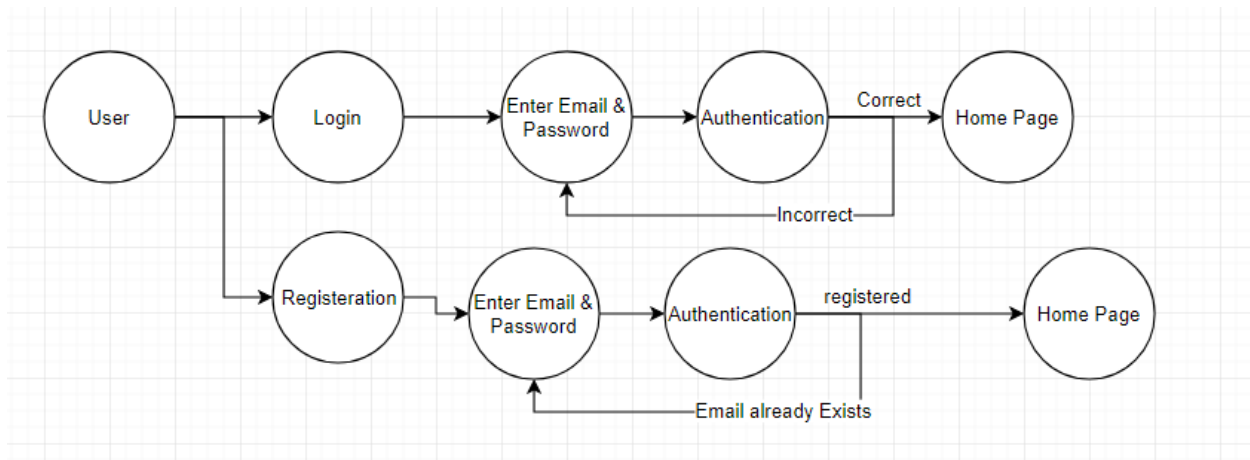
Saving audio to zeeshan6910@gmail.com...



Qibla Direction



4.11. Data Flow



4.4.2 Test Cases:

Test Scenario	Test Case	Test Steps	Test Data	Preconditions	Expected results	Actual Results	Pass/Fail
Check Login functionality	Check response on entering valid email and password	<ol style="list-style-type: none"> 1. Launch application 1.5 Click on Login button 2. Enter Email 3. Enter Password 4. Click on login button 	Email:zeesha n6910@gmail.com Password:zeeshan123	User Must be registered	Login must be successful	Login Successful	Pass

Test Scenario	Test Case	Test Steps	Test Data	Preconditions	Expected results	Actual Results	Pass/Fail
Registration functionality	Check response on entering unique and valid email and password	<ol style="list-style-type: none"> Launch application Click on registration button Enter Email Enter Password Click on Register button 	Email:zeeshan6910@gmail.com Password:zeeshan123	User email Must be unique	Registered must be successful	Register Successful	Pass

Chapter 5

Implementation

Chapter 5: Implementation

This chapter describes all the tool and techniques related to the project This chapter describes all the implementation strategy like as implementation standers and guidelines that can be helpful during development control flow of all business logics and data. Describes libraries, web services also components of all projects with development environments they can achieved by best development practices and version control strategy.

5.1. Important Flow Control/Pseudo codes

XML Code:

```
<ScrollView
    android:layout_height="match_parent"
    android:layout_width="match_parent"
    android:background="#FFF"
    xmlns:android="http://schemas.android.com/apk/res/android">
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"

    android:orientation="vertical"
    android:layout_gravity="center">
    <ImageView
        android:layout_width="220dp"
        android:layout_height="220dp"
        android:id="@+id/img"
        android:src="@drawable/refine"
        android:layout_gravity="center"/>
    <ProgressBar
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:id="@+id/load"
        android:layout_marginTop="30dp"/>

</LinearLayout>

</ScrollView>

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/background"
    android:layout_height="match_parent"
    >

    <Button
        android:layout_marginRight="20dp"
        android:layout_marginLeft="20dp"
```

```

        android:layout_marginBottom="20dp"
        android:padding="20dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/mainloginbtn"
        android:textColor="#fff"
        android:textSize="18sp"
        android:layout_centerInParent="true"
        android:background="@drawable/button"
        android:text="Already Have an Account? Login"/>
    <Button
        android:layout_marginBottom="7dp"
        android:layout_marginRight="20dp"
        android:layout_marginLeft="20dp"
        android:padding="20dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/mainjoinbtn"
        android:textColor="#fff"
        android:textSize="18sp"
        android:layout_above="@id/mainloginbtn"
        android:background="@drawable/btn1"
        android:text="Join Now !"/>

</RelativeLayout>

<?xml version="1.0" encoding="utf-8" ?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/background"
    android:layout_height="match_parent"
    >
    <TextView
        android:layout_above="@+id/oper"
        android:layout_centerHorizontal="true"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Registration"
        android:textColor="#fff"
        android:textSize="62dp"
        android:textStyle="bold"/>

    <RelativeLayout
        android:id="@+id/oper"
        android:layout_centerInParent="true"
        android:layout_width="340dp"
        android:layout_height="350dp"
        >

        <RelativeLayout
            android:layout_centerInParent="true"
            android:layout_width="match_parent"
            android:layout_height="wrap_content">

            <LinearLayout
                android:layout_centerInParent="true"
                android:layout_width="300dp"
                android:layout_height="wrap_content"

```

```

        android:orientation="vertical">

        <EditText
            android:padding="10dp"
            android:id="@+id/registeremail"
            android:background="@drawable/rounded"
            android:layout_marginTop="10dp"
            android:hint="Email"
            android:layout_width="match_parent"
            android:layout_height="50dp"
            android:inputType="textEmailAddress"/>

        <EditText

            android:background="@drawable/rounded"
            android:layout_marginTop="10dp"
            android:hint="Password"
            android:padding="10dp"
            android:id="@+id/registerpass"
            android:layout_width="match_parent"
            android:layout_height="50dp"
            android:inputType="textPassword"/>

        <ProgressBar
            android:id="@+id/progressBar"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:visibility="gone" />

        <Button
            android:layout_marginTop="10dp"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="20dp"
            android:layout_marginBottom="20dp"
            android:layout_width="match_parent"
            android:textColor="#fff"
            android:id="@+id/btnforregisterwork"
            android:layout_height="wrap_content"
            android:background="@drawable/loginbtn"
            android:text="Create an Account"
            />

        <Button
            android:layout_width="270dp"
            android:layout_height="wrap_content"
            android:text="Skip For Now!"
            android:background="@drawable/loginbtn"
            android:layout_below="@+id/btnforregisterwork"
            android:layout_gravity="center"
            android:textColor="#fff"
            android:textSize="18sp"
            android:id="@+id/skip1"
            />

    </LinearLayout>

</RelativeLayout>

</RelativeLayout>

```

```

</RelativeLayout>

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/background">
    <TextView
        android:layout_above="@+id/logopr"
        android:layout_centerHorizontal="true"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Login"
        android:textColor="#ffffff"
        android:textSize="62dp"
        android:textStyle="bold"/>

    <RelativeLayout
        android:id="@+id/logopr"
        android:layout_centerInParent="true"
        android:layout_width="340dp"
        android:layout_height="400dp"
        >
        <RelativeLayout
            android:layout_centerInParent="true"
            android:layout_width="match_parent"
            android:layout_height="wrap_content">
            <LinearLayout
                android:background="@drawable/rounded"
                android:layout_width="match_parent"
                android:orientation="horizontal"
                android:layout_height="50dp"
                android:id="@+id/upper"
                android:layout_marginLeft="20dp"
                android:layout_marginRight="20dp"
                android:layout_marginTop="20dp"
                android:layout_marginBottom="10dp">

                <ImageView
                    android:layout_width="40dp"
                    android:layout_height="40dp"
                    android:layout_marginTop="5dp"
                    android:layout_marginLeft="5dp"
                    android:layout_marginRight="5dp"

                    android:src="@drawable/img"/>

                <EditText
                    android:background="@null"
                    android:hint=" Email"
                    android:id="@+id/lgnnumber"
                    android:layout_marginTop="12dp"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:inputType="textEmailAddress"/>
            </LinearLayout>
        </RelativeLayout>
    </RelativeLayout>

```

```

</LinearLayout>

<LinearLayout
    android:layout_below="@id/upper"
    android:id="@+id/lower"
    android:background="@drawable/rounded"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:orientation="horizontal"
    android:layout_marginLeft="20dp"
    android:layout_marginRight="20dp"
    android:layout_marginTop="0dp">
    <ImageView
        android:layout_marginTop="3dp"
        android:layout_marginLeft="5dp"
        android:layout_marginRight="5dp"
        android:layout_width="40dp"
        android:layout_height="40dp"
        android:src="@drawable/pass"/>

    <EditText
        android:id="@+id/lgnpassword"
        android:background="@null"
        android:layout_marginTop="10dp"
        android:hint=" Password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="textPassword"/>

</LinearLayout>

<Button
    android:layout_below="@id/lower"
    android:id="@+id/forpass"
    android:layout_alignParentRight="true"
    android:layout_width="wrap_content"
    android:layout_height="35dp"
    android:layout_marginRight="20dp"
    android:text="Forgot Password?"
    android:background="@null"
    android:textColor="#fff"
    android:textStyle="bold"
/>

<Button
    android:layout_marginTop="10dp"
    android:layout_marginLeft="20dp"
    android:layout_marginRight="20dp"

    android:layout_width="match_parent"
    android:textColor="#fff"
    android:id="@+id/btnforloginwork"
    android:layout_height="wrap_content"
    android:layout_below="@id/forpass"
    android:background="@drawable/loginbtn"
    android:text="Login"
/>
<TextView
    android:textSize="20dp"

```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="I am a User"
        android:textColor="#FDA068"
        android:visibility="invisible"
        android:layout_marginLeft="20dp"
        android:layout_alignParentLeft="true"
        android:background="@null"
        android:id="@+id/notadmin"
        android:layout_below="@id/btnforloginwork"/>

<Button
    android:layout_width="270dp"
    android:layout_height="wrap_content"
    android:text="Skip For Now!"
    android:background="@drawable/loginbtn"
    android:layout_below="@+id/notadmin"
    android:layout_centerHorizontal="true"
    android:textColor="#fff"
    android:textSize="18sp"
    android:id="@+id/skip"
/>

</RelativeLayout>

</RelativeLayout>

</RelativeLayout>

<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:background="#fff"
    android:layout_height="match_parent"

    xmlns:app="http://schemas.android.com/apk/res-auto">
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
<ImageView
    android:layout_marginTop="15dp"
    android:layout_marginBottom="5dp"
    android:layout_width="190dp"
    android:layout_height="190dp"
    android:src="@drawable/refine"
    android:layout_gravity="center"/>

<GridLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:columnCount="2"

```

```

android:rowCount="2">
<android.support.v7.widget.CardView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_columnWeight="1"
    android:layout_rowWeight="1"
    app:cardElevation="6dp"
    android:id="@+id/cal"
    app:cardBackgroundColor="#8F0111"
    app:cardCornerRadius="12dp"
    android:layout_margin="12dp">
    <LinearLayout
        android:orientation="vertical"
        android:padding="16dp"
        android:layout_gravity="center"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
        <ImageView
            android:layout_gravity="center"
            android:src="@drawable/ic_cal_black_24dp"
            android:layout_width="80dp"
            android:layout_height="80dp" />
        <TextView
            android:gravity="center"
            android:layout_gravity="center"
            android:layout_marginTop="5dp"
            android:textColor="#fff"
            android:textSize="18sp"
            android:text="Calendar"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content" />
    </LinearLayout>
</android.support.v7.widget.CardView>

<android.support.v7.widget.CardView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_columnWeight="1"
    android:layout_rowWeight="1"
    app:cardElevation="6dp"
    android:id="@+id/rec"
    app:cardBackgroundColor="#8F0111"
    app:cardCornerRadius="12dp"
    android:layout_margin="12dp">
    <LinearLayout
        android:orientation="vertical"
        android:padding="16dp"
        android:layout_gravity="center"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
        <ImageView
            android:layout_gravity="center"
            android:src="@drawable/ic_mic_black_24dp"
            android:layout_width="80dp"
            android:layout_height="80dp" />
        <TextView
            android:gravity="center"
            android:layout_gravity="center"
            android:layout_marginTop="5dp"
            android:textColor="#fff"

```

