

THE SUPERIOR COLLEGE LAHORE



Faculty of Computer Science & IT

Final Year Project

PROJECT REPORT (Part-1)

[Blogger's Portal]

Project ID: [FYP-MCSM-F19-004]

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Project Report

[Blogger's Portal]

Change Record

Author(s)	Version	Date	Notes	Supervisor's Signature
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APPROVAL

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PROJECT MANAGER

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Date: _____

Signature: _____

HEAD OF THE DEPARTMENT

Comments: _____

Date: _____

Signature: _____

Dedication

We dedicate this project report to our family especially our parents and friends who have always been our strength throughout our project. Our teachers who have never left my side and are special, also supported us throughout the process we also dedicate this project to our project supervisor **Mr.Abdul Rehman** who has encouraged and guided us to finish the project successfully on time. All of them have been our best cheerleaders.

"If you believe in yourself and have dedication and pride - And never quit, you'll be a winner. The price of victory is high but so are the rewards". - Paul Bryant

Acknowledgements

In the name of Allah, the Most Gracious and the Most Merciful.

All praises to ALMIGHTY ALLAH, Creator of the Universe, the Powerful Owner of all the World, the Magnificent, the Self Sufficient, the Responder and Answerer of all prayers and the Beneficent.

All our love and respect to the **Holy Prophet Hazrat Mohammad (P.B.U.H)** who guided us in the light of Holy Quran so that we can distinguish between the righteous and the wrong. Alhamdulillah, all praises to Allah for the strengths and His blessing in completing this project.

I would like to thank ALLAH ALMIGHTY for giving me the strength, knowledge, ability and opportunity to undertake this research study and to persevere and complete it satisfactorily. Without his blessings, this achievement would not have been possible. In my journey towards this degree, I have found a teacher, a friend, an inspiration, a role model and a pillar of support in my guide. I would like to thank the Superior University and specially my project supervisor, **Mr. Abdul Rehman** for his support and proper guidance to fulfill my final year project. I offer my sincere appreciation for the learning opportunities provided by the university. This report is completely dedicated to all the people who have helped me directly or indirectly to complete this report.

Executive Summary

We make web platforms for Blog Consulting. Website collect the data of clients and bloggers and list their data on our web. Clients find bloggers of all category and contact them on our website through us. Blogger's portal website provide excellent platform that helps the people to get and do work for each other every day in local communities around the nation. Monetize the platform and get paid by the people on our website after limited time. We make an online blog consulting website where people list their projects.

Keywords: online Blog Consulting, Web platform

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Chapter 1

Introduction

Chapter 1: Introduction

We make an online website where people list their website and product. Online classified ads website that will provide a platform for people to market their services within the local market of the area. Online Classifieds website provides a platform for sellers to list their products for selling online. This is an online ad publishing website. Here sellers can post ads for selling their products with complete details and contact information. The Online Classifieds provides only a platform to the sellers but does not involve directly. It plays a middle man role.

1.1. Background

Bloggers Portal is a place where you can post projects. In Pakistan this will be the first websites where you can post projects for blog consulting only separately. Nowadays, everyone second person using smart phone application as a guide to search for the online working in modern life. This project is a platform on which collected data directly from the users, as a way to implement the concept of the any danger. In other developed countries, most persons access the internet several times per day through computers, laptops and mobile devices such as smart phones, ipads, tablets, etc. At least some of us are online day and night through one or more devices. At the same time an increasing number of people gain access to the internet also in developing countries.

1.2. Motivations and Challenges

Steps involved in motivation are:

- To promote the awareness of buying or find things online without any effort.
- To make sure the people that e-commerce or other online stores is not fraud, which we are list it's for their easiness.
- Clients have the right to accept or reject bids on their projects.
- Give security to build the trust.

The main problems that we facing today are:

- In Pakistan, people do not trust too much trust on website.

1.3. Goals and Objectives

- Attract new audience. ...
- Serve existing community. ...
- Earn influence amplification. ...
- Answer a question. ...
- Contribute to an existing conversation. ...
- Promote a product/service.

1.4. Literature Review/Existing Solutions

There are other some website performing the blog consulting with other hiring projects and providing good plat form to the people of good quality and built trust and without any fraud.

Most of all these websites are performing same feature but having some deferent features so according to these websites they are fulfilling customer needs and seems like they are giving a good solution to customers but here is need to add some extra features.

