



Final Year Project: [YHA MOTORS]

Project ID: FYP-MITM-F19-009

Project Team

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- Problem statement

Traditionally if we want to buy/ sell a vehicle, first we need to visit different showrooms to inspect vehicle of our requirement and ask their prices. This traditional approach limited your search for a required vehicle up to a town or city.

Introduction & Background

Traditionally if we want to buy/ sell a vehicle, first we need to visit different showrooms to inspect vehicle of our requirement and ask their prices. This traditional approach limited your search for a required vehicle up to a town or city.

- Introduction:

YHA motors app offers services that help consumers buy cars, sell cars, or research car purchases. For those looking to buy a car, the site offers listings of new and used vehicles. Sellers can list cars directly for sale to a buyer

Problem Statement

- Traditionally if we want to buy/ sell a vehicle, first we need to visit different showrooms to inspect vehicle of our requirement and ask their prices. This traditional approach limited your search for a required vehicle up to a town or city.

Solution

- YHA motors are providing a platform where people can buy, sell and can check all the prices as well as the comments of others experiences.

Features and Scope

- Signup sign in
- Post car ad Post bike and post accessory
- Certified car
- Cool riders
- buy car, bike and accessory
- View new cars Used bikes and used accessory
- Car finance
- Blog and videos
- comparison reviews and prices
- Auction sheet
- Featured cars
- Find used cars
- Sell It for me
- Car inspection

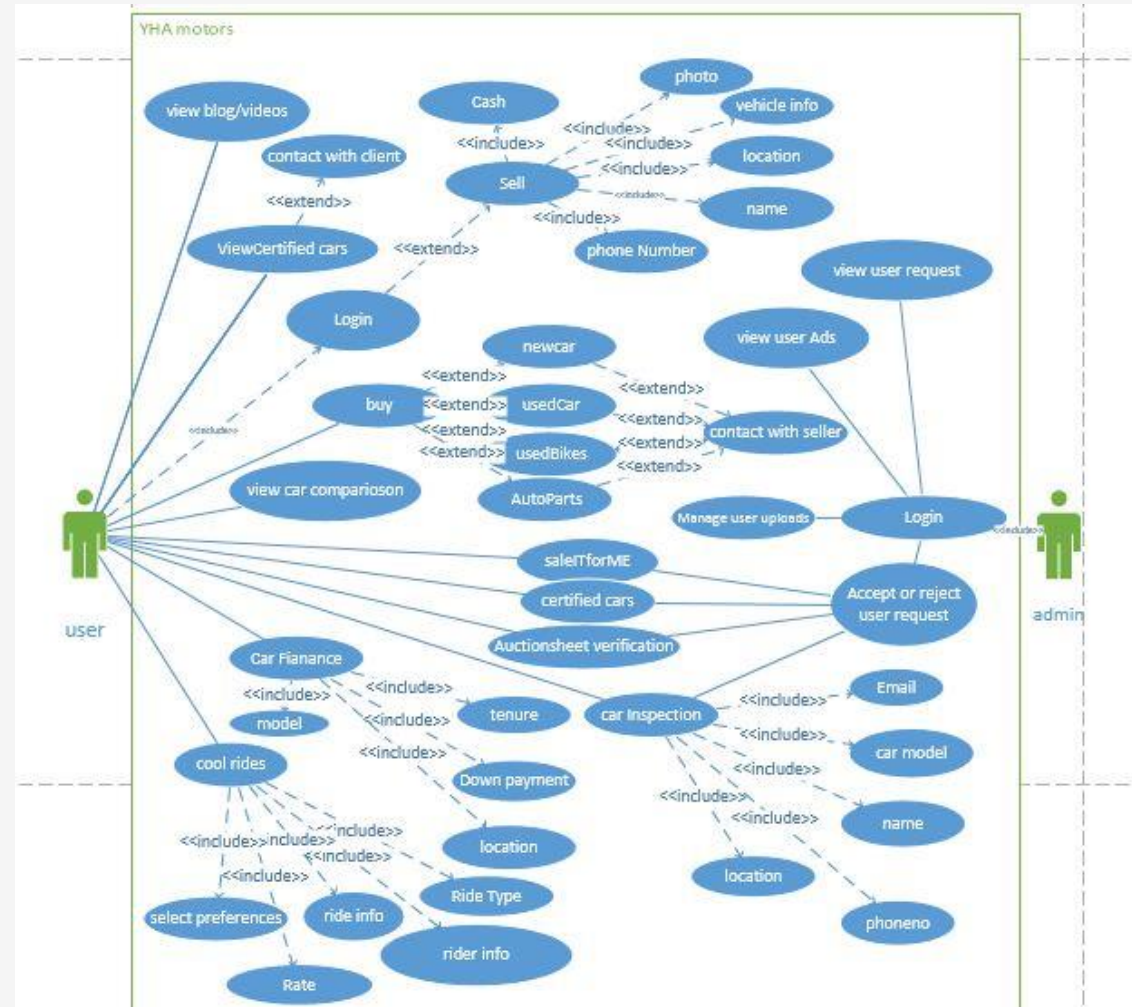
Requirements

- Elicitation Techniques / Tools
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Requirements