```

        android:textSize="18sp"
        android:text="Recite"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />

    </LinearLayout>

</android.support.v7.widget.CardView>
<android.support.v7.widget.CardView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_columnWeight="1"
    android:layout_rowWeight="1"
    app:cardElevation="6dp"
    android:id="@+id/qib"
    app:cardBackgroundColor="#8F0111"
    app:cardCornerRadius="12dp"
    android:layout_margin="12dp">
    <LinearLayout
        android:orientation="vertical"
        android:padding="16dp"
        android:layout_gravity="center"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
        <ImageView
            android:layout_gravity="center"
            android:src="@drawable/ic_add_location_black_24dp"
            android:layout_width="80dp"
            android:layout_height="80dp" />
        <TextView
            android:gravity="center"
            android:layout_gravity="center"
            android:layout_marginTop="5dp"
            android:textColor="#fff"
            android:textSize="18sp"
            android:text="Qibla"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content" />

    </LinearLayout>

</android.support.v7.widget.CardView>

</GridLayout>

</LinearLayout>

</ScrollView>

<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"

```

```

        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="230dp"
            android:background="@drawable/back1"></RelativeLayout>
        <ListView
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:id="@+id/ls1">
        </ListView>
    </LinearLayout>

<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    android:background="#fff"
    android:layout_width="match_parent"
    android:orientation="vertical"
    android:layout_height="match_parent"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahkausar"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>
</LinearLayout>

<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    tools:context=".SurahIkhlas">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"

```

```

        android:src="@drawable/surah_ikhlas"
    />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

</LinearLayout>

<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahfatiha"
    />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

</LinearLayout>

<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"

```

```

xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:background="#fff"
android:orientation="vertical"
android:layout_height="match_parent"
>

<ImageView
    android:layout_width="match_parent"
    android:layout_height="200dp"
    android:src="@drawable/surah_nasr"
    />

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/btn"
    android:layout_gravity="center"
    android:text="Start Reciting"
    android:layout_marginTop="20dp"/>

<EditText
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:id="@+id/tid"
    android:gravity="center"
    android:layout_gravity="center"/>

</LinearLayout>

<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahadiyat"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"

```

```

        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>
</LinearLayout>
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/falaq"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

</LinearLayout>
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    android:background="#fff"
    android:layout_width="match_parent"
    android:orientation="vertical"
    android:layout_height="match_parent"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/suraffeel"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"

```

```

        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>
</LinearLayout>
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surah_lahab"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

</LinearLayout>
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/naas"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"

```

```

        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

<EditText
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:id="@+id/tid"
    android:gravity="center"
    android:layout_gravity="center"/>

</LinearLayout>
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surah_lahab"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

</LinearLayout>

<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

```

```

<ImageView
    android:layout_width="match_parent"
    android:layout_height="200dp"
    android:src="@drawable/surah_kafiroon"
    />

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/btn"
    android:layout_gravity="center"
    android:text="Start Reciting"
    android:layout_marginTop="20dp"/>

<EditText
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:id="@+id/tid"
    android:gravity="center"
    android:layout_gravity="center"/>

</LinearLayout>

<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahmaoon"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

</LinearLayout>
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"

```

```

xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:background="#fff"
android:orientation="vertical"
android:layout_height="match_parent"
>

<ImageView
    android:layout_width="match_parent"
    android:layout_height="200dp"
    android:src="@drawable/surah_quraish"
/>

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/btn"
    android:layout_gravity="center"
    android:text="Start Reciting"
    android:layout_marginTop="20dp"/>

<EditText
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:id="@+id/tid"
    android:gravity="center"
    android:layout_gravity="center"/>

</LinearLayout>
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    android:background="#fff"
    android:layout_width="match_parent"
    android:orientation="vertical"
    android:layout_height="match_parent"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahhumaza"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

</LinearLayout>

```

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    android:background="#fff"
    android:layout_width="match_parent"
    android:orientation="vertical"
    android:layout_height="match_parent"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahzilzal"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>
</LinearLayout>
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahqariah"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

```

```
</LinearLayout>
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#fff"
    android:orientation="vertical"
    android:layout_height="match_parent"
    >

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahqadr"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
        android:gravity="center"
        android:layout_gravity="center"/>

</LinearLayout>
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout
    android:background="#fff"
    android:layout_width="match_parent"
    android:orientation="vertical"
    android:layout_height="match_parent"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/surahinshirah"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn"
        android:layout_gravity="center"
        android:text="Start Reciting"
        android:layout_marginTop="20dp"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:id="@+id/tid"
```

```

        android:gravity="center"
        android:layout_gravity="center"/>
</LinearLayout>
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".qibla"
    android:background="#fff">
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Qibla Direction"
    android:textSize="42dp"
    android:textColor="#8F0111"
    android:textStyle="bold"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="120dp"/>

    <ImageView
        android:id="@+id/img"
        android:layout_centerInParent="true"
        android:layout_width="300dp"
        android:layout_height="300dp"
        android:src="@drawable/aaa2"/>

</RelativeLayout>

```

Java Code:

```

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.os.Handler;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ProgressBar;

public class Splash extends AppCompatActivity {
    private ProgressBar p;
    private Handler h = new Handler();
    private int prog = 0;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash);
        p = (ProgressBar) findViewById(R.id.load);

        Thread t = new Thread(new Runnable() {
            @Override
            public void run() {
                while (prog < 100) {

```

```

        prog++;
        android.os.SystemClock.sleep(30);
        h.post(new Runnable() {
            @Override
            public void run() {
                p.setProgress(prog);
            }
        });
    }
    Intent i = new Intent(Splash.this, LoginOrRegister.class);
    startActivity(i);
}
});
t.start();
}
}

```

```
package com.example.zeeshan.recitely;
```

```
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
```

```
public class LoginOrRegister extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login_or_register);
        Button btn=(Button) findViewById(R.id.mainjoinbtn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(LoginOrRegister.this,Register.class);
                startActivity(i);
            }
        });
        Button btn1=(Button) findViewById(R.id.mainloginbtn);
        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(LoginOrRegister.this,Login.class);
                startActivity(i);
            }
        });
    }
}

```

```
package com.example.zeeshan.recitely;
```

```
import android.app.ProgressDialog;
import android.content.Intent;
import android.support.annotation.NonNull;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.TextUtils;
import android.util.Log;
```

```

import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;

public class Register extends AppCompatActivity {
    private FirebaseAuth auth;
    String emailr,passr;
    EditText email,pass;
    ProgressDialog loadingbar;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);

        Button btn=(Button) findViewById(R.id.skip1);

        loadingbar=new ProgressDialog(this);
        email=(EditText) findViewById(R.id.registeremail);
        pass=(EditText) findViewById(R.id.registerpass);

        auth=FirebaseAuth.getInstance();

        Button btnr=(Button) findViewById(R.id.btnforregisterwork);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(Register.this,MainPage.class);
                startActivity(i);
            }
        });

        btnr.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if (TextUtils.isEmpty(email.getText().toString())) {
                    Toast.makeText(getApplicationContext(), "Please enter email...",
Toast.LENGTH_LONG).show();
                    return;
                }
                else if (TextUtils.isEmpty(pass.getText().toString())) {
                    Toast.makeText(getApplicationContext(), "Please enter password!",
Toast.LENGTH_LONG).show();
                    return;
                }
                else
                {
                    loadingbar.setTitle("Create Account");
                    loadingbar.setMessage("Please wait, while we are checking the
credentials.");

                    loadingbar.setCanceledOnTouchOutside(false);
                    loadingbar.show();

                    auth.createUserWithEmailAndPassword(email.getText().toString(),pass.getText().toString

```



```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_login);
    auth=FirebaseAuth.getInstance();
    num=(EditText) findViewById(R.id.lgnnumber);
    loadingbar=new ProgressDialog(this);
    pass=(EditText) findViewById(R.id.lgnpassword);
    lgnbtn=(Button) findViewById(R.id.btnforloginwork);

    lgnbtn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {

            String no=num.getText().toString();
            String pas=pass.getText().toString();

            if(TextUtils.isEmpty(no))
            {
                Toast.makeText(getApplicationContext(), "Please enter email...",
Toast.LENGTH_LONG).show();
            }
            else if(TextUtils.isEmpty(pas))
            {
                Toast.makeText(getApplicationContext(), "Please enter
Password...", Toast.LENGTH_LONG).show();
            }
            else {

                loadingbar.show();
                loadingbar.setTitle("Create Account");
                loadingbar.setMessage("Please wait, while we are checking the
credentials.");
                loadingbar.setCanceledOnTouchOutside(false);

                auth.signInWithEmailAndPassword(no, pas).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
                    @Override
                    public void onComplete(@NonNull Task<AuthResult> task) {

                        if (task.isSuccessful()) {
                            loadingbar.dismiss();
                            Toast.makeText(Login.this, "Successful!",
Toast.LENGTH_SHORT).show();

                            Intent i = new Intent(Login.this, MainPage.class);
                            startActivity(i);
                        } else {
                            loadingbar.dismiss();
                            Toast.makeText(Login.this, "Wrong Email Or Password!",
Toast.LENGTH_SHORT).show();
                        }
                    }
                });
            }
        }
    });
}
}

```

```
});
```

```
Button btn=(Button)findViewById(R.id.skip);
btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent i=new Intent(Login.this,MainPage.class);
        startActivity(i);
    }
});
```

```
});
```

```
}
}
```

```
package com.example.zeeshan.recitely;
```

```
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.CardView;
import android.view.View;
import android.widget.Toast;
```

```
public class MainPage extends AppCompatActivity implements View.OnClickListener{
    private CardView recite;
    private CardView calendar;
    private CardView qibla;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main_page);
        recite=(CardView)findViewById(R.id.rec);
        recite.setOnClickListener(this);
        calendar=(CardView)findViewById(R.id.cal);
        calendar.setOnClickListener(this);
        qibla=(CardView)findViewById(R.id.qib);
        qibla.setOnClickListener(this);
    }
}
```

```

    }

    @Override
    public void onClick(View v) {

        Intent i;
        switch (v.getId())
        {
            case R.id.rec:
            {
                i= new Intent(this,Recite.class);
                startActivity(i);
                break;
            }
            case R.id.cal:
            {
                i= new Intent(this,calendar.class);
                startActivity(i);
                break;
            }
            case R.id.qib:
            {

                i= new Intent(this,qibla.class);
                startActivity(i);
                break;
            }
        }
    }
}

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.net.Uri;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.VideoView;

import java.time.chrono.HijrahDate;
import java.util.ArrayList;

public class Recite extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_recite);

        listview();

    }
}

```

```

public void listview()
{
    ArrayList al=new ArrayList();
    al.add("Surah Kausar");
    al.add("Surah Ikhlas");
    al.add("Surah Falak");
    al.add("Surah Naas");

    al.add("Surah Lahab");
    al.add("Surah Nasr");
    al.add("Surah Kafiroon");
    al.add("Surah Maoon");
    al.add("Surah Quraish");
    al.add("Surah Feel");
    al.add("Surah Asr");
    al.add("Surah Humazah");
    al.add("Surah Qadr");
    al.add("Surah Adiyat");
    al.add("Surah Zilzal");
    al.add("Surah Inshirah");

    al.add("Surah Qariah");
    al.add("Surah Fatiha");

    ArrayAdapter aa=new ArrayAdapter(this,android.R.layout.simple_list_item_1,al);
    ListView lv=(ListView) findViewById(R.id.ls1);
    lv.setAdapter(aa);

    lv.setOnItemClickListener(new AdapterView.OnItemClickListener() {
        @Override
        public void onItemClick(AdapterView<?> parent, View view, int position,
long id) {
            switch (position)
            {
                case 0:
                    Intent i=new Intent(Recite.this,SurahKausar.class);
                    startActivity(i);
                    break;
                case 1:
                    Intent i1=new Intent(Recite.this,SurahIkhlas.class);
                    startActivity(i1);
                    break;
                case 2:
                    Intent i2=new Intent(Recite.this,SurahFalak.class);
                    startActivity(i2);
                    break;

                case 3:
                    Intent i3=new Intent(Recite.this,SurahNaas.class);
                    startActivity(i3);
                    break;
                case 4:
                    Intent i4=new Intent(Recite.this,SurahLahab.class);
                    startActivity(i4);
                    break;
                case 5:

```



```

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class Surah_Nasr extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_nasr);
        tv= findViewById(R.id.tid);
        Button btn=(Button)findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        switch (requestCode)
        {
            case 10:

                if(resultCode== RESULT_OK && data != null)
                {
                    ArrayList<String> result
                    =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                    if(result.get(0).matches("ا جاء نصر الله والفتح") ||
                    result.get(0).matches("ا اوفوا له لدا ن يد يف نولخ دي سان لا تيارو") ||
                    result.get(0).matches("للا مسب") || result.get(0).matches("للا مسب") ||
                    result.get(0).matches("اباوت ناك هنا") || result.get(0).matches("الرحمن الرحيم"))
                    {

                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                    }

                    else if (result.get(0).matches("رمن ء ا ا اذا ميحرلا نمحرلا هلا مسب")
                    ورايت الناس يدخلون في دين الله افواجا فسبح بحمد ربك واستغفر انه كان الله والفتح
                    ن يد يف نولخ دي سان لا تيارو حتفلاو هلا رمن ء ا ا اذا") || result.get(0).matches("توبا")
                    (الله) افواجا فسبح بحمد ربك واستغفر انه كان توبا")
                    {
                        tv.setText(result.get(0));
                    }
                }
            }
        }
    }
}

```

```

        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("يمساب") ||
result.get(0).matches("هللا") || result.get(0).matches("من حرلا هللا مسب") ||
result.get(0).matches("هللا مسب") || result.get(0).matches("نم حرلا") ||
result.get(0).matches("م يحرلا") || result.get(0).matches("نم حرلا م يحرلا") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }

    else if (result.get(0).matches("ء ا ج اذا") ||
result.get(0).matches("هللا رمين ء ا ج اذا") || result.get(0).matches("رمين ء ا ج اذا") ||
result.get(0).matches("ت الناس يارو") || result.get(0).matches("ن نولخدي سانلا تيارو") ||
result.get(0).matches("سانلا تيارو") || result.get(0).matches("يف نولخدي سانلا تيارو") ||
"هللا نيديف نولخدي سانلا تيارو") || result.get(0).matches("كبر دمحب حبسيف") ||
result.get(0).matches("ن انك ه نا"))
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }

    else if (result.get(0).matches("ا اذا") ||
result.get(0).matches("ء ا ج") || result.get(0).matches("رمين") ||
result.get(0).matches("هللا") || result.get(0).matches("حتفل او") ||
result.get(0).matches("س انلا") || result.get(0).matches("ت يارو") ||
result.get(0).matches("نولخدي") || result.get(0).matches("يف") ||
result.get(0).matches("نيدي") || result.get(0).matches("ا ج ا و ف ا") ||
result.get(0).matches("كبر دمحب") || result.get(0).matches("رفغ تساو") ||
result.get(0).matches("كبر") || result.get(0).matches("ن انك") ||
result.get(0).matches("ا ب ا و ت"))
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }

    else if (result.get(0).matches("ا اذا رمين هللا حتفل او هللا رمين ء ا ج اذا") ||
"هللا رمين ء ا ج اذا") || result.get(0).matches("الناس يدخلون في دين الله افواجا") ||
"بك واستغفر" || "رايت الناس يدخلون في دين الله افواجا فسيح بحمد ر") ||
result.get(0).matches("ا ب ا و ت ن انك ه نا رفغ تساو كبر دمحب حبسيف") ||
"ا ج ا و ف ا هللا نيديف نولخدي سانلا تيارو") || result.get(0).matches("ا ب ا و ت ن انك ه نا") ||
"رفغ تساو كبر دمحب حبسيف ا ج ا و ف ا هللا نيديف نولخدي سانلا تيارو") || result.get(0).matches("ا ب ا و ت ن انك ه نا رفغ تساو كبر دمحب حبسيف") ||
"ستغفر بحمد ربك وا")
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }

    else
    {
        ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
tv.setText(result.get(0));
        Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
    }
}
break;

```

```

    }

}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }
}
}

```

```

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahAdiyat extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_adiyat);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
            }
        });
    }
}

```

```

        inputArabic();
    }
});

}

@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    switch (requestCode)
    {
        case 10:

            if(resultCode== RESULT_OK && data != null)
            {
                ArrayList<String> result
                =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                if(result.get(0).matches("احبض تاي داعل او") ||
                result.get(0).matches("احبس تاري غم لاف") ||
                result.get(0).matches("اعقن هب نرثاف") || result.get(0).matches("اعمج هب نطسوف") ||
                result.get(0).matches("دونكل هبرل ناسنالا نا") || result.get(0).matches("لكذ يلع ه ناو")
                "لشهيدي" || result.get(0).matches("دي دشل ريخلا بجل ه ناو") ||
                result.get(0).matches("مافي القبور" رشعب اذا ملعي الفاف") || result.get(0).matches("لصحو"
                "ذئموي مه هب مه بر نا") || result.get(0).matches("مافي الصدور ان ربهم بهم يومئذ لخبير"
                "لصحو" || result.get(0).matches("رودصلا يفام لصحو") )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
                }
                else if (result.get(0).matches("تاي داعل او ميحرلا هللا مسب")
                الان سان لربه لکنود ضبحا فالموريات قدحا فالمغيرات صبحا فائرن به نقعا فوسطن به جمعا ان
                وانه على ذلك لشهيد وانه لحب الخير لشديد افلا يعلم اذا بعثر مافي القبور وحصل مافي
                تايروم لاف احبض تاي داعل او" || result.get(0).matches("الصدور ان ربهم بهم يومئذ لخبير"
                نه على ذلك قدحا فالمغيرات صبحا فائرن به نقعا فوسطن به جمعا ان الان سان لربه لکنود وا
                لشهيد وانه لحب الخير لشديد افلا يعلم اذا بعثر مافي القبور وحصل مافي الصدور ان ربهم بهم
                (يومئذ لخبير" )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
                }
                else if(result.get(0).matches("يمساپ") ||
                result.get(0).matches("هللا") || result.get(0).matches("نمحرلا هللا مسب") ||
                result.get(0).matches("هللا مسب") || result.get(0).matches("نمحرلا") ||
                result.get(0).matches("ميحرلا") || result.get(0).matches("نمحرلا") )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
                }
                else if (result.get(0).matches("هب نرثاف") ||
                result.get(0).matches("ناسنالا نا") || result.get(0).matches("هب نطسوف") ||
                result.get(0).matches("يلع ه ناو") || result.get(0).matches("هبرل ناسنالا نا") ||
                result.get(0).matches("لكذ يلع ه ناو") || result.get(0).matches("بجل ه ناو") ||
                result.get(0).matches("ريخلا بجل ه ناو") || result.get(0).matches("ملعي الفاف") ||
                result.get(0).matches("رشعب اذا ملعي الفاف") || result.get(0).matches("مافي"
                "لصحو" || result.get(0).matches("بعثر" اذا ملعي الفاف") || result.get(0).matches("مافي"
                "لصحو" || result.get(0).matches("ام لصحو") || result.get(0).matches("مه بر نا") ||

```

```

result.get(0).matches("م ه ب ر ن ا") || result.get(0).matches("ذ ئ م و ي م ه ب ر ن ا") ||
result.get(0).matches("لخبير" ذ ئ م و ي م ه ب ر ن ا )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else if (result.get(0).matches("تاي دا عل او") ||
result.get(0).matches("اجبض") || result.get(0).matches("تاي روم لاف") ||
result.get(0).matches("احدق") || result.get(0).matches("تاري غم لاف") ||
result.get(0).matches("اجبص") || result.get(0).matches("نرثاف") ||
result.get(0).matches("ه ب") || result.get(0).matches("اعقن") ||
result.get(0).matches("نطسوف") || result.get(0).matches("اعمج") ||
result.get(0).matches("ن ا") || result.get(0).matches("ناسن ال ا") ||
result.get(0).matches("ه برل") || result.get(0).matches("دون كل") ||
result.get(0).matches("ه ن ا و") || result.get(0).matches("ىلع") ||
result.get(0).matches("كلذ") || result.get(0).matches("دي ه شل") ||
result.get(0).matches("بجل") || result.get(0).matches("ريخل ا") ||
result.get(0).matches("دي د شل") || result.get(0).matches("الف ا") ||
result.get(0).matches("م ل ع ي") || result.get(0).matches("ا ذا") ||
result.get(0).matches("رثع ب") || result.get(0).matches("ام") ||
result.get(0).matches("يف") || result.get(0).matches("روبقل ا") ||
result.get(0).matches("لصحو") || result.get(0).matches("رودصل ا") ||
result.get(0).matches("م ه ب ر") || result.get(0).matches("م ه ب") ||
result.get(0).matches("ذ ئ م و ي") || result.get(0).matches("ري بخل"))
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else if (result.get(0).matches("احدق تاي روم لاف اجبض تاي دا عل او") ||
result.get(0).matches("اجبص تاري غم لاف احدق تاي روم لاف اجبض تاي دا عل او") ||
result.get(0).matches("يات قدحا فالمغيرات صبحا فائرن به نقعا" روم لاف اجبض تاي دا عل او") ||
|| result.get(0).matches("تاري غم لاف احدق تاي روم لاف اجبض تاي دا عل او") ||
|| result.get(0).matches("تاري غم لاف احدق تاي روم لاف اجبض تاي دا عل او") ||
|| result.get(0).matches("ه لکنود" صبحا فائرن به نقعا فوسطن به جمعا ان الان سان لرب
اجقن ه ب نرثاف اجبص تاري غم لاف احدق تاي روم لاف اجبض تاي دا عل او") ||
|| result.get(0).matches("فوسطن به جمعا ان الان سان لربه لکنود وانه على ذلك لشهيد"
اجقن ه ب نرثاف اجبص تاري غم لاف احدق تاي روم لاف اجبض تاي دا عل او") ||
|| result.get(0).matches("فوسطن به جمعا ان الان سان لربه لکنود وانه على ذلك لشهيد"
اجقن ه ب نرثاف اجبص تاري غم لاف احدق تاي روم لاف اجبض تاي دا عل او") ||
|| result.get(0).matches("فوسطن به جمعا ان الان سان لربه لکنود وانه على ذلك لشهيد"
اجدق تاي روم لاف اجبض تاي دا عل او") || result.get(0).matches("اذا بعثر مافي القبور"
فالمغيرات صبحا فائرن به نقعا فوسطن به جمعا ان الان سان لربه لکنود وانه على ذلك لشهيد
(وانه لحب الخير لشهيد اف لا يعلم اذا بعثر مافي القبور وحصل مافي الصدور"))
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else
{
    ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
tv.setText(result.get(0));
    Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
}
}
break;
}
}

```

```

    }

    public void inputArabic()
    {
        Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
        i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
        i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

        if(i.resolveActivity(getPackageManager())!= null)
        {
            startActivityForResult(i, 10);
        }
        else
        {
            Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
        }

    }
}
package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahFalak extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_falak);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent
data) {
        super.onActivityResult(requestCode, resultCode, data);

```



```

    }
}
package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahFatiha extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_fatiha);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);

        switch (requestCode)
        {
            case 10:

                if(resultCode== RESULT_OK && data != null)
                {
                    ArrayList<String> result
=data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                    if(result.get(0).matches("نيم لعل ا بر هل دمحل ا") ||
result.get(0).matches("م يحرل ا نمحرل ا") || result.get(0).matches("نيدل ا موي كل ام") ||
result.get(0).matches("دبعن كاي ا") || result.get(0).matches("م يقتسم ل ا طارصل ا انه ا") ||
"واياك نستعين") || result.get(0).matches("م هيلع تمعنا نيدل ا طارصل") || result.get(0).matches("بوضغمل ا ريغ")
"عليهم ولا الضالين")
                    {

                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
                    }
                }
            }
        }
    }
}