Cons:

- i. No visual aid
- ii. No map
- iii. Very difficult to locate venues
- iv. No details about venue services
- v. Lacking menus
- vi. Lacks online payment

1.5. Gap Analysis

	Notification system	Live chat	Direct Contact Provider & Seeker	Specific Purpose
Bloggers Portal	YES	YES	YES	YES
Supertasker	YES	YES	YES	NO
Upwork	YES	YES	YES	NO

1.6. Proposed Solution

We are providing ease to the people finding bloggers on simple plat form “Bloggers Portal”.it Provide simple and categorized data and information that saves time. This website keeps the data in a centralized way which is available to all the users simultaneously. It is very easy to find

data in database or website. User wants to save time as much as possible in fulfilling their projects. Most of the time is wasted during the finding bloggers by visiting every online working website to search for the required blogger. This time is saved with bloggers website. This website only shows bloggers that are according to requirement of the user and shows the projects that are required by the bloggers.

1.7. Project Plan

✓ Planning

- Requirement gathering
- Finding functional and non-functional requirement
- Choosing tools and techniques
- Choosing architecture
- People
 1. Project sponsor
 2. Project manager
 3. Project team
 4. End user
 5. Others

✓ Designing

- Front end
- Back end

✓ Implementation

- Coding front end
- Coding back end

✓ **Testing**

- Black box testing
- White box testing
- Gray box testing
- Website testing

Maintenance

1.7.1. Work Breakdown Structure

1. Project Management

- 1.1. Requirements
- 1.2. Roles & Responsibility Matrix
- 1.3. Change Control System

2. Reports / Documentation

- 2.1. Final Documentation Introduction
- 2.2. Literature / Markey Survey
- 2.3. Requirements Analysis
- 2.4. System Design
- 2.5. Implementation
- 2.6. Testing & Performance Evaluation
- 2.7. Conclusion & Outlook

2.8. End User Documentation

2.9. Application Administration Documentation

2.10. System Administrator Documentation

3. System

3.1. Development Environment

3.1.1. IDE

3.1.2. Version Control

3.1.3. Server

3.1.4. Database

3.2. Presentation Layer

3.2.1. Process

3.3. Business Logic Layer

3.3.1. Domain Name

3.3.2. Marketing

3.3.3. Process

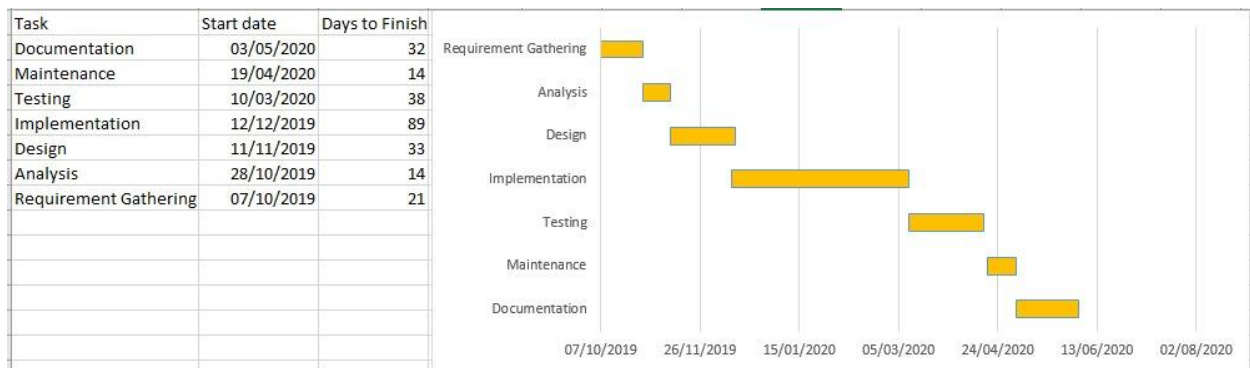
3.3.4. Customer request

1.7.2. Roles & Responsibility Matrix

WBS #	WBS Deliverable	Activity #	Activity to Complete the Deliverable	Duration (# of Days)	Responsible Team Member(s) & Role(s)
1	Project Management	1	Planning/Project Proposal	20	Wajid Wasim/Hamza Sarwar/Usama Iqbal
2	Reports / Documentation		Documentation	60	Wajid Wasim/Hamza Sarwar/Usama Iqbal
3	Design		Testing/System Analyzing	30	Wajid Wasim/Hamza Sarwar/Usama Iqbal
4	Content Producer				Wajid Wasim/Hamza Sarwar/Usama Iqbal
5	Designing		Diagrams	30	Wajid Wasim
6	Admin portal		Coding	30	Wajid Wasim/Hamza Sarwar
7	User portal		Coding	20	Wajid Wasim/Hamza Sarwar
8	Implementation		Implement Code/Testing/Marketing	60	Wajid Wasim/Hamza Sarwar/Usama Iqbal
9	Testing		Testing & Performance Evaluation	30	Wajid Wasim/Hamza Sarwar/Usama Iqbal
10	Maintenance		Search Issue	20	Wajid Wasim/Hamza Sarwar/Usama Iqbal