- List of Different Users
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 - Owner
 - Customer
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- Use Cases
- Functional & Non Functional Requirements

Use Case Diagram



Functional & Non Functional Requirements

- Signup sign in Certified car Cool riders
- Post car ad Post bike and post accessory
- View new cars Used bikes and used accessory
- Car finance Blog and videos comparison reviews and prices
- Auction sheet Featured cars Sell It for me Car inspection

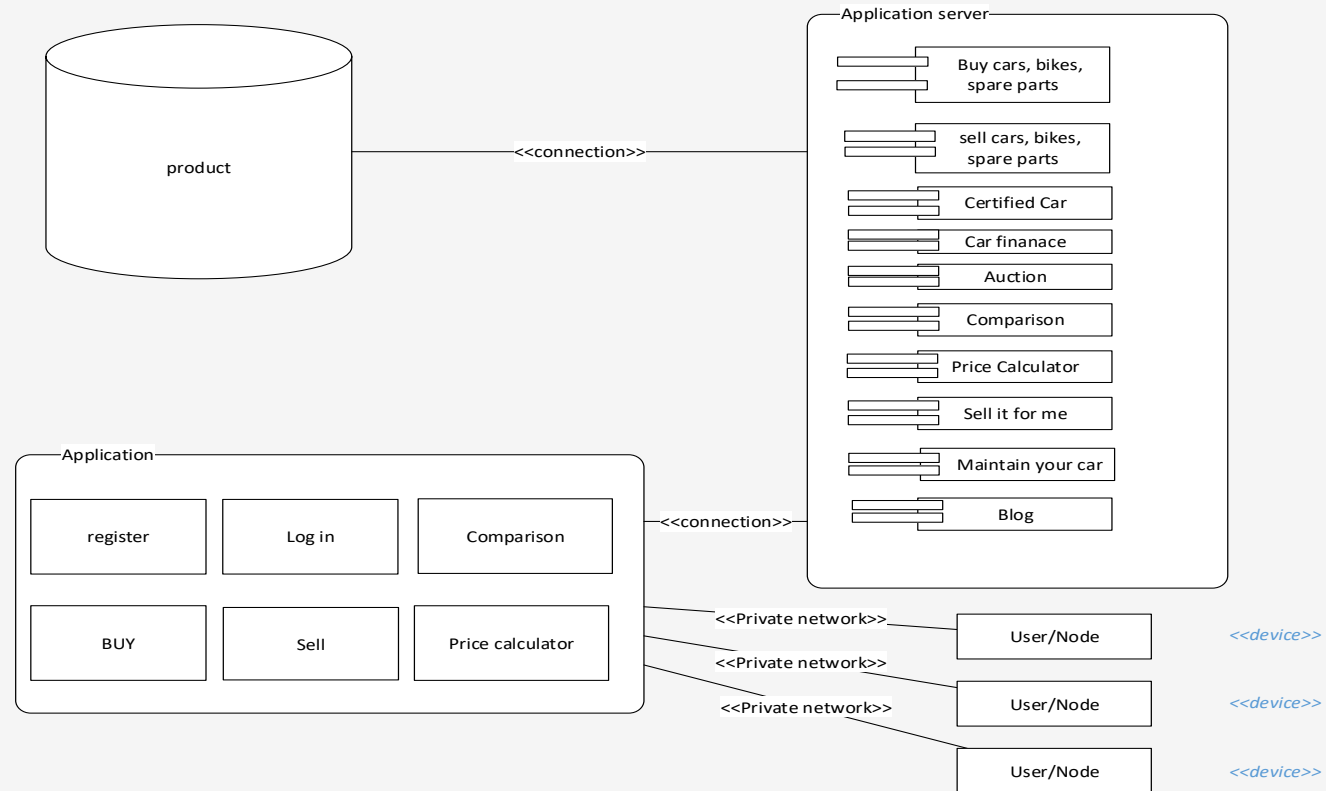
Non Functional Requirements

Time ,accuracy , speed , reliability , availability

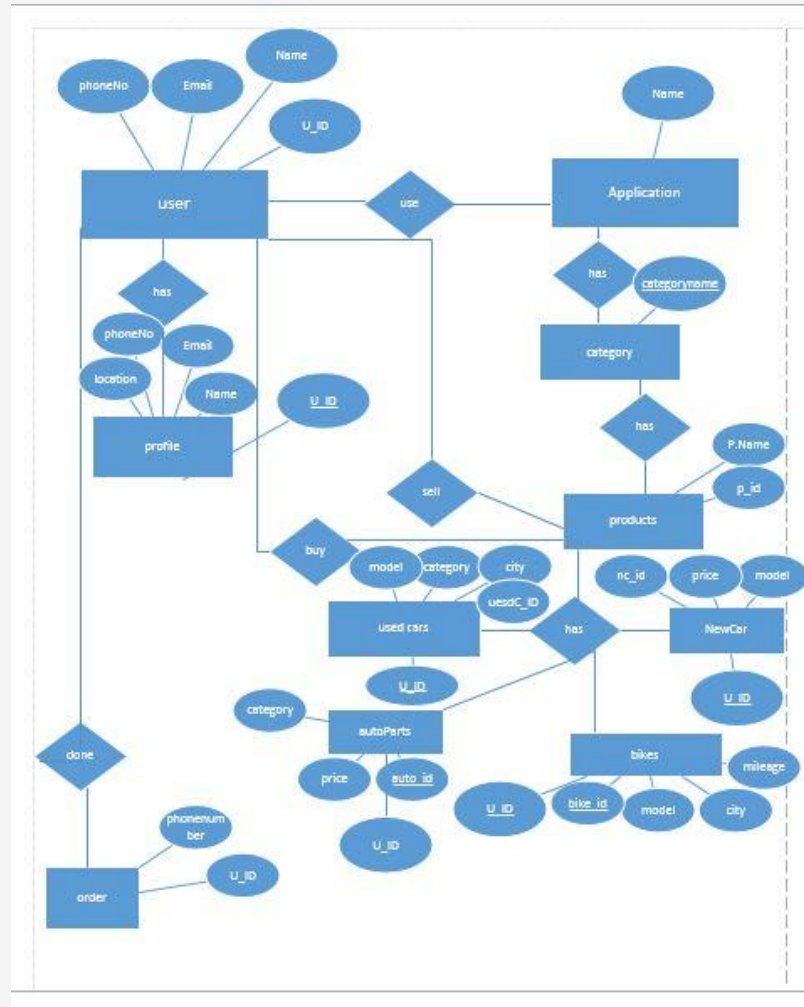
System Design

- Architecture Design
- Entity Relationship Diagram
- Class Diagram
- Sequence / Collaboration Diagram
- Activity Diagram