```



```

||result.get(0).matches("اندها نيعتسن كاي او دبعن كاي نيدلا موي كللام ميجرلا نمجرلا") ||result.get(0).matches("الصراف المستقيم") ||result.get(0).matches("الدين اياك نعبد موي كللام ميجرلا نمجرلا") ||result.get(0).matches("واياك نستعين") ||result.get(0).matches("ميتسمل طارملا اندها نيعتسن كاي او دبعن كاي نيدلا موي كللام") ||result.get(0).matches("الضالين") ||result.get(0).matches("الذين انعمت عليهم غير المغضوب عليهم ولا الضالين") ||result.get(0).matches("مالك يوم الدين اياك نعبد وياك نستعين اهدنا الصراف المستقيم") ||result.get(0).matches("كاي او دبعن كاي نيدلا موي كللام") ||result.get(0).matches("دبعن كاي نيدلا موي كللام") ||result.get(0).matches("ميتسمل طارملا اندها نيعتسن كاي او دبعن كاي") ||result.get(0).matches("الذين انعمت عليهم ولا الضالين") ||result.get(0).matches("نعبد وياك نستعين اهدنا الصراف المستقيم صراف الذين انعمت عليهم") ||result.get(0).matches("اهدنا الصراف المستقيم") ||result.get(0).matches("بوضغمل ريغ مه يلع تمعن ا نيدلا طارملا ميتسمل طارملا اندها") ||result.get(0).matches("تمعن ا نيدلا طارملا ميتسمل طارملا اندها") ||result.get(0).matches("غضوب عليهم ولا ملا ريغ مه يلع تمعن ا نيدلا طارملا") ||result.get(0).matches("الضالين")

        {
            tv.setText(result.get(0));
            Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
        }

        else
        {
            ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
            toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
            tv.setText(result.get(0));
            Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
        }
        break;
    }
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }
}
}
package com.example.zeeshan.recitely;

```

```

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahFeel extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_feel);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);

        switch (requestCode)
        {
            case 10:

                if(resultCode== RESULT_OK && data != null)
                {
                    ArrayList<String> result
                    =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                    if(result.get(0).matches("لدي بابا اريط مه يلع لسراو") ||
                    result.get(0).matches("لدي فلأ باح صاب كبر لعف فيك ىرت ملا") ||
                    result.get(0).matches("لدي لفت ي ف مه ديك لعجي ملا") || result.get(0).matches("مسب الله
                    "الرحمن الرحيم") || result.get(0).matches("لدي جس نم ه راجح مه ىمرت") ||
                    result.get(0).matches("لو كام فسعك مه لعجف"))
                    {

                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                    }
                    else if (result.get(0).matches("للا مسب")
                    فعل ربك باصحاب الفيل الم يجعل كيدهم في تضليل وارسل عليهم طيرا ابابيل ترميهم بحجاره من

```

```

"ما ليفلا باحصاب كبر لعف فيك ىرت ملا" (سجیل فجعلهم كعصف ماکول
يجعل كيدهم في تضليل وارسل عليهم طيرا ابابیل ترميهم بحجاره من سجیل فجعلهم كعصف ماکول
)
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else if(result.get(0).matches("يمساب") ||
result.get(0).matches("هللا") || result.get(0).matches("نمحرلا هللا مسب") ||
result.get(0).matches("لرحمن") || result.get(0).matches("هللا مسب") ||
result.get(0).matches("محرلا") || result.get(0).matches("محرلا") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else if (result.get(0).matches("ملا") ||
result.get(0).matches("فك ىرت ملا") || result.get(0).matches("لعلف فيك ىرت ملا") ||
result.get(0).matches("كبر لعف فيك ىرت ملا") || result.get(0).matches("لعلف فيك ىرت ملا
باصحاب ربك
لعجي ملا") || result.get(0).matches("لعجي ملا") || result.get(0).matches("لسراو
كيدهم في")
|| result.get(0).matches("مهلل لسراو") || result.get(0).matches("لسراو
عليهم طيرا")
|| result.get(0).matches("مهلل لعجف") || result.get(0).matches("مهلل لعجف") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else if (result.get(0).matches("ملا") ||
result.get(0).matches("ىرت") || result.get(0).matches("فك") ||
result.get(0).matches("لعف") || result.get(0).matches("كبر") ||
result.get(0).matches("باحصاب") || result.get(0).matches("ليفلا") ||
result.get(0).matches("لعجي") || result.get(0).matches("مهديك") ||
result.get(0).matches("ف") || result.get(0).matches("للفضت") ||
result.get(0).matches("لسراو") || result.get(0).matches("مهلل") ||
result.get(0).matches("للبابا") || result.get(0).matches("للبابا") ||
result.get(0).matches("مهلل") || result.get(0).matches("مهلل") ||
result.get(0).matches("نم") || result.get(0).matches("لجس") ||
result.get(0).matches("مهلل لعجف") || result.get(0).matches("فصع") ||
result.get(0).matches("لوكام")
)
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else if (result.get(0).matches("ملا كبر لعف فيك ىرت ملا ليفلا باحصاب كبر لعف فيك ىرت ملا
الم يجعل كيدهم في تضليل
الم يجعل كيدهم في تضليل وارسل عليهم طيرا ابابیل
فعل ربك باصحاب الفيل الم يجعل كيدهم في تضليل وارسل عليهم طيرا ابابیل ترميهم بحجاره من
سجیل")
||result.get(0).matches("لوكام فصع مهللعجف لجس نم هللعجف لمحرلا اريط مهللع لسراو
سجیل")
||result.get(0).matches("فصع مهللعجف لجس نم هللعجف لمحرلا اريط مهللع لسراو
سجیل")
||result.get(0).matches("للبابا اريط مهللع لسراو للفضت يف مهديك لعجي ملا
سجیل")
||result.get(0).matches("للبابا اريط مهللع لسراو للفضت يف مهديك لعجي ملا
سجیل")
||result.get(0).matches("ملا كبر لعف فيك ىرت ملا ليفلا باحصاب كبر لعف فيك ىرت ملا
الم يجعل كيدهم في تضليل وارسل عليهم طيرا ابابیل ترميهم بحجاره من سجیل")
||result.get(0).matches("ملا كبر لعف فيك ىرت ملا ليفلا باحصاب كبر لعف فيك ىرت ملا
الم يجعل كيدهم في تضليل وارسل عليهم طيرا ابابیل ترميهم بحجاره من سجیل")
)
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
}

```

```

        else
        {
            ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
            toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
            tv.setText(result.get(0));
            Toast.makeText(this,"Incorrect!",Toast.LENGTH_SHORT).show();
        }
        break;
    }
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }

}

}
package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahHumazah extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_humazah);

```

```

tv= findViewById(R.id.tid);
Button btn=(Button)findViewById(R.id.btn);
btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        //input();
        inputArabic();
    }
});

@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    switch (requestCode)
    {
        case 10:

            if(resultCode== RESULT_OK && data != null)
            {
                ArrayList<String> result
                =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                if(result.get(0).matches("هزمل هزمه لكل ليو") ||
                result.get(0).matches("هلام نا بسحي") || result.get(0).matches("امو") ||
                result.get(0).matches("اهمطحلا يف نذبني الك") || result.get(0).matches("ادراك ما الحطمه") ||
                result.get(0).matches("هدقوملا هللا ران") || result.get(0).matches("مهيلع انا") ||
                result.get(0).matches("هدئفالا يلع علطت يتلا") || result.get(0).matches("مؤصده") ||
                result.get(0).matches("هددم دمغ يف"))
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
                else if (result.get(0).matches("هللا مسب") ||
                لكل ليو ميحرلا نمحرلا هللا مسب" ||
                طمه وما ادراك ما همزه لمزه الذي جمع مالا وعدده يحسب ان ماله اخلده ك لا لينبذن في الج
                الحطمه نار الله الموقده التي تطلع على الافئده انها عليهم مؤصده في عمد ممدده"
                ||result.get(0).matches("هلام نا بسحي هددعو الام عمج يذلا هزمل هزمه لكل ليو") ||
                انها عليهم لينبذن في الحطمه وما ادراك ما الحطمه نار الله الموقده التي تطلع على الافئده
                (مؤصده في عمد ممدده" )
                {
                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
                else if (result.get(0).matches("يمسب") ||
                result.get(0).matches("هللا") || result.get(0).matches("نمحرلا هللا مسب") ||
                result.get(0).matches("نمحرلا") || result.get(0).matches("هللا مسب") ||
                result.get(0).matches("مميحرلا") || result.get(0).matches("نمحرلا") )
                {
                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
                else if (result.get(0).matches("لكل ليو") ||
                result.get(0).matches("يل لكل همزه و") || result.get(0).matches("عمج يذلا") ||
                result.get(0).matches("نا بسحي") || result.get(0).matches("هلام نا بسحي") ||
                result.get(0).matches("نذبني الك") || result.get(0).matches("ك اردا امو") ||
                result.get(0).matches("يف نذبني الك") || result.get(0).matches("مؤصده") ||
                result.get(0).matches("هددم دمغ يف"))
                {
                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
            }
        }
    }
}

```



```

هـدـلـخـا هـلـا م نـا بـسـحـي" ||result.get(0).matches("نـار الله الموقده التي تطلع على الـافئـده
كـلـا لـيـنـبـذـن فـي الحطمه وما ادراك ما الحطمه نار الله الموقده
||result.get(0).matches("ام كـاردا ام و همطحلا يـف نـذـبـنـيـل الـك هـدـلـخـا هـلـا م نـا بـسـحـي")
||result.get(0).matches("همطحلا يـف نـذـبـنـيـل الـك هـدـلـخـا هـلـا م نـا بـسـحـي")
هـدـقـومـلا هـلـلا ران همطحلا ام كـاردا ام و همطحلا يـف نـذـبـنـيـل الـك"
||result.get(0).matches("التي تطلع على الـافئـده انها عليهم مؤصده
الـحـطـمـه نـار الله الموقده التي تطلع على الـافئـده"وما ادراك م
||result.get(0).matches("هدقوملا هـلـلا ران همطحلا ام كـاردا ام و همطحلا يـف نـذـبـنـيـل الـك")
||result.get(0).matches("همطحلا ام كـاردا ام و همطحلا يـف نـذـبـنـيـل الـك")
||result.get(0).matches("الموقده التي تطلع على الـافئـده هـلـلا ران همطحلا ام كـاردا ام و")
يتـلـا هـدـقـومـلا هـلـلا ران همطحلا ام كـاردا ام و") ||result.get(0).matches("انها عليهم مؤصده
"هدقوملا هـلـلا ران همطحلا ام كـاردا ام و") ||result.get(0).matches("تطلع على الـافئـده
الـافئـده انها عليهم مؤصده" يـلـع عـلـطـت يـتـلـا هـدـقـومـلا هـلـلا ران")
||result.get(0).matches("هدئـفـالـا يـلـع عـلـطـت يـتـلـا هـدـقـومـلا هـلـلا ران")
||result.get(0).matches("هدصؤم مهـيـلـع اـهـنا هـدئـفـالـا يـلـع عـلـطـت يـتـلـا"))
{
    tv.setText(result.get(0));
    Toast.makeText(this,"Correct",Toast.LENGTH_SHORT).show();
}

else
{
    ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
tv.setText(result.get(0));
    Toast.makeText(this,"Incorrect!",Toast.LENGTH_SHORT).show();
}
}
break;
}
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }
}
}
}
package com.example.zeeshan.recitely;

import android.content.Intent;

```

```

import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahIkhlas extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_ikhlas);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        switch (requestCode)
        {
            case 10:

                if(resultCode== RESULT_OK && data != null)
                {
                    ArrayList<String> result
                    =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                    if(result.get(0).matches("دحا ه ل لا وه ل ق") ||
                    result.get(0).matches("دم ص ل ا ه ل لا") || result.get(0).matches("د ل و ي م ل و د ل ي م ل") ||
                    result.get(0).matches("ه ل ن ك ي م ل و") || result.get(0).matches("م ح ر ل ا ن م ح ر ل ا ه ل ل ا م س ب") ||
                    result.get(0).matches("ك ف و ا ا ح د")
                    )
                    {

                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                    }
                    else if (result.get(0).matches("ه ل ل ا وه ل ق م ح ر ل ا ن م ح ر ل ا ه ل ل ا م س ب") ||
                    result.get(0).matches("ا ح د الله الصمد لم يلد ولم يولد ولم يكن له كفوا احد") ||
                    result.get(0).matches("الله ا ح د الله الصمد لم يلد ولم يولد ولم يكن له كفوا احد")
                    )
                    {
                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                    }
                    else if (result.get(0).matches("م س ا ب") ||