11	Final Documentation		Ms word,Visio	60	Wajid Wasim/Hamza Sarwar/Usama Iqbal

1.7.3. Gantt Chart



1.8. Report Outline

- Introduction
- Background
- Motivations and challenges
- Goals and Objectives
- Literature Review/Existing Solutions
- Gap Analysis
- Proposed Solution
- Project Plan

- Planning
- Requirement gathering
- Finding functional and non-functional requirement
- Choosing tools and techniques
- Choosing architecture
- People
 - Project sponsor
 - Project manager
 - Project team
 - End user
 - Others
- **Designing**
 - Front end
 - Back end
- **Implementation**
 - Coding front end
 - Coding back end
- **Testing**
 - Black box testing
 - White box testing
 - Gray box testing

- Website testing
- Maintenance
- Work Breakdown Structure
- Roles & Responsibility Matrix
- Gantt chart

Chapter 2

Software Requirement Specifications

Chapter 2: Software Requirement Specifications

2.1. Introduction

2.1.1. Purpose

The main purpose of Blogger's Portal website is to provide customers and blogger's the best platform. User find their blogger on the website and find the blogger bit on the given project on the Website. Clients and bloggers are identified properly and are able to perform online transactions by using credit card or banking documents.

The main purpose of Blogger's Portal website is to provide the same platform to clients and blogger's on the market place with the possibility to perform online work on projects because there is no such a plate on which blogger's of all categories found.

2.1.2. Document Conventions

This document follows Calibri font and font size 12 pt. Bold-faced text has been used to emphasize section and sub-section headings. Highlighting is to point out words in the glossary.

2.1.3. Intended Audience and Reading Suggestions

We are making this document by keeping in mind different types of readers. This document will be useful for different audience in various ways.

Audience	Use
Developers	They will use this document for guidance for design and implementation phase.
Managers	They will see the constraints all cover properly. Time and cost is within limits or not.
Marketing Staff	They can use this document to make advertisements for this marketplace because by reading this document they will know what the system will do? How this system is different from others.
Clients	They can ensure their self by reading the SRS that their needs being met in the marketplace or not.
Testers	They will test the implementation of the project according to the SRS base.
Documentation Writer	They will use this document during the documentation of the project. It will be really helpful for them.

Table 3

2.1.4. Product Scope

The scope of this website is to design and develop a system that is used for the online blogging and connect clients and blogger's in real time by using communication component. This system allows the clients to maintain their project for add or remove on the website, store, or project over the marketplace. The aim of this website is to promote an efficient, user-friendly, time-consuming, safe way for clients for getting their work without any difficulty.

2.2. Overall Description

2.2.1. Product Perspective

To keep in view all reader we will simply describe website functions in which to give client opportunity to upload project and blogger to fulfill the project

2.2.2. Product Functions

This section provides requirement overview of the system. Various functional modules

That can be implemented by the system will be:

Client Functionalities

Client equipped with the following functionalities listed below:

- **Registration:** Login with social media (Facebook, Google+)
- **Interface:** Home screen and Interface.
- **Post Project:** User can post by entering basic details (Add title, images, price approximation, Category, Description etc.)
- **Project:** Detailed description of project must be on the website.
- **Chat:** Chatting via text message with the client for project condition and other project details.
- **Notification:** Popup when being selected by blogger.
- **Accept/Reject Bid:** Client has rights to accept/reject the blogger's offer.
- **Popular Search:** Names will be displayed according to the most widely used projects by various blogger's.
- **Payment:** After receiving payment will update info.
- **History:** Contain the overall info regarding the project and payment.

Blogger's Functionalities

Blogger equipped with the following functionalities listed below:

- **Registration:** Login with social media (Facebook, Google+)
- **User Interface:** Home screen and Interface.
- **Verification:** Needs to verify the detail from Admin for valid client and blogger.
- **View Option:** Name, Profile Picture, School/University, Rating / Review, Number of Projects/Completed.
- **Search Option:** Enter City and press Search Button.
- **Bid:** Blogger needs to place the bid over project being uploaded
- **Category:** Choose content from different category i.e Food Blogging, social media blogging, Travel Blogging, Music Blogging etc.
- **Filter:** Price project range can be selected to view project in our range.
- **Notification:** Blogger will get time to time notification.
- **Chat/Call:** Blogger can chat/Call with seller for negotiation.
- **Payment:** After receiving project(recheck), Invoice is generated, Cash or Online option are available.
- **Experience:** Blogger can describe the experience with the client as per their online chat and meetings.
- **Review and Rating:** Helpful in choosing the right client, Provide project condition as per rating is given.
- **History:** Contain the overall info regarding the project and payment.