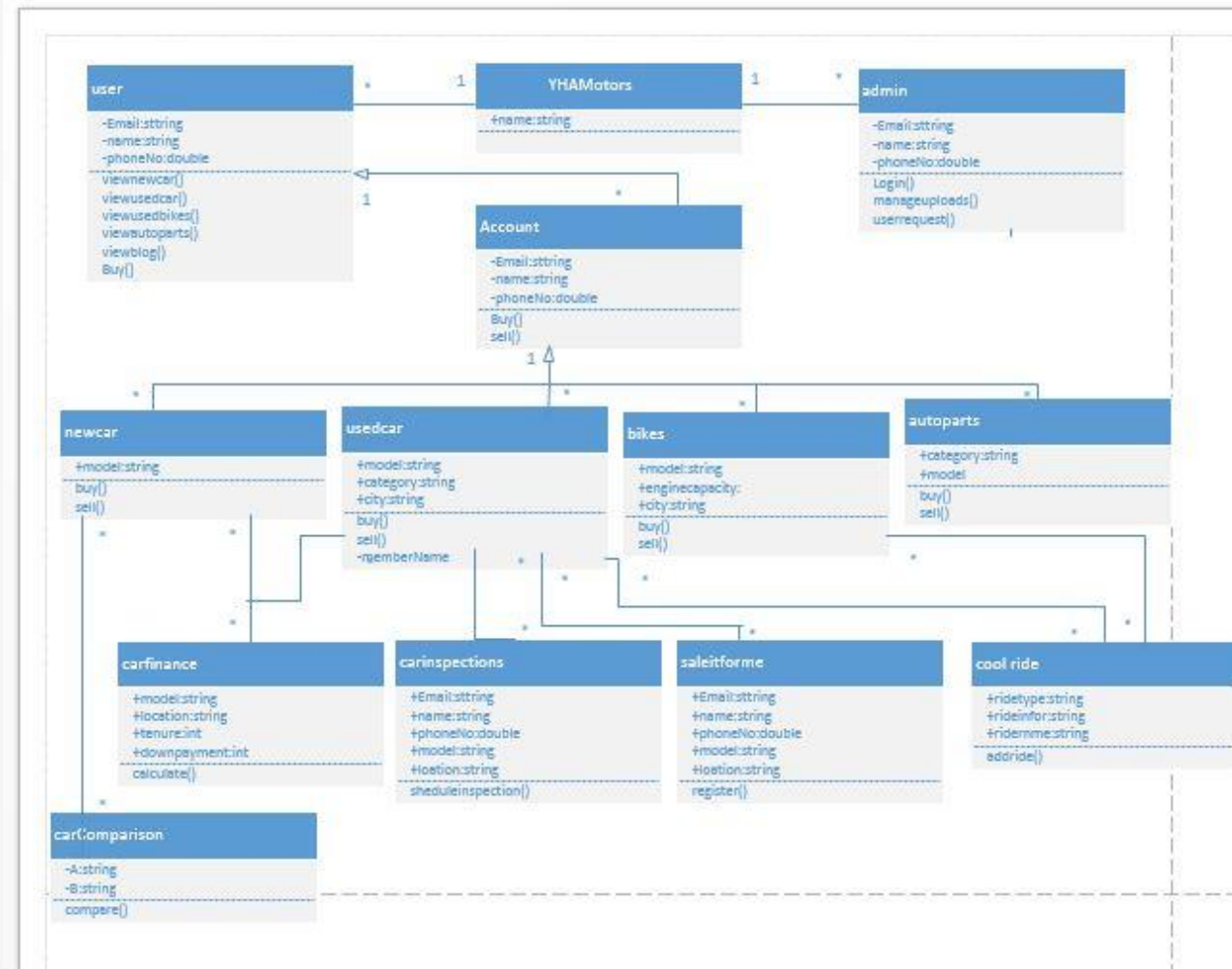
Architecture Design



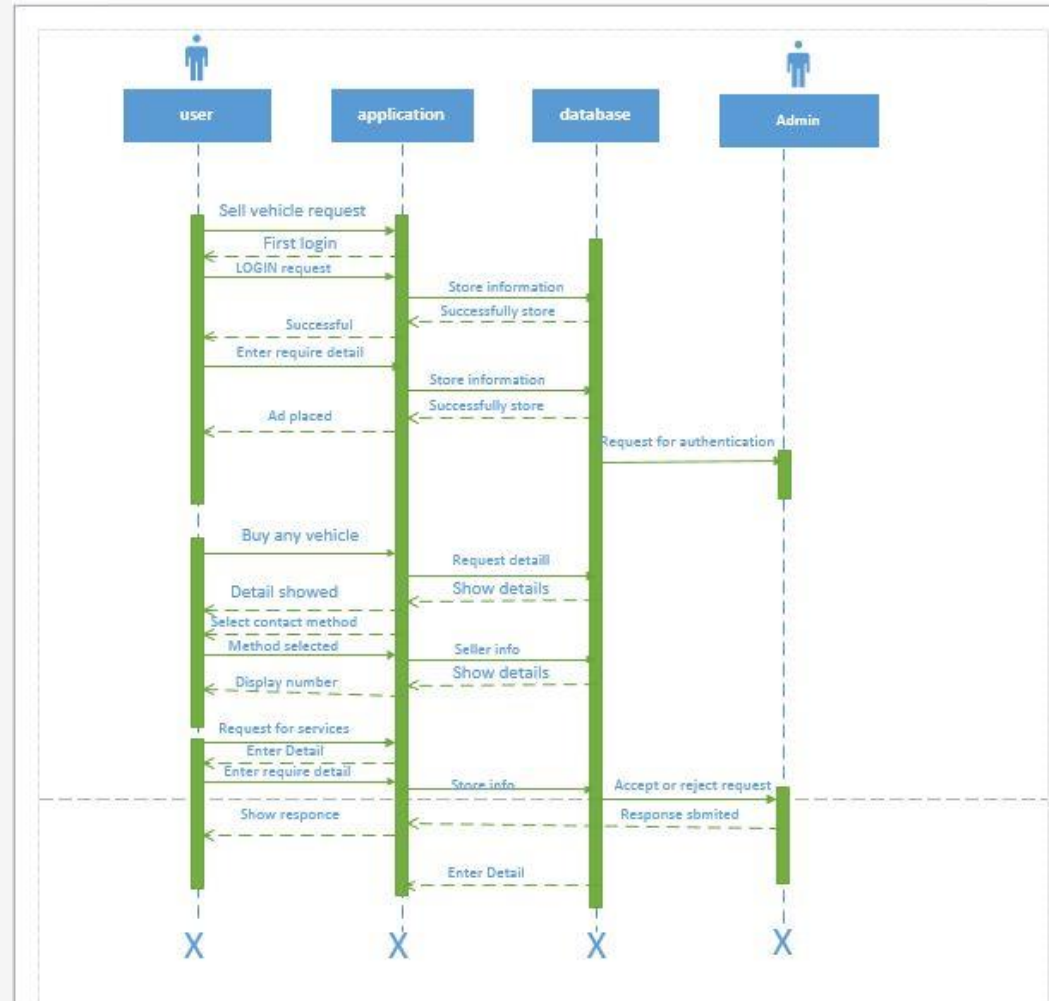