```

```

result.get(0).matches("هللا") || result.get(0).matches("نمحرلا هللا مسب") ||
result.get(0).matches("هللا مسب") || result.get(0).matches("نمحرلا") ||
result.get(0).matches("محرلا") || result.get(0).matches("نمحرلا") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}

else if (result.get(0).matches("وه لقا") ||
result.get(0).matches("هللا وه لقا") || result.get(0).matches("دلي مل") ||
result.get(0).matches("ملو دلي مل") || result.get(0).matches("نكي ملو") ||
result.get(0).matches("هل نكي ملو") || result.get(0).matches("ملو دلوي ملو")
(كفوا) )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}

else if (result.get(0).matches("لقا") ||
result.get(0).matches("وه") || result.get(0).matches("هللا") ||
result.get(0).matches("دحا") || result.get(0).matches("هللا") ||
result.get(0).matches("دمصلا") || result.get(0).matches("مل") ||
result.get(0).matches("دلي") || result.get(0).matches("ملو") ||
result.get(0).matches("دلوي") || result.get(0).matches("نكي") ||
result.get(0).matches("هل") || result.get(0).matches("اوفك") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}

else if (result.get(0).matches("دمصلا هللا دحا هللا وه لقا")
||result.get(0).matches("دلوي ملو دلي مل دمصلا هللا دحا هللا وه لقا")
||result.get(0).matches("دلي مل")
||result.get(0).matches("ملو دلوي ملو دلي مل دمصلا هللا")
(ولم يولد ولم يكن له كفوا احد"
يكن له كفوا احد" )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}

else
{
    ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
tv.setText(result.get(0));
    Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
}
}
break;
}
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE, "ar-AE");
}

```

```

        if(i.resolveActivity(getPackageManager()) != null)
        {
            startActivityForResult(i, 10);
        }
        else
        {
            Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
        }
    }

}

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahInshirah extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_inshirah);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        switch (requestCode)
        {
            case 10:

```

```

        if (resultCode == RESULT_OK && data != null)
        {
            ArrayList<String> result
            =data.getStringArrayListExtra (RecognizerIntent.EXTRA_RESULTS);

            if (result.get(0).matches("كردص كل حرشن ملا" ||
result.get(0).matches("كرهظ فيقنا يذلا" || result.get(0).matches("لكرزو كنع انعضوو" ||
result.get(0).matches("لكركد كل انعفرو" || result.get(0).matches("عم ن اف" ||
result.get(0).matches("ارسعلا عم ن اف" || result.get(0).matches("فرغت اذاف"
result.get(0).matches("بغراف كبر يلاو" )
            {

                tv.setText (result.get(0));
                Toast.makeText (this, "Correct", Toast.LENGTH_SHORT) .show ();
            }

            else if (result.get(0).matches("بم سب" ||
result.get(0).matches("محرلا نمحرلا هللا مسب" ||
result.get(0).matches("محرلا هللا مسب" ||
result.get(0).matches("محرلا مسب" ||
result.get(0).matches("محرلا نمحرلا" ||
result.get(0).matches("محرلا نمحرلا" )
            {

                tv.setText (result.get(0));
                Toast.makeText (this, "Correct", Toast.LENGTH_SHORT) .show ();
            }

            else if (result.get(0).matches("م س اب" ||
result.get(0).matches("هللا" || result.get(0).matches("نمحرلا هللا مسب" ||
result.get(0).matches("محرلا مسب" || result.get(0).matches("نمحرلا" ||
result.get(0).matches("محرلا مسب" || result.get(0).matches("محرلا نمحرلا" )
            {

                tv.setText (result.get(0));
                Toast.makeText (this, "Correct", Toast.LENGTH_SHORT) .show ();
            }

            else if (result.get(0).matches("تزلزل اذا" ||
result.get(0).matches("حرشن ملا" || result.get(0).matches("كل حرشن ملا" ||
result.get(0).matches("كنع انعضوو" || result.get(0).matches("فيقنا يذلا" ||
result.get(0).matches("كل انعفرو" || result.get(0).matches("عم ن اف" ||
result.get(0).matches("ارسعلا عم ن اف" || result.get(0).matches("عم ن اف" ||
result.get(0).matches("تغرف اذاف" ||
result.get(0).matches("كبر يلاو" )
            {

                tv.setText (result.get(0));
                Toast.makeText (this, "Correct", Toast.LENGTH_SHORT) .show ();
            }

            else if (result.get(0).matches("ملا" ||
result.get(0).matches("حرشن" || result.get(0).matches("كل" ||
result.get(0).matches("كردص" || result.get(0).matches("انعضوو" ||
result.get(0).matches("كنع" || result.get(0).matches("كرزو" ||
result.get(0).matches("يذلا" || result.get(0).matches("فيقنا" ||
result.get(0).matches("انعفرو" || result.get(0).matches("ن اف" ||
result.get(0).matches("لكركد" || result.get(0).matches("ن اف" ||
result.get(0).matches("عم" || result.get(0).matches("ارسعلا" ||
result.get(0).matches("ن اف" || result.get(0).matches("ن اف" ||
result.get(0).matches("ارسعلا" || result.get(0).matches("ن اف" ||
result.get(0).matches("تغرف" || result.get(0).matches("ن اف" ||
result.get(0).matches("بم س اب" || result.get(0).matches("بم س اب" ||
result.get(0).matches("كبر" || result.get(0).matches("بغراف" )
            {

                tv.setText (result.get(0));
            }
        }
    }
}

```



```

}

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahKafiroon extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_kafiroon);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        switch (requestCode)
        {
            case 10:

                if(resultCode== RESULT_OK && data != null)
                {
                    ArrayList<String> result
                    =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                    if(result.get(0).matches("نورفاللا اهي ايلق") ||
                    result.get(0).matches("نودباع متن الو") || result.get(0).matches("ال دبع ا") ||
                    "ما اعد" || result.get(0).matches("الرحمن الرحيم هللا مسب") ||
                    result.get(0).matches("متدبع ام دباع انا الو") || result.get(0).matches("يلو مكنيد مكل")
                    (دين))
                    {

                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
                    }
                }
            }
        }
    }
}

```

```

        else if (result.get(0).matches("ههيا اي لق ميحرلا نمرحلا هللا مسب") ||
        الكافرون لا اعبد ما تعبدون ولا انتم عابدون ما اعبد ولا انا عابد ما عبدتم ولا انتم
        ال نورفالكل اهي اي لق") || result.get(0).matches("عابدون ما اعبد لكم دينكم ولي دين")
        اعبد ما تعبدون ولا انتم عابدون ما اعبد ولا انا عابد ما عبدتم ولا انتم عابدون ما اعبد
        (لكم دينكم ولي دين" )
        {
            tv.setText(result.get(0));
            Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
        }
    }
    else if(result.get(0).matches("يمس اب") ||
    result.get(0).matches("هللا") || result.get(0).matches("نمرحلا هللا مسب") ||
    result.get(0).matches("نمرحلا") || result.get(0).matches("هللا مسب") ||
    result.get(0).matches("ميحرلا") || result.get(0).matches("نمرحلا") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
}

    else if (result.get(0).matches("اي لق") ||
    result.get(0).matches("اهيا اي لق") || result.get(0).matches("دبع ا") ||
    result.get(0).matches("ام دبع ا") || result.get(0).matches("متنا الو") ||
    result.get(0).matches("نودباع متنا الو") || result.get(0).matches("نودباع
    ما") || result.get(0).matches("دباع انا الو") || result.get(0).matches("م
    كنيد مكل") ||
    result.get(0).matches("م دينكم ولي كل") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
}

    else if (result.get(0).matches("لق") ||
    result.get(0).matches("اي") || result.get(0).matches("اهيا") ||
    result.get(0).matches("نورفالكل") || result.get(0).matches("ال") ||
    result.get(0).matches("دبع ا") || result.get(0).matches("ام") ||
    result.get(0).matches("نودبعت") || result.get(0).matches("الو") ||
    result.get(0).matches("متنا") || result.get(0).matches("نودباع") ||
    result.get(0).matches("انا") || result.get(0).matches("دباع") ||
    result.get(0).matches("متدبع") || result.get(0).matches("مكل") ||
    result.get(0).matches("م كنيد") || result.get(0).matches("ي لو") ||
    result.get(0).matches("نيد") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
}

    else if (result.get(0).matches("لق اي لق") ||
    "متنا الو نودبعت ام دبع ا ال نورفالكل اهي اي لق") || result.get(0).matches("تعبدون")
    "الو نودبعت ام دبع ا ال نورفالكل اهي اي لق") || result.get(0).matches("عابدون ما اعبد")
    "اهيا اي لق") || result.get(0).matches("عبدتم") || result.get(0).matches("انتم عابدون ما اعبد ولا انا عابد ما
    الكافرون لا اعبد ما تعبدون ولا انتم عابدون ما اعبد ولا انا عابد ما عبدتم ولا انتم
    "نيد يلو م كنيد مكل دبع ا ام نودباع متنا الو") || result.get(0).matches("عابدون ما اعبد")
    "تم ولا انتم عابدون ما اعبد لكم دينكم ولي دبع ا ام دبع ا انا الو") || result.get(0).matches("دين")
    "متنا الو متدبع ام دبع ا انا الو دبع ا ام نودباع متنا الو") || result.get(0).matches("دين")
    "متنا الو نودبعت ام دبع ا ال") || result.get(0).matches("عابدون ما اعبد لكم دينكم ولي دين")
    "نتم عابدون ما اعبد لكم دينكم ولي دين") || result.get(0).matches("عابدون ما اعبد ولا انا عابد ما عبدتم ولا ا
    "دبع ا ام نودباع متنا الو نودبعت ام دبع ا ال") || result.get(0).matches("دبع ا انا الو دبع ا ام نودباع متنا الو
    "عابدون ما اعبد ولا انا متنا الو نودبعت ام دبع ا ال") || result.get(0).matches("عبدتم")
    "ام نودباع متنا الو") || result.get(0).matches("عابدون ما اعبد ولا انتم عابدون ما اعبد")
    "اعبد ولا انا عابد ما عبدتم ولا انتم عابدون ما اعبد لكم دينكم ولي دين")
    "م عابدون متنا الو متدبع ام دبع ا انا الو دبع ا ام نودباع متنا الو") || result.get(0).matches("دين")

```

```

"مَدْبَع ام دَباع انا الو دَبعا ام نودبَاع مَتنا الو" )
||result.get(0).matches("الو دَبعا ام نودبَاع مَتنا الو" )
"دين" ||result.get(0).matches("دَبعا ام نودبَاع مَتنا الو مَدْبَع ام دَباع انا الو" )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }

    else
    {
        ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
        toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
        tv.setText(result.get(0));
        Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
    }
}
break;
}
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE, "ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }
}
}
}

```

```

package com.example.zeeshan.recitely;

import android.content.ClipboardManager;
import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

```

```

import java.util.ArrayList;

import static android.app.Activity.RESULT_OK;

public class SurahKausar extends AppCompatActivity {
    TextView tv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_kausar);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    /* public void input()
    {

        Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
        i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
        RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
        i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"US-eng");

        if(i.resolveActivity(getPackageManager())!= null)
        {
            startActivityForResult(i, 10);
        }
        else
        {
            Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
        }
    }
    */

    public void inputArabic()
    {
        Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
        i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
        RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
        i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

        if(i.resolveActivity(getPackageManager())!= null)
        {
            startActivityForResult(i, 10);
        }
        else
        {
            Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
        }
    }
}

```



```

        {
            tv.setText(result.get(0));
            Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
        }

        else
        {
            ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
            toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
            Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
        }
    }
    break;
}
}
}
}

```

```

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahLahab extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_lahab);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent
data) {
        super.onActivityResult(requestCode, resultCode, data);
    }
}