Admin Functionalities

Admin equipped with the following functionalities listed below:

- Dashboard of Admin.
- Management of Projects Categories, Sub-Categories.
- Manage projects report over all.
- Management of Clients List, Clients Payments and Clients Package.
- Management of Blogger's List.
- Management of Messaging, Newsletter, Contact Messages between Clients and Blogger's.
- Business Settings, Activation and Deactivation Payment Method.
- Staffs, Staff Permission, All Staff Management.
- SEO Module Integrated.
- Multiple - Language System Integrated.
- Admin Profile Module Integrated.

2.2.3. User Classes and Characteristics

As we know this classified website so the major classes that will be used are customer classes which includes young generation to old peoples and second brands classes will be used mostly form where a customer will be buying the product.

Class	Characteristics
System	It will be the system administrator class. He will maintain the overall website.
Clients	It includes the people who upload their projects on the web.
Login	This class will make login of blogger's and Clients.
Blogger's	People who will bid on the project and save the attributes of project.

2.2.4. Operating Environment

- It will operate on Internet explorer version 8.0 and above called Edge, Google Chrome Mozilla and others.
- Required good speed of Internet Connection at least 1 MB.
- The development is done in Windows 10.

2.2.5. Design and Implementation Constraints

- Major thing in this project is time because it will complete within three months
- We should follow the IEEE standards. we should follow the Agile Process Model.
- Default Language will be English
- Website will follow all the copyright and cyber laws of PTA.

2.2.6. User Documentation

- We will give the complete documentation of the project.
- we make calls for online help.

2.2.7. Assumptions and Dependencies

- User know the English language, so the interface will be provided in English.
- Languages used to develop it are: HTML5, CSS3, Bootstrap, PHP, JavaScript etc.
- Use Code igniter PHP Framework.

2.3. External Interface Requirements

2.3.1. User Interfaces

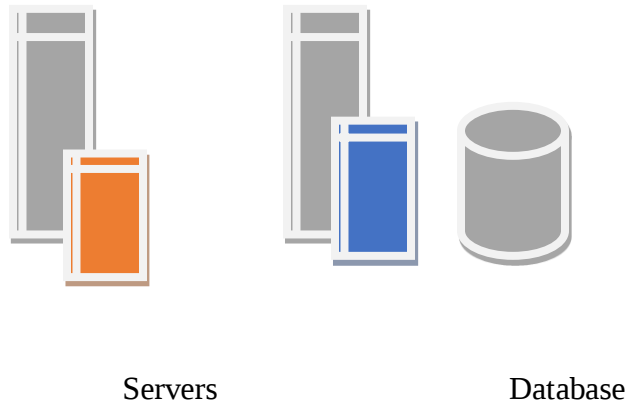
In user interface these GUI Interfaces that are used by buyers and seller are:

- Login Page.
- Generate reports.
- Place bid on project to website or check.
- Manage support.
- Add and remove projects in profile.

2.3.2. Hardware Interfaces

The System must run over the Internet, all hardwares shall require to connect internet will be hardware interface for system e.g. Modem, WAN – LAN, Ethernet Cross

Cable.



2.3.3. Software Interfaces

The system is on server so it requires the any scripting language like PHP, JavaScript HTML, HTML5 etc.

The system also require database to store information of user or any transaction of the system and DNS (domain name space) for the naming on the internet. At the end user need web browser for interact with the system.

- **Operating system:**

Window

Android

IOS

- **Web Browser:**

Internet Explorer

Mozilla Firefox

Google Chrome

Opera

- **Tools:**

Notepad++, Sql, Visual Studio

- **Languages:**

HTML, CSS, Php,

2.3.4. Communications Interfaces

My project is about blogging web. Where blogger's and clients can contact with each other and all the data stored in database and also monitoring the whole communication to stop the fraud. Blogger and client all user email or phone number list on their profile. Communications with phone or email or other social media networks.

- Email
- Phone
- Skype
- Whatsapp

2.4. System Features

In system features, I will use the use-cases of different pages i.e. is sign-in, sign-up, add website, projects, delete website, stores, projects and search the projects.

2.4.1. System Feature 1

Use case

Use Case Name	Sign in
Actor	User
Purpose	To signup user.
Overview	This use case tells us that how the user will be sign in the web.
Pre-condition	1)The internet connection is working. Server is not Down. 2) User already sign up for web.
Post-condition	Customer successfully sign in.

Table 1

Typical Course of Events

Actor Action	System Response
1)User request for sign in page.	System will generate the page.
2) User will fill the required fields.	System will check whether filled are correctly or not.