Entity Relationship Diagram



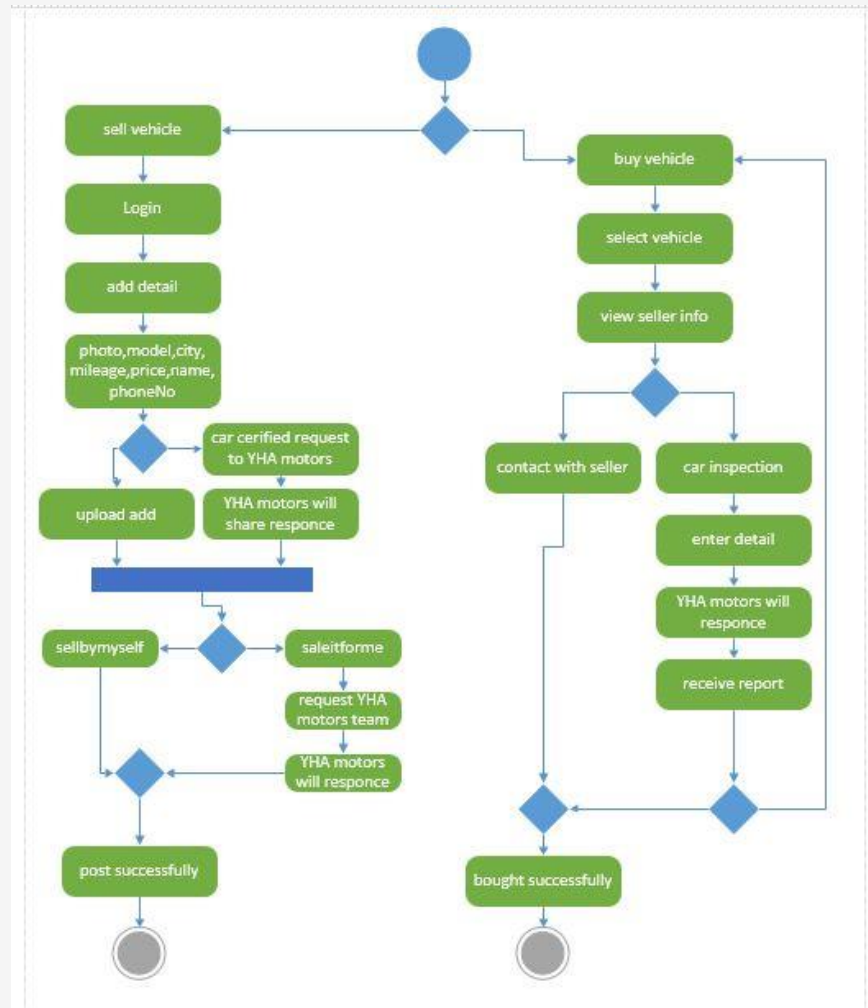
Class Diagram