```

```

switch (requestCode)
{
    case 10:

        if(resultCode== RESULT_OK && data != null)
        {
            ArrayList<String> result
            =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

            if(result.get(0).matches("بتو بهل يبا ادي تبت") ||
result.get(0).matches("ارن يلصيس") || result.get(0).matches("بسك امو هلام هنع ىنغا ام") || result.get(0).matches("ميجرلا نمرجلا هللا مسب") || result.get(0).matches("ذات لهب") || result.get(0).matches("ميجرلا نمرجلا هللا مسب") || result.get(0).matches("هلامح") || result.get(0).matches("هتارم او بهل تاذا اران يلصيس") || result.get(0).matches("الخطب") || result.get(0).matches("هلامح هتارم او بهل تاذا اران يلصيس") || result.get(0).matches("دسم نم لبح اهديج يف"))
            {

                tv.setText(result.get(0));
                Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

            }

            else if (result.get(0).matches("يبا ادي تبت ميجرلا نمرجلا هللا مسب") ||
result.get(0).matches("لهب وتب ما اغنى عنه ماله وما كسب سيصلى نارا ذات لهب وامراته حماله الخطب في جيدها حبل يلصيس بسك امو هلام هنع ىنغا ام بتو بهل يبا ادي تبت") || result.get(0).matches("من مسد") || result.get(0).matches("الخطب في جيدها حبل من مسد نارا ذات لهب وامراته حماله") )
            {

                tv.setText(result.get(0));
                Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

            }

            else if(result.get(0).matches("يمساب") ||
result.get(0).matches("نمرجلا هللا مسب") || result.get(0).matches("هللا") || result.get(0).matches("نمرجلا") || result.get(0).matches("هللا مسب") || result.get(0).matches("نمرجلا") || result.get(0).matches("ميجرلا نمرجلا") || result.get(0).matches("ميجرلا") )
            {

                tv.setText(result.get(0));
                Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

            }

            else if (result.get(0).matches("ادي تبت") ||
result.get(0).matches("بهل يبا ادي تبت") || result.get(0).matches("ابي دي تبت") || result.get(0).matches("هنع ىنغا ام") || result.get(0).matches("هلامح") || result.get(0).matches("هتارم او بهل تاذا اران يلصيس") || result.get(0).matches("ذات") || result.get(0).matches("ارن يلصيس") || result.get(0).matches("يفا") || result.get(0).matches("جيدها") || result.get(0).matches("لبح اهديج يف") || result.get(0).matches("حبل من") )
            {

                tv.setText(result.get(0));
                Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

            }

            else if (result.get(0).matches("تبت") ||
result.get(0).matches("ادي") || result.get(0).matches("يبا") || result.get(0).matches("بهل") || result.get(0).matches("بتو") || result.get(0).matches("ام") || result.get(0).matches("ىنغا") || result.get(0).matches("هلام") || result.get(0).matches("هنع") || result.get(0).matches("امو") || result.get(0).matches("بسك") || result.get(0).matches("ارن") || result.get(0).matches("يلصيس") || result.get(0).matches("تاذا") || result.get(0).matches("بهل") || result.get(0).matches("هلامح") || result.get(0).matches("هتارم او") || result.get(0).matches("بطحلا") || result.get(0).matches("يف") ||

```

```

result.get(0).matches("اهديج") || result.get(0).matches("لبح") ||
result.get(0).matches("نم") || result.get(0).matches("دسم"))
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else if (result.get(0).matches("هنع ىنغا ام بتو بهل يبا ادي تبت") ||
"بسك امو هلام هنع ىنغا ام بتو بهل يبا ادي تبت") || result.get(0).matches("ماله وما كسب")
"هنع ىنغا ام بتو بهل يبا ادي تبت") || result.get(0).matches("را ذات لهب وامراته سيصلى نا")
"هلامح هتارم او بهل تاذا اران ىلصيس") || result.get(0).matches("ماله وما كسب سيصلى نارا ذات لهب وامراته حماله الحطب")
"ىلصيس بسك امو هلام هنع ىنغا ام") || result.get(0).matches("في جيدها حبل من مسد")
"ام") || result.get(0).matches("نارا ذات لهب وامراته حماله الحطب في جيدها حبل من مسد")
"ىنغا ام") || result.get(0).matches("اغنى عنه ماله وما كسب سيصلى نارا ذات لهب وامراته")
"ا كسب سيصلى نارا ذات لهب وامراته حماله الحطب" عنه ماله وم")
|| result.get(0).matches("دسم نم لبخ اهديج يف بطحلا هلامح هتارم او بهل تاذا اران ىلصيس")
|| result.get(0).matches("بطحلا هلامح هتارم او بهل تاذا اران ىلصيس"))
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
else
{
    ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
tv.setText(result.get(0));
    Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
}
}
break;
}
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }
}

```

```

    }
}
package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahMaoon extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_maoon);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);

        switch (requestCode)
        {
            case 10:

                if(resultCode== RESULT_OK && data != null)
                {
                    ArrayList<String> result
                    =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                    if(result.get(0).matches("نيدل اب بذي يذلا تي ارا") ||
                    result.get(0).matches("ميتيلا عدي يذلا كلذف") || result.get(0).matches("لوع ضحي الو")
                    || result.get(0).matches("محرلا نمحرلا هللا مسب") ||
                    result.get(0).matches("الذين هم عن صلاتهم") || result.get(0).matches("نوعنميو")
                    || result.get(0).matches("ساهون") || result.get(0).matches("نوءاري مه نيذلا") || result.get(0).matches("الماعون"))
                    {

                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
                    }
                }
            }
        }
    }
}

```

```

    }
    else if (result.get(0).matches("هللا مسب")
يذلا تي ارا مي حرلا هللا مسب)
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("يم ساب") ||
result.get(0).matches("هللا") || result.get(0).matches("نم حرلا مسب") ||
result.get(0).matches("هللا مسب") || result.get(0).matches("نم حرلا") ||
result.get(0).matches("مي حرلا") || result.get(0).matches("مي حرلا") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("يذلا تي ارا") ||
result.get(0).matches("بذكي يذلا تي ارا") || result.get(0).matches("لذف") ||
result.get(0).matches("ضح الو") || result.get(0).matches("عدي يذلا لذف") ||
result.get(0).matches("يلع ضحي الو") || result.get(0).matches("ماعط يلع ضحي الو") ||
result.get(0).matches("م ه نيذلا") || result.get(0).matches("نم ه نيذلا") ||
result.get(0).matches("م ه تالاص") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("تي ارا") ||
result.get(0).matches("يذلا") || result.get(0).matches("بذكي") ||
result.get(0).matches("نيذلاب") || result.get(0).matches("لذف") ||
result.get(0).matches("عدي") || result.get(0).matches("مي تيلا") ||
result.get(0).matches("الو") || result.get(0).matches("ضح ي") ||
result.get(0).matches("ماعط") || result.get(0).matches("ليوف") ||
result.get(0).matches("نيكسمل") || result.get(0).matches("ليوف") ||
result.get(0).matches("نيكسمل") || result.get(0).matches("نيذلا") ||
result.get(0).matches("م ه") || result.get(0).matches("نم") ||
result.get(0).matches("م ه تالاص") || result.get(0).matches("نم ه اس") ||
result.get(0).matches("نم ه اري") || result.get(0).matches("نوع نم ي") ||
result.get(0).matches("نوع املا") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("يذلا لذف نيذلاب بذكي يذلا تي ارا")
الذي يدع اليتيم ولا لذف نيذلاب بذكي يذلا تي ارا)
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("يذلا تي ارا")
يذلا تي ارا مي حرلا هللا مسب)
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("هللا") || result.get(0).matches("نم حرلا مسب") ||
result.get(0).matches("هللا مسب") || result.get(0).matches("نم حرلا") ||
result.get(0).matches("مي حرلا") || result.get(0).matches("مي حرلا") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("يذلا تي ارا") ||
result.get(0).matches("بذكي يذلا تي ارا") || result.get(0).matches("لذف") ||
result.get(0).matches("ضح الو") || result.get(0).matches("عدي يذلا لذف") ||
result.get(0).matches("يلع ضحي الو") || result.get(0).matches("ماعط يلع ضحي الو") ||
result.get(0).matches("م ه نيذلا") || result.get(0).matches("نم ه نيذلا") ||
result.get(0).matches("م ه تالاص") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("تي ارا") ||
result.get(0).matches("يذلا") || result.get(0).matches("بذكي") ||
result.get(0).matches("نيذلاب") || result.get(0).matches("لذف") ||
result.get(0).matches("عدي") || result.get(0).matches("مي تيلا") ||
result.get(0).matches("الو") || result.get(0).matches("ضح ي") ||
result.get(0).matches("ماعط") || result.get(0).matches("ليوف") ||
result.get(0).matches("نيكسمل") || result.get(0).matches("ليوف") ||
result.get(0).matches("نيكسمل") || result.get(0).matches("نيذلا") ||
result.get(0).matches("م ه") || result.get(0).matches("نم") ||
result.get(0).matches("م ه تالاص") || result.get(0).matches("نم ه اس") ||
result.get(0).matches("نم ه اري") || result.get(0).matches("نوع نم ي") ||
result.get(0).matches("نوع املا") )
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }

```



```

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahNaas extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_naas);
        tv= findViewById(R.id.tid);
        Button btn=(Button)findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        switch (requestCode)
        {
            case 10:

                if(resultCode== RESULT_OK && data != null)
                {
                    ArrayList<String> result
                    =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                    if(result.get(0).matches("سانلا برب ذوع لق") ||
                    result.get(0).matches("سانلا كلم") || result.get(0).matches("سانلا هلا") ||
                    result.get(0).matches("م يحرلا نم حرلا هللا مسب") || result.get(0).matches("رش نم
                    الوسواس الخناس") || result.get(0).matches("سانلا رودص يف سوسوي يذلا") ||
                    result.get(0).matches("سانلاو هنجلا نم"))
                    {

                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
                    }
                }
            }
        }
    }
}

```

```

else if (result.get(0).matches("هللا مسب"))
    ر الناس من الجنة الناس ملك الناس اله الناس من شر الوسواس الخناس الذي يوسوس في صدو
    ساوسولا رش نم سانلا هللا سانلا كلم سانلا برب ذوعا لق" ) || result.get(0).matches("والناس
    (الخناس الذي يوسوس في صدور الناس من الجنة والناس"
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }

else if (result.get(0).matches("يم ساب") ||
result.get(0).matches("هللا مسب") || result.get(0).matches("نم حرلا هللا مسب") ||
result.get(0).matches("هللا مسب") || result.get(0).matches("نم حرلا") ||
result.get(0).matches("م يحرلا") || result.get(0).matches("م يحرلا نم حرلا") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}

else if (result.get(0).matches("ذوعا لق") ||
result.get(0).matches("برب ذوعا لق") || result.get(0).matches("رش نم") ||
result.get(0).matches("ساوسولا رش نم") || result.get(0).matches("ي ذللا") ||
result.get(0).matches("يف ساوسولا ي ذللا") || result.get(0).matches("رودص ي ساوسولا ي ذللا")
|| result.get(0).matches("ه نجللا نم") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}

else if (result.get(0).matches("لق") ||
result.get(0).matches("ذوعا") || result.get(0).matches("برب") ||
result.get(0).matches("سانل") || result.get(0).matches("كلم") ||
result.get(0).matches("هللا") || result.get(0).matches("نم") ||
result.get(0).matches("رش") || result.get(0).matches("ساوسولا") ||
result.get(0).matches("سانخلا") || result.get(0).matches("ي ذللا") ||
result.get(0).matches("ساوسولا") || result.get(0).matches("يف") ||
result.get(0).matches("رودص") || result.get(0).matches("ه نجللا") ||
result.get(0).matches("سانلا او") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}

else if (result.get(0).matches("سانلا كلم سانلا برب ذوعا لق")
|| result.get(0).matches("سانلا هللا سانلا كلم سانلا برب ذوعا لق")
|| result.get(0).matches("سانخلا ساوسولا رش نم سانلا هللا سانلا كلم سانلا برب ذوعا لق")
|| result.get(0).matches("سانلا او ه نجللا نم سانلا رودص ي ساوسولا ي ذللا")
|| result.get(0).matches("ه نجللا نم سانلا رودص ي ساوسولا ي ذللا سانخلا ساوسولا رش نم")
|| result.get(0).matches("رودص ي ساوسولا ي ذللا سانخلا ساوسولا رش نم سانلا هللا")
|| result.get(0).matches("سانلا كلم") || result.get(0).matches("الخناس الذي يوسوس في صدور الناس من الجنة والناس")
|| result.get(0).matches("سانلا كلم") || result.get(0).matches("الخناس الذي يوسوس في صدور الناس من الجنة والناس")
|| result.get(0).matches("سانخلا ساوسولا رش نم سانلا هللا سانلا كلم")
|| result.get(0).matches("ن شر الوسواس الخناس الذي يوسوس في صدور م سانلا هللا سانلا كلم")
|| result.get(0).matches("الناس")
|| result.get(0).matches("نم سانلا رودص ي ساوسولا ي ذللا سانخلا ساوسولا رش نم سانلا هللا")
|| result.get(0).matches("خناس الذي يوسوس في ل ساوسولا رش نم سانلا هللا")
|| result.get(0).matches("الخناس الذي يوسوس في ل ساوسولا رش نم سانلا هللا")
|| result.get(0).matches("سانلا رودص ي ساوسولا ي ذللا سانخلا ساوسولا رش نم")
|| result.get(0).matches("ه نجللا نم سانلا رودص ي ساوسولا ي ذللا سانخلا ساوسولا رش نم")
|| result.get(0).matches("ناس"لا او ه نجللا نم سانلا رودص ي ساوسولا ي ذللا") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}