3)User will be sign in for web.	Welcome to the Blogger's Portal
---------------------------------	---------------------------------

Table 2

Alternate Course of Events

Actor Action	System Response
1) The user filled unformatted information.	System gives error message.
2)Server is down so form did not reach to database server.	System gives error message.

Table 3

Use case

Use Case Name	Signup
Actor	User
Purpose	To signup user.
Overview	This use case tells us that how the user will be sign up in the web store.
Pre-condition	The internet connection is working. Server is not down.

Post-condition	Customer successfully signup.
-----------------------	-------------------------------

Table 4**Typical Course of Events**

Actor Action	System Response
1)User request for sign up page.	System will generate sign up the page.
2) User will fill the required fields.	System will check whether filled are correctly or not.
3)Customer will be sign up for web.	Thanks For Sign Up

Table 5**Alternate Course of Events**

Actor Action	System Response
1) The user filled wrong information.	System gives error message.
2)Server is slow so form did not reach to database server.	System gives error message.

Table 6

Use case

Table 7

Use Case Name	Add a project
Actor	Client
Purpose	Writing blog on food
Overview	This use case is used for writing blogs in the web.
Pre-condition	User should avail the add project subscription.
Post-condition	project is added in the web.

Typical Course of Events

Actor Action	System Response
1) Login in to system	Confirm login
2) Select category of the project	Search required category
4) Fill project details.	Store the project information in the database
5) Confirm the project	Publish on the project page

Table 8

Alternate Course of Events

Actor Action	System Response
1a) If no account then signed up.	Open sign up page
2a) Require category is not there. Make new category	Make new category.

Table 9

Use case

Use Case Name	Delete a project
Actor	Client
Purpose	Delete an project
Overview	This use case is use to del the project in the web.
Pre-condition	User should avail the add project subscription
Post-condition	project is del in the web.

Table 10

Typical Course of Events

Actor Action	System Response
---------------------	------------------------

1) Login in to system	Confirm login
2) Select category of the product	Search required category
4)Delete the project.	Project content will remove from web store. Page is also deleted.
5)Confirm the delete.	Prompt the message that project is deleted.

Table 11

Alternate Course of Events

Actor Action	System Response
1a) If no account then makes an account.	Open Sign Up Page
2a) Require category is not there.	Make new category.

Table 12

2.4.1.1. Description and Priority

Open a registration and identification page for blogger's is a main front feature of the website because this feature makes this website different from other website. It has following steps

- Click on the registration/Identification button
- Fill the form
- Accept terms and conditions of the websites
- Click on submit button

2.4.1.2. Stimulus/Response Sequences

User Receive confirmation message or error message from the server/Admin.

2.4.1.3. Functional Requirements

This section includes the open functionality in details

- By clicking open website register button User will go on registration form for open register page.
- By filling the all form user will click on submit and will be wait till until his request to add or bid on the project is accepted by website's admin

2.4.2. System Feature 2

This Section includes description and priority.

2.4.2.1. Description and Priority

This is main feature of the website because this is the feature for what website is made For because user will use website for place his bid and he will use frequently this Function. It includes following steps

- Choose project
- Click on bid button top on the project displayed
- Select required payment and fulfilling date
- Click on bid button

2.4.2.2. Stimulus/Response Sequences

List the sequences of user actions and system responses that stimulate the behavior defined for this feature. These will correspond to the dialog elements associated with use cases.

2.4.2.3. Functional Requirements

- This section includes the bid on project functionality in details
- By clicking on bid button on chosen project blogger will go on details of the project and will select the required payment and days within he will do the project.
- By selecting all options after clicking bid button customer will lead to project accept-ion or rejection by the client if accepted the blogger got project work successfully.

2.4.3. System Feature

2.4.3.1. Description and Priority

This is important functions for website to be receive feedback from user so that

Website can be modified according to user feedback it included feedback field and

Press submit Button to send feedback.

2.4.3.2. Functional Requirements

This section includes the feedback functionality in details

write feedback in comments box and click on send.

2.5. Other Nonfunctional Requirements

2.5.1. Performance Requirements

- You will be sign in within a sec depending on internet speed.
- If anybody make new account then he will receive confirmation email within 5 minutes.
- Search results shown within sec depending on internet speed.

- Credit card validate within sec.
- Support maximum user logged at the same time

2.5.2. Safety Requirements

We will try the best to make store or project safe.

2.5.3. Security Requirements

- Online classified website will validate credit cards against fraud.
- Online website keep the information of the blogger's and clients safe.
- Online website obeys all the security laws of Pakistan relating to cyber traffic.
- The commission decided between user and administrator will not be published.

2.5.4. Software Quality Attributes

- **Usability**

The online website interface will be user-friendly by providing the user instruction on the spot and easy to use.