Sequence / Collaboration Diagram



Activity Diagram



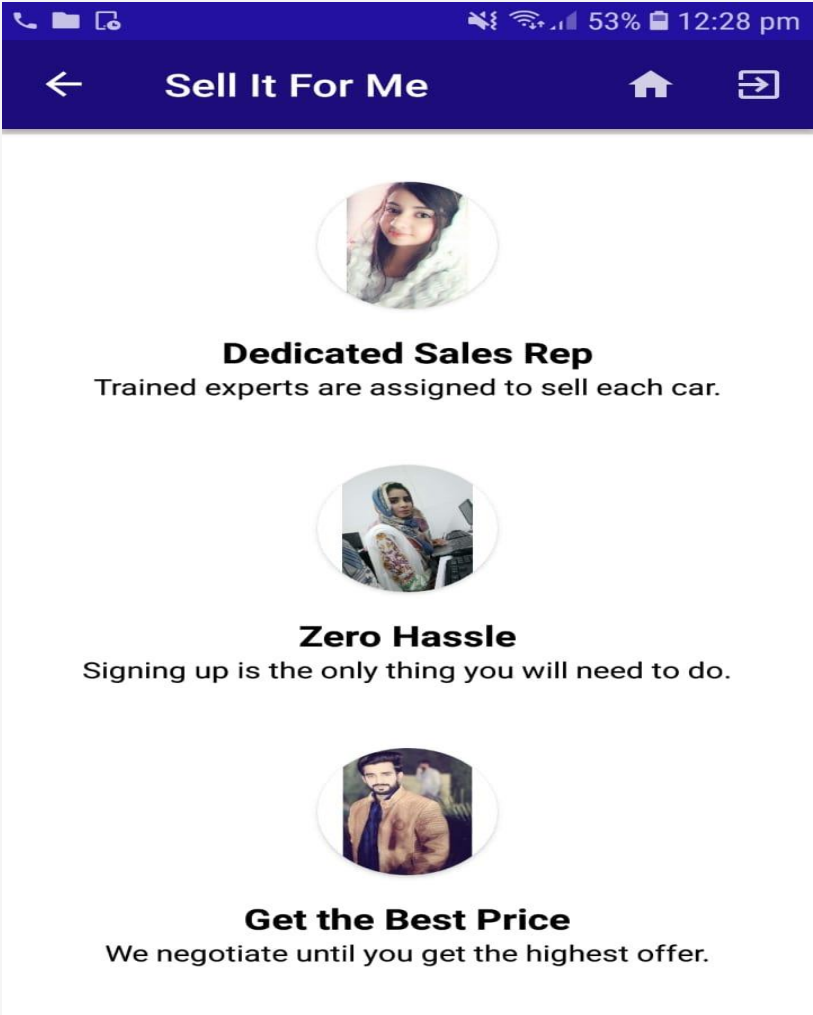