```

```

        }

        else
        {
            ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
            toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
            tv.setText(result.get(0));
            Toast.makeText(this,"Incorrect!",Toast.LENGTH_SHORT).show();
        }
    }
    break;
}

}

}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }
}
}
}

```

```

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahQadr extends AppCompatActivity {
    TextView tv;

```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_surah_qadr);
    tv= findViewById(R.id.tid);
    Button btn=(Button) findViewById(R.id.btn);
    btn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            //input();
            inputArabic();
        }
    });
}

@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    switch (requestCode)
    {
        case 10:

            if(resultCode== RESULT_OK && data != null)
            {
                ArrayList<String> result
                =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                if(result.get(0).matches("ردقلا هليل يف هانلزن انا") ||
                result.get(0).matches("ردقلا هليل ردقلا هليل ام كارد امو") ||
                result.get(0).matches("رهش فلدا نم ريخ ردقلا هليل") || result.get(0).matches("لزنن
                علطم يتح يه") || result.get(0).matches("انكه والروح فيها باذن ربهم من كل امر سلام المل
                (الفجر) )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
                else if (result.get(0).matches("هانلزن انا ميحرلا نمحرلا هلا مساب")
                في ليله القدر وما ادراك ما ليله القدر ليله القدر خير من الف شهر تنزل الم لانكه والروح
                هانلزن انا") || result.get(0).matches("فيها باذن ربهم من كل امر سلام هي حتى مطلع الفجر")
                في ليله القدر وما ادراك ما ليله القدر ليله القدر خير من الف شهر تنزل الم لانكه والروح
                (فيها باذن ربهم من كل امر سلام هي حتى مطلع الفجر")
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
                else if (result.get(0).matches("يمساب") ||
                result.get(0).matches("هانللا") || result.get(0).matches("نمحرلا هلا مساب") ||
                result.get(0).matches("نمحرلا") || result.get(0).matches("هانللا مساب") ||
                result.get(0).matches("ميحرلا") || result.get(0).matches("نمحرلا ميحرلا") )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }

                else if (result.get(0).matches("هانلزن انا") ||

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```

result.get(0).matches("انزلزنا ان انا") || result.get(0).matches("انزلزنا ان انا")
"ليله" || result.get(0).matches("كارد امو") || result.get(0).matches("ام كارد امو")
|| result.get(0).matches("وهليل ام كارد امو") || result.get(0).matches("ريخ ردقلا هليل")
"من" || result.get(0).matches("ريخ ردقلا هليل") || result.get(0).matches("لزنن")
"لزنن") || result.get(0).matches("هكئالملا لزنن") || result.get(0).matches("الملكه والروح")
|| result.get(0).matches("انذاب اهيف حورلاو هكئالملا لزنن") ||
result.get(0).matches("نذاب اهيف حورلاو هكئالملا لزنن") ||
result.get(0).matches("الملكه والروح فيها باذن ربهم من كل لزنن") ||
result.get(0).matches("نم مهبر نذاب اهيف حورلاو هكئالملا لزنن") ||
result.get(0).matches("رما لك نم مهبر نذاب اهيف حورلاو هكئالملا لزنن") ||
result.get(0).matches("يتح يه") || result.get(0).matches("علطم يتح يه") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
}
else if (result.get(0).matches("انا") ||
result.get(0).matches("انزلزنا") || result.get(0).matches("يف") ||
result.get(0).matches("هليل") || result.get(0).matches("ردقلا") ||
result.get(0).matches("امو") || result.get(0).matches("كارد") ||
result.get(0).matches("ام") || result.get(0).matches("ريخ") ||
result.get(0).matches("نم") || result.get(0).matches("فلا") ||
result.get(0).matches("رهش") || result.get(0).matches("لزنن") ||
result.get(0).matches("هكئالملا") || result.get(0).matches("حورلاو") ||
result.get(0).matches("اهيف") || result.get(0).matches("اذن ب") ||
result.get(0).matches("مهبر") || result.get(0).matches("نم") ||
result.get(0).matches("لك") || result.get(0).matches("رما") ||
result.get(0).matches("م الس") || result.get(0).matches("يه") ||
result.get(0).matches("يتح") || result.get(0).matches("علطم") ||
result.get(0).matches("رجفلا"))
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
}
else if (result.get(0).matches("انزلزنا ان انا") || result.get(0).matches("انزلزنا ان انا")
"انزلزنا ان انا" || result.get(0).matches("انزلزنا ان انا") || result.get(0).matches("انزلزنا ان انا")
"ليله" || result.get(0).matches("كارد امو") || result.get(0).matches("ام كارد امو")
|| result.get(0).matches("وهليل ام كارد امو") || result.get(0).matches("ريخ ردقلا هليل")
"من" || result.get(0).matches("ريخ ردقلا هليل") || result.get(0).matches("لزنن")
"لزنن") || result.get(0).matches("هكئالملا لزنن") || result.get(0).matches("الملكه والروح")
|| result.get(0).matches("انذاب اهيف حورلاو هكئالملا لزنن") ||
result.get(0).matches("نذاب اهيف حورلاو هكئالملا لزنن") ||
result.get(0).matches("الملكه والروح فيها باذن ربهم من كل لزنن") ||
result.get(0).matches("نم مهبر نذاب اهيف حورلاو هكئالملا لزنن") ||
result.get(0).matches("رما لك نم مهبر نذاب اهيف حورلاو هكئالملا لزنن") ||
result.get(0).matches("يتح يه") || result.get(0).matches("علطم يتح يه") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
}
else
{
    ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
tv.setText(result.get(0));
    Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
}
}

```

```

        }
        break;
    }
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }
}
}
}

```

```

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahQariah extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_qariah);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        }
    }
}

```

```

    });
}

@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);

    switch (requestCode)
    {
        case 10:

            if(resultCode== RESULT_OK && data != null)
            {
                ArrayList<String> result
                =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                if(result.get(0).matches("هعراقلا") || result.get(0).matches("القارعه") || result.get(0).matches("هعراقلا ام كارد امو") || result.get(0).matches("نوكي موي") || result.get(0).matches("شوفنملا نه عاك لابجلا نوكتو") || result.get(0).matches("الناس كالفراش المبيثوث") || result.get(0).matches("هشيح يف وهف") || result.get(0).matches("هني زاوم تفلت نم ام اف") || result.get(0).matches("راضيه") || result.get(0).matches("هني زاوم تفخ نم ام او") || result.get(0).matches("ران") || result.get(0).matches("هيه ام كارد امو") || result.get(0).matches("حاميه") )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
                else if (result.get(0).matches("ام هعراقلا ميحرلا نمحرلا هللا مسب") || result.get(0).matches("القارعه وما ادراك ما القارعه يوم يكون الناس كالفراش المبيثوث وتكون الجبال كالعنفت موازينه فامه هاويه وما المنفوش فاما من ثقلت موازينه فهو في عيشه راضيه واما من خ ام كارد امو هعراقلا ام هعراقلا") || result.get(0).matches("ادراك ماهيه نار حاميه") || result.get(0).matches("القارعه يوم يكون الناس كالفراش المبيثوث وتكون الجبال كالعنفت موازينه فاما من ثقلت موازينه فهو في عيشه راضيه واما من خفت موازينه فامه هاويه وما ادراك ما (هيه نار حاميه موازينه فهو في عيشه راضيه واما من ثقلت موازينه فامه هاويه وما ادراك ما") )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
                else if(result.get(0).matches("يمس اب") || result.get(0).matches("هللا") || result.get(0).matches("نمحرلا هللا مسب") || result.get(0).matches("نمحرلا") || result.get(0).matches("هللا مسب") || result.get(0).matches("نمحرلا") || result.get(0).matches("ميحرلا") || result.get(0).matches("نمحرلا") )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
                else if (result.get(0).matches("كارد امو") || result.get(0).matches("نوكي موي") || result.get(0).matches("سانلا نوكي موي") || result.get(0).matches("سانلا نوكي موي") || result.get(0).matches("لابلجلا نوكتو") || result.get(0).matches("نوكتو") || result.get(0).matches("من ام اف") || result.get(0).matches("الجبال كالعنفت") || result.get(0).matches("هشيح يف وهف") || result.get(0).matches("ثقلت") || result.get(0).matches("نم ام او") || result.get(0).matches("تفخ نم ام او") )
                {

                    tv.setText(result.get(0));
                    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();

                }
            }
        }
    }
}

```

```

    }
    else if (result.get(0).matches("ه عراقلا") ||
result.get(0).matches("ام") || result.get(0).matches("امو") ||
result.get(0).matches("ك اردا") || result.get(0).matches("موي") ||
result.get(0).matches("نوكي") || result.get(0).matches("سانلا") ||
result.get(0).matches("شارفل ا") || result.get(0).matches("ثو ثبملا") ||
result.get(0).matches("نوكتو") || result.get(0).matches("لابجلا") ||
result.get(0).matches("نعل ا") || result.get(0).matches("شوفنملا") ||
result.get(0).matches("ام اف") || result.get(0).matches("نم") ||
result.get(0).matches("تلقث") || result.get(0).matches("هنيزاوم") ||
result.get(0).matches("وهف") || result.get(0).matches("يف") ||
result.get(0).matches("هشيع") || result.get(0).matches("هضار") ||
result.get(0).matches("ام او") || result.get(0).matches("نم") ||
result.get(0).matches("تفخ") || result.get(0).matches("هنيزاوم") ||
result.get(0).matches("هم اف") || result.get(0).matches("هيواه") ||
result.get(0).matches("هيه ام") || result.get(0).matches("ران") ||
result.get(0).matches("هيم اح"))
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }

    else if (result.get(0).matches("ه عراقلا ام ه عراقلا")
||result.get(0).matches("ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("لقارعه يوم يكون الناس ا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("يكون الناس كالفراش المبيوث وتكون الجبال كالعهن المنفوش")
||result.get(0).matches("سانلا نوكي موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("لمبيوث وتكون الجبال كالعهن المنفوش فاما من ثقلت موازينه كالفراش ا")
||result.get(0).matches("سانلا نوكي موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("كالفراش المبيوث وتكون الجبال كالعهن المنفوش فاما من ثقلت موازينه فهو في عيشه راضيه")
||result.get(0).matches("ما القارعه وما ادراك ما القارعه يوم يكون الناس ه عراقلا")
||result.get(0).matches("كالفراش المبيوث وتكون الجبال كالعهن المنفوش فاما من ثقلت موازينه فهو في عيشه راضيه")
||result.get(0).matches("ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("و اما من خفت موازينه")
||result.get(0).matches("جبال كالعهن المنفوش فاما من ثقلت موازينه فهو في يوم يكون الناس كالفراش المبيوث وتكون ال")
||result.get(0).matches("ام ه عراقلا")
||result.get(0).matches("عيشه راضيه و اما من خفت موازينه فامه هاويه")
||result.get(0).matches("القارعه وما ادراك ما القارعه يوم يكون الناس كالفراش المبيوث وتكون الجبال كالعهن")
||result.get(0).matches("اما من خفت موازينه فامه هاويه وما المنفوش فاما من ثقلت موازينه فهو في عيشه راضيه و")
||result.get(0).matches("موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("ادراك ماهيه")
||result.get(0).matches("يكون الناس كالفراش المبيوث وتكون الجبال كالعهن المنفوش فاما من ثقلت موازينه فهو في")
||result.get(0).matches("ه نار حاميه عيشه راضيه و اما من خفت موازينه فامه هاويه وما ادراك ماهي")
||result.get(0).matches("ام")
||result.get(0).matches("ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("القارعه وما ادراك ما القارعه يوم يكون الناس كالفراش المبيوث")
||result.get(0).matches("شارفل ا نوكي موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("ك اردا امو ه عراقلا ام")
||result.get(0).matches("الجبال كالعهن المنفوش المبيوث وتكون")
||result.get(0).matches("ما القارعه يوم يكون الناس كالفراش المبيوث وتكون الجبال كالعهن المنفوش فاما من ثقلت")
||result.get(0).matches("سانلا نوكي موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("موازينه")
||result.get(0).matches("ون الجبال كالعهن المنفوش فاما من ثقلت موازينه فهو في عيشه راضيه كالفراش المبيوث وتك")
||result.get(0).matches("شارفل ا سانلا نوكي موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("المبيوث وتكون الجبال كالعهن المنفوش فاما من ثقلت موازينه فهو في عيشه راضيه و اما من خفت")
||result.get(0).matches("سانلا نوكي موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("موازينه")
||result.get(0).matches("كالفراش المبيوث وتكون الجبال كالعهن المنفوش فاما من ثقلت موازينه فهو في عيشه راضيه")
||result.get(0).matches("ام ك اردا امو ه عراقلا ام")
||result.get(0).matches("و اما من خفت موازينه فامه هاويه")
||result.get(0).matches("لمبيوث وتكون الجبال كالعهن المنفوش فاما من ثقلت القارعه يوم يكون الناس كالفراش ا")
||result.get(0).matches("موازينه فهو في عيشه راضيه و اما من خفت موازينه فامه هاويه وما ادراك ماهيه")
||result.get(0).matches("شارفل ا سانلا نوكي موي ه عراقلا ام ك اردا امو ه عراقلا ام ه عراقلا")
||result.get(0).matches("ينه فهو في عيشه راضيه و اما من خفت الموازينه وتكون الجبال كالعهن المنفوش فاما من ثقلت مواز")
||result.get(0).matches("ام ك اردا امو")
||result.get(0).matches("موازينه فامه هاويه وما ادراك ماهيه نار حاميه")
||result.get(0).matches("ه عراقلا ام ك اردا امو")
||result.get(0).matches("القارعه يوم يكون الناس كالفراش المبيوث")
||result.get(0).matches("المنفوش يوم يكون الناس كالفراش المبيوث وتكون الجبال كالعهن")
||result.get(0).matches("نوكتو ثو ثبملا شارفل ا سانلا نوكي موي ه عراقلا ام ك اردا امو")
||result.get(0).matches("ام ك اردا امو")
||result.get(0).matches("الجبال كالعهن المنفوش فاما من ثقلت موازينه")

```