All website pages colors and fonts will be consistent.

- **Availability**

The system will be available 24 hours a day and 7 days a week with the help of internet connection.

- **Reliability**

The database of the system will be able to handle maximum users without delay time and failure.

The system will perform corrective action on user demand.

- **Portability**

The user login on the system will be in windows.

The user code is host 100% independent.

The system can be used on a different device like mobile, laptops etc.

- **Correctness**

The system using algorithms to complement user requirement will be correct.

- **Maintainability**

The server and client side scripting will be well maintained according to the user requirement.

- This website is easy to use.
- It will be easy to learn and how to operate it.
- This website use Standard English so that user cannot confuse with terms.
- This website should be easy to upgrade.

2.5.5. Business Rules

There are some business rules here like

- On website user have to accept the bid on his project that he provide to customer on his own behalf and will not do any fraud with the project requirement.
- Another role is for customer if he is not a registered member he won't upload his project.
- The system only works when an internet connection is available.

2.6. Other Requirements

I think we have covered all requirements for our website so we don't have to add additional requirement.

Following are the other requirements for this SRS

- Technical
- Economical
- Motivational

Chapter 3

Use Case Analysis

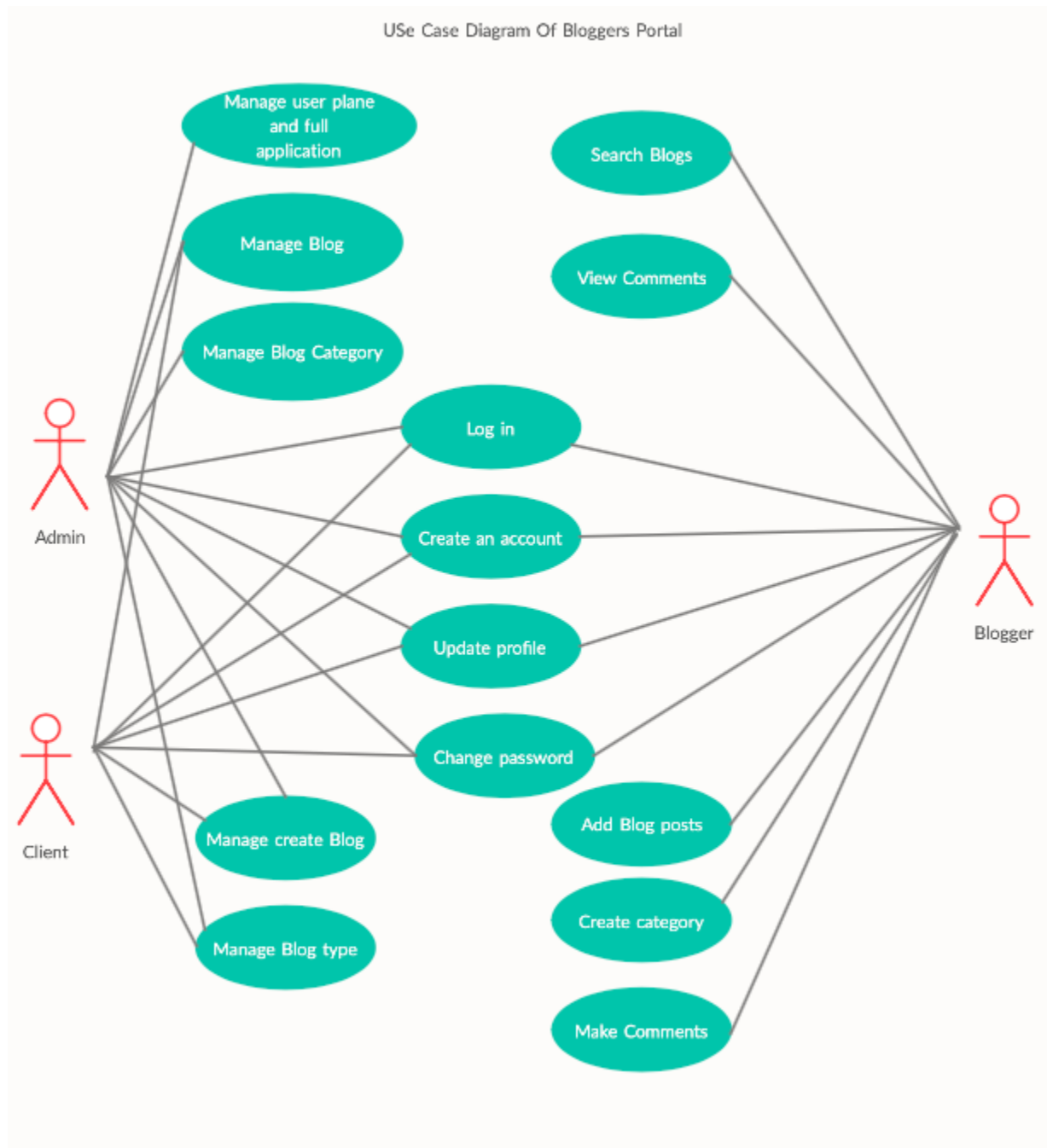
Chapter 3: System Analysis

This chapter describes the system analysis and models of our online system. Here we describe that how the system behaves on user interactions with the system. These models tell us how the user interacts with the system and what the sequence of activities that occur as the software is used