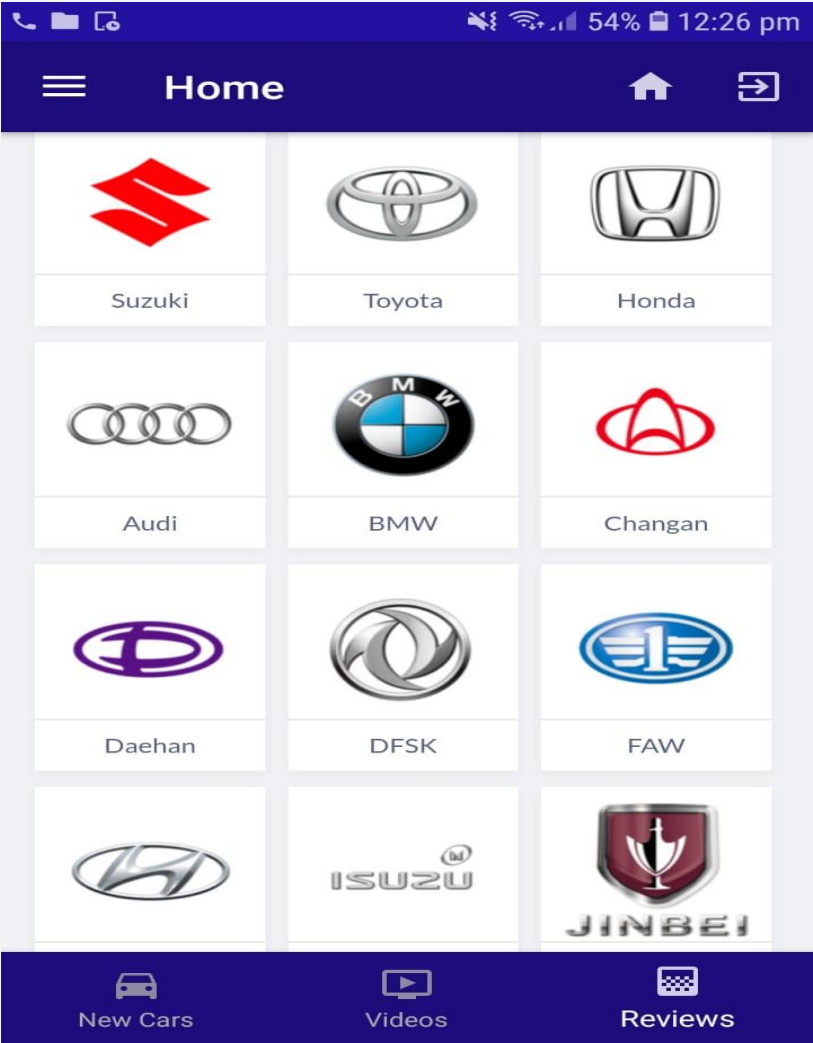
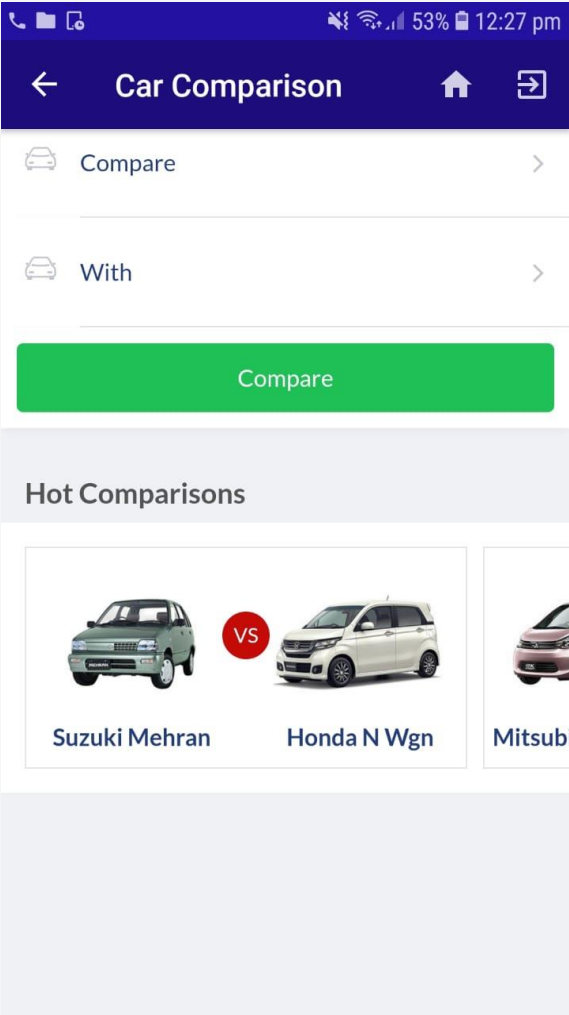
Implementation