```

    }
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }

}

}

}

package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahQuraish extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_quraish);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
            }
        });
    }
}

```



```

result.get(0).matches("تېبلا") || result.get(0).matches("يذلا") ||
result.get(0).matches("مهم عطا") || result.get(0).matches("نم") ||
result.get(0).matches("عوج") || result.get(0).matches("مهم او") ||
result.get(0).matches("فوخ")
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else if (result.get(0).matches("اتشلا هلحر مهفالي شيرق فاليال"
"بر اودبعيلف فيصل او" "اتشلا هلحر مهفالي شيرق فاليال"
"اودبعيلف فيصل او" "اتشلا هلحر مهفالي شيرق فاليال"
"مهم او عوج نم مهم عطا يذلا") || result.get(0).matches("رب هذا البيت الذي اطعمهم من جوع"
"نم مهم او عوج نم مهم عطا يذلا تېبلا اذه بر اودبعيلف"
"يذلا تېبلا اذه بر اودبعيلف فيصل او" "اتشلا هلحر مهفالي"
"فيصل او" "اتشلا هلحر مهفالي"
"هلحر مهفالي"
"فليعبدوا رب هذا البيت الذي اطعمهم من جوع"
"تېبلا اذه بر اودبعيلف"
"الشتاء والضيف فليعبدوا رب هذا البيت"
"الذي اطعمهم من جوع"))
    {
        tv.setText(result.get(0));
        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
    }
    else
    {
        ToneGenerator toneGenerator=new
ToneGenerator(AudioManager.STREAM_MUSIC,100);
toneGenerator.startTone(ToneGenerator.TONE_CDMA_PIP,1500);
tv.setText(result.get(0));
        Toast.makeText(this, "Incorrect !", Toast.LENGTH_SHORT).show();
    }
    }
    break;
}
}
}

public void inputArabic()
{
    Intent i=new Intent(RecognizerIntent.ACTION_RECOGNIZE_SPEECH);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE_MODEL,
RecognizerIntent.LANGUAGE_MODEL_FREE_FORM);
    i.putExtra(RecognizerIntent.EXTRA_LANGUAGE,"ar-AE");

    if(i.resolveActivity(getPackageManager())!= null)
    {
        startActivityForResult(i, 10);
    }
    else
    {
        Toast.makeText(this, "Not supported ", Toast.LENGTH_SHORT).show();
    }
}
}
}

```

```

}
package com.example.zeeshan.recitely;

import android.content.Intent;
import android.media.AudioManager;
import android.media.ToneGenerator;
import android.speech.RecognizerIntent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class SurahZilzal extends AppCompatActivity {
    TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_surah_zilzal);
        tv= findViewById(R.id.tid);
        Button btn=(Button) findViewById(R.id.btn);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //input();
                inputArabic();
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);

        switch (requestCode)
        {
            case 10:

                if(resultCode== RESULT_OK && data != null)
                {
                    ArrayList<String> result
                    =data.getStringArrayListExtra(RecognizerIntent.EXTRA_RESULTS);

                    if(result.get(0).matches("اهلازلز هزالا تلزلز اذا") ||
                    result.get(0).matches("اهلاقثا هزالا تجرخ او") || result.get(0).matches("ناسنالا لاقو") ||
                    result.get(0).matches("ناب") || result.get(0).matches("اهرابخا شدحت ذئموي") || result.get(0).matches("ما لها") ||
                    result.get(0).matches("مهل امعا اوريل اتاتشا سانلا ردصي ذئموي") || result.get(0).matches("ربك اوحى لها") ||
                    result.get(0).matches("هري اريخ هرذ لاقثم لمعي نمف") || result.get(0).matches("نمو")
                    (يعمل مثقال ذره شرا يره" )
                    {

                        tv.setText(result.get(0));
                        Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
                    }
                }
            }
        }
    }
}

```

```

else if (result.get(0).matches("هللا مسب"))
يومنذ تحدث اخبارها بان ربك اوحى الارض زلزالها واخرجت الارض اثقالها وقال الانسان ما لها
لها يومنذ يصدر الناس اشتاتا ليروا اعمالهم فمن يعمل مثقال ذره خيرا يره ومن يعمل مثقال
اهلاقثا ضرالا تجرخ او اهلازل ضرالا تلزلز اذا" || result.get(0).matches("ذره شرا يره"
ا يومنذ يصدر الناس اشتاتا ليروا وقال الانسان ما لها يومنذ تحدث اخبارها بان ربك اوحى له
(اعمالهم فمن يعمل مثقال ذره خيرا يره ومن يعمل مثقال ذره شرا يره"
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
}
else if (result.get(0).matches("يمسب") ||
result.get(0).matches("هللا") || result.get(0).matches("نمحرلا هللا مسب") ||
result.get(0).matches("هللا مسب") || result.get(0).matches("نمحرلا") ||
result.get(0).matches("ميحرلا") || result.get(0).matches("نمحرلا ميحرلا") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
}
else if (result.get(0).matches("تلزلز اذا") ||
result.get(0).matches("ضرالا تلزلز اذا") || result.get(0).matches("ضرالا تجرخ او") ||
result.get(0).matches("ناسنالا لاقو") || result.get(0).matches("ناسنالا لاقو") ||
result.get(0).matches("كبر ناب") || result.get(0).matches("كبر ناب") ||
result.get(0).matches("سانلا ردمي ذئموي") || result.get(0).matches("سانلا ردمي ذئموي") ||
result.get(0).matches("اوريل اتاتشا سانلا ردمي ذئموي") || result.get(0).matches("ذئموي")
ذئموي" || result.get(0).matches("يصدر الناس اشتاتا")
|| result.get(0).matches("يعمل نمف") || result.get(0).matches("نمف")
|| result.get(0).matches("هرذ لاقثم لمعي نمف") || result.get(0).matches("هرذ لاقثم لمعي نمف")
|| result.get(0).matches("اربخ نمو") || result.get(0).matches("اربخ نمو")
|| result.get(0).matches("لاقثم لمعي نمو") || result.get(0).matches("لاقثم لمعي نمو")
|| result.get(0).matches("ارش هرذ لاقثم لمعي نمو") || result.get(0).matches("ارش هرذ لاقثم لمعي نمو")
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
}
else if (result.get(0).matches("اذا") ||
result.get(0).matches("تلزلز") || result.get(0).matches("ضرالا") ||
result.get(0).matches("اهلازلز") || result.get(0).matches("تجرخ او") ||
result.get(0).matches("اهلاقثا") || result.get(0).matches("لاقو") ||
result.get(0).matches("ناسنالا") || result.get(0).matches("ام") ||
result.get(0).matches("اهل") || result.get(0).matches("ذئموي") ||
result.get(0).matches("شذحت") || result.get(0).matches("اهرابخا") ||
result.get(0).matches("ناب") || result.get(0).matches("كبر") ||
result.get(0).matches("يحو") || result.get(0).matches("ذئموي") ||
result.get(0).matches("ردمي") || result.get(0).matches("سانلا") ||
result.get(0).matches("اتاتشا") || result.get(0).matches("اوريل") ||
result.get(0).matches("مهل امعا") || result.get(0).matches("نمف") ||
result.get(0).matches("لمعي") || result.get(0).matches("لاقثم") ||
result.get(0).matches("هرذ") || result.get(0).matches("اربخ") ||
result.get(0).matches("ري") || result.get(0).matches("نمو") ||
result.get(0).matches("ارش") )
{
    tv.setText(result.get(0));
    Toast.makeText(this, "Correct", Toast.LENGTH_SHORT).show();
}
}
else if (result.get(0).matches("ضرالا تلزلز اذا") ||
"اهلاقثا ضرالا تجرخ او اهلازلز ضرالا تلزلز اذا" || result.get(0).matches("الارض اثقالها")
|| result.get(0).matches("وقال الانسان ما لها")
|| result.get(0).matches("ضرالا تلزلز اذا") || result.get(0).matches("ضرالا تلزلز اذا")
|| result.get(0).matches("اهلاقثا ضرالا تلزلز اذا") || result.get(0).matches("الارض زلزالها واخرجت الارض اثقالها وقال الانسان ما لها يومنذ تحدث اخبارها بان ربك اوحى

```



```
}
```

5.2. Components, Libraries, Web Services and stubs

5.2.1. Components

- We are specially focused on client satisfaction which we should fulfill
- Our project is designed to fulfill the requirements of the users

5.2.2. Libraries

We can use many libraries in our Android Application.

Some of them are as follow:

- Google text to speech engine

5.3. Deployment Environment

We will deploy our project Android Application on Google play store as beta version and we will enhance our application from user experience and feedbacks and also apply many testing methodologies on the application to improve its performance.

5.4. Tools and Techniques

Platform for this application will be Google play store. This application will be built for Android mobile phones. We made it on Android studio through Java language for backend and XML for interface. Data of this application will be stored on database which is firebase database. Everyone can easily use this application even he or she does not make an account on it. There he will find his mistakes during recitation. So this application will help the peoples to correct themselves while reciting without complexities.

5.5. Best Practices / Coding Standards

Superior coding techniques and programming practices are hallmarks of the professional programmer. The bulk of programming consists of making a large number of small choices while attempting to solve a large set of problems. How wisely those choices are made depends largely upon the programmer's skill and expertise.

5.6. Version Control

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Appendices

Appendix A: Information / Promotional Material

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[Between 4 to 8 lines describe what is this appendix all about]

A.1. Broacher

A.2. Flyer

A.3. Standee

A.4. Banner

A.5. First Level heading [16 pt, Calibri, Bold, Left aligned]

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

A.5.1. Second level heading [14 pt, Calibri, Bold, Left aligned]

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

A.1.1.1. Third level heading [12 pt, Calibri, Bold, Left aligned]

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

Appendix [no.]: Appendix Title

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[Between 4 to 8 lines describe what is this chapter all about]

A.1. First Level heading [16 pt, Calibri, Bold, Left aligned]

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A.1.1. Second level heading [14 pt, Calibri, Bold, Left aligned]

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

A.1.1.2. Third level heading [12 pt, Calibri, Bold, Left aligned]

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

Reference and Bibliography

Reference and Bibliography

- [1] M. Sher, M. Rehman, "*Title of the Paper*" Conference name/Journal Name, Edition, Volume, Issue, ISBN/ISSN, PP, Publisher/City-Country, Year.
- [2]

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[B]

[C]