3.1. Use Case Model

Level 0	Level 1	Level 2
---------	---------	---------

Bloggers Portal	Registered Clients/Bloggers	Login
		Upload project/bid on project
		logout
		Place project/bid
		Send feedback
		help
	New Client/blogger	Signup
		Place project/bid
		help



3.2. Fully Dressed Use Cases

1. Use Case: login

Primary Actors: User and Admin

Goal in context: To go on home page of the website and perform their actions

Precondition:

1. User or Admin should have an account

Triggers: User and Admin needs to perform their actions

Scenario:

1. Open website link
2. Click on login button placed at navigation bar
3. Enter authentic user name and password
4. Click on login.

Exception: User name or password can be wrong or forgotten

2. **Use Case:** Sign up

Primary Actors: User and Admin

Goal in context: create an account successfully

Precondition:

1. Click on website link
2. Click on join us button at navigation bar

Triggers: User and Admin needs to create an account on website

Scenario:

- 1 Open website link
- 2 Click on join us button placed at navigation bar
- 3 Fill complete sign up form
- 4 Click on sign up

Exception: User or admin can enter wrong data in form fields

3. **Use Case:** Upload Project

Primary Actors: Client

Goal in context: to register his project on the website and sell his project

Precondition:

1. Logged in
2. Have project ID

Triggers: User and Admin needs to perform their actions

Scenario:

1. Click on bid project button place at navigation bar
2. Fill the needed requirements in form
3. Accept term and conditions of the website
4. Click on submit

Exception: Blogger can enter wrong information and can miss any fields to fill

4. **Use Case:** place Bid

Primary Actors: Blogger

Goal in context: place bid to fulfill the categorized projects

Precondition:

1. Blogger select the project
2. Describe skills
3. Qualification
4. Add required amount
5. click on bid button

Triggers: Blogger needs to bid on the projects

Scenario:

1. Open website link
2. Click on bid now button place on the project displayed
3. Describe skills
4. Qualification
5. Add required amount
6. Click on bid button
7. Fill the form
8. Click on submit

Exception: Invalid address or information filled in form

5. Use Case: cancel bid

Primary Actors: Client

Goal in context: Client wants to cancel bid on his project that he was received

Precondition:

1. Project hired

Primary Actors: Client

Goal in context: Client wants to upload projects.

Precondition:

1. Logged in
Chooses projects
3. Click on upload projects button
4. Click on confirm button

Triggers: Client upload project successfully

Scenario:

1. Chose upload project
2. Select category of project

3. Click on upload button

6. Use Case: accept request (place bid)

Primary Actors: Admin

Goal in context: To accept the request from blogger to place bid

Precondition:

5. Logged in
6. Designation should be admin

Triggers: Request are accepted or declined

Scenario:

5. Open website link
6. Click on login button placed at navigation bar
7. Enter authentic user name and password
8. Click on login
9. Click on view request
10. Click on accept or decline

Exception: Admin can accept wrong request by mistake or decline request by mistake

7. Use Case: manage records

Primary Actors: Admin

Goal in context: To manage records (update, delete, insert) and manage transaction of records

Precondition:

1. Logged in
2. Designation admin
3. Click on manage records

4. Select specific records
5. Make changes in it

Triggers: Admin is need to manage records and can make changes

Scenario:

1. Open website link
2. Click on login button placed at navigation bar
3. Enter authentic user name and password
4. Click on login
5. Click on manage records
6. Select specific records
7. Make changes
8. Click on save

Exception: Admin can delete or update wrong records by mistake or can delete all records by mistakes.