- Development Tools & Technologies
- ANDROID STUDIO
- Best Practices / Coding Standards
- XML
- JAVA

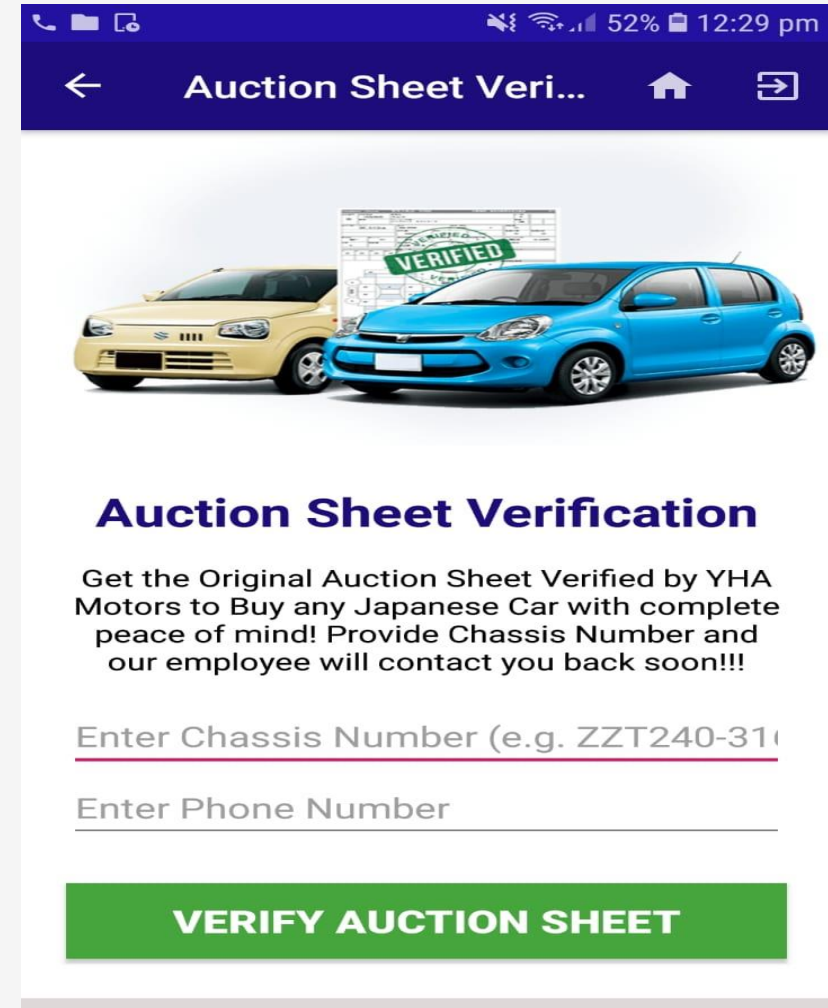
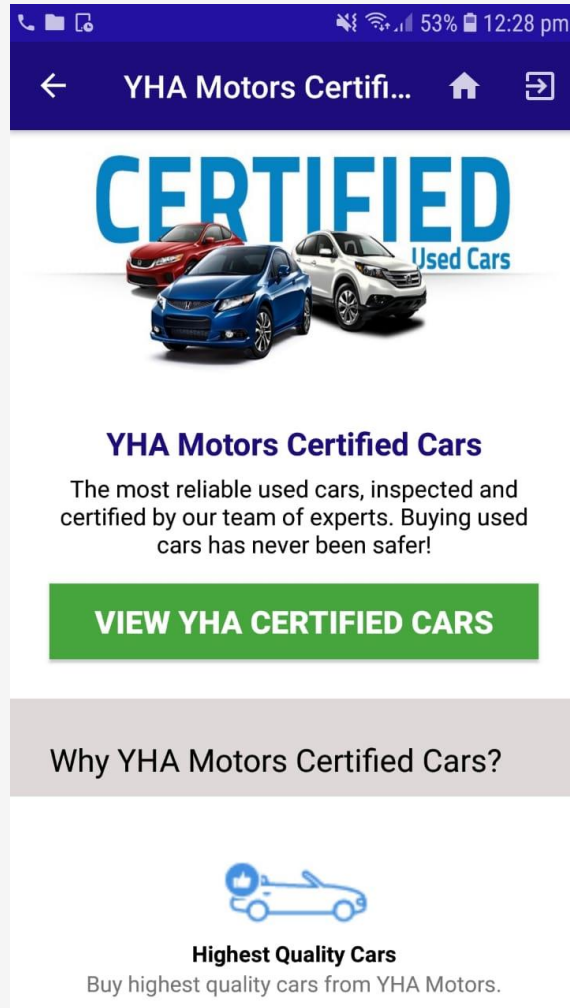
LIBRARIES

- Libraries / Components / Web Servicesimplementation '**androidx.appcompat:appcompat:1.1.0**'
implementation '**androidx.constraintlayout:constraintlayout:1.1.3**'
implementation '**androidx.legacy:legacy-support-v4:1.0.0**'
implementation '**com.google.android.material:material:1.0.0**'
implementation '**androidx.navigation:navigation-fragment:2.0.0**'
implementation '**com.squareup.picasso:picasso:2.71828**'
implementation '**androidx.navigation:navigation-ui:2.0.0**'
implementation '**androidx.lifecycle:lifecycle-extensions:2.0.0**'
implementation '**com.google.firebase:firebase-auth:16.0.5**'
implementation '**com.google.firebase:firebase-firestore:17.1.2**'
implementation '**com.google.firebase:firebase-storage:16.0.4**'
implementation '**com.google.firebase:firebase-database:16.0.4**'
testImplementation '**junit:junit:4.12**'
androidTestImplementation '**androidx.test.ext:junit:1.1.1**'
androidTestImplementation '**androidx.test.espresso:espresso-core:3.2.0**'
implementation files('libs\\YouTubeAndroidPlayerApi.jar')
implementation '**com.google.android.gms:play-services-auth:17.0.0**'
implementation '**com.riyagayasen.android:easyaccordion:1.0.3**'
implementation '**com.facebook.android:facebook-android-sdk:[5,6)**'

Screenshot



Screenshots



Report

- Link to report