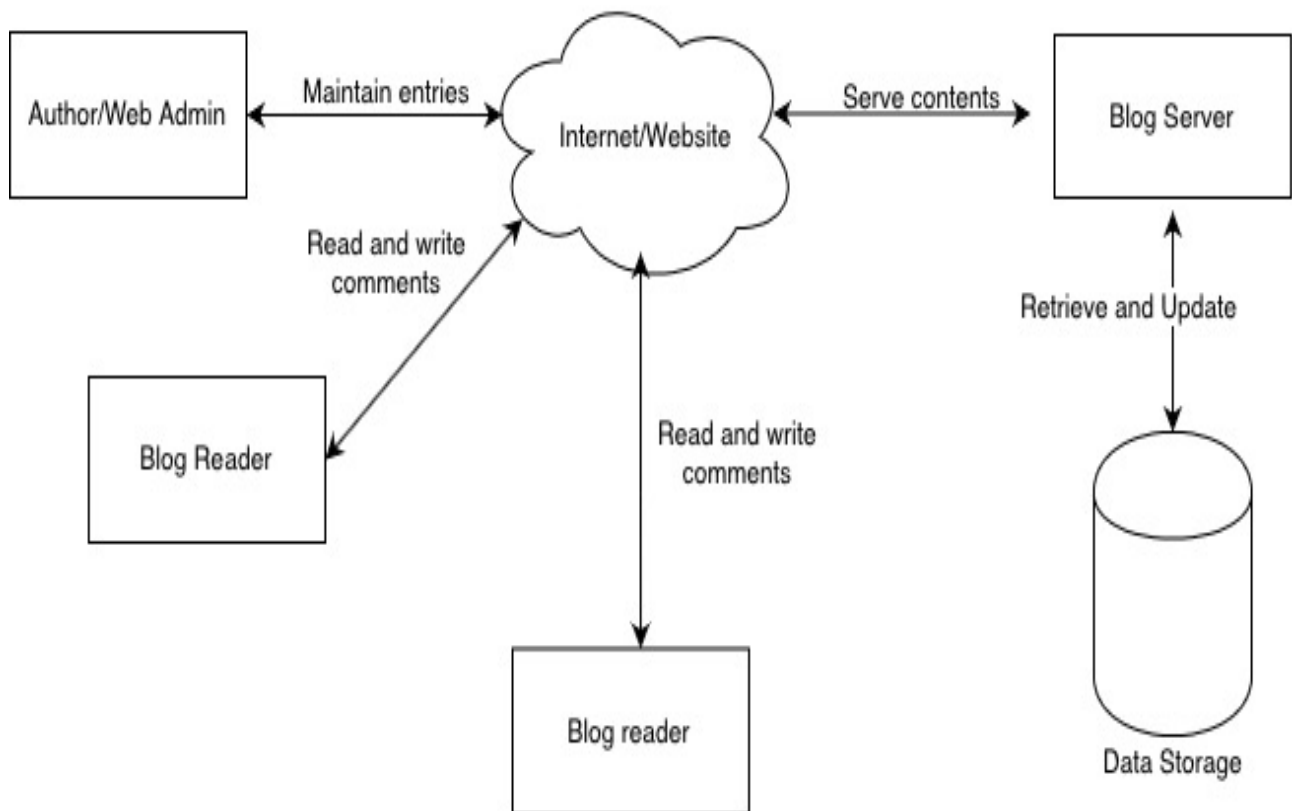
Chapter 4

System Design

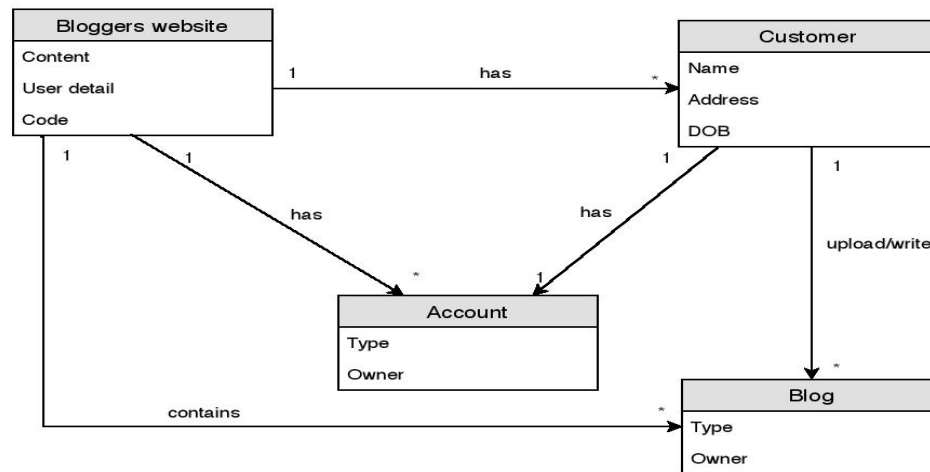
Chapter 4: System Design

This chapter describes about the system of our website. It will include the different types of diagrams. System design shows how the system interacts with its modules to the user and also a developer. Team can easily identify an error in the system before deploy to the end user. There are eleven different diagrams of software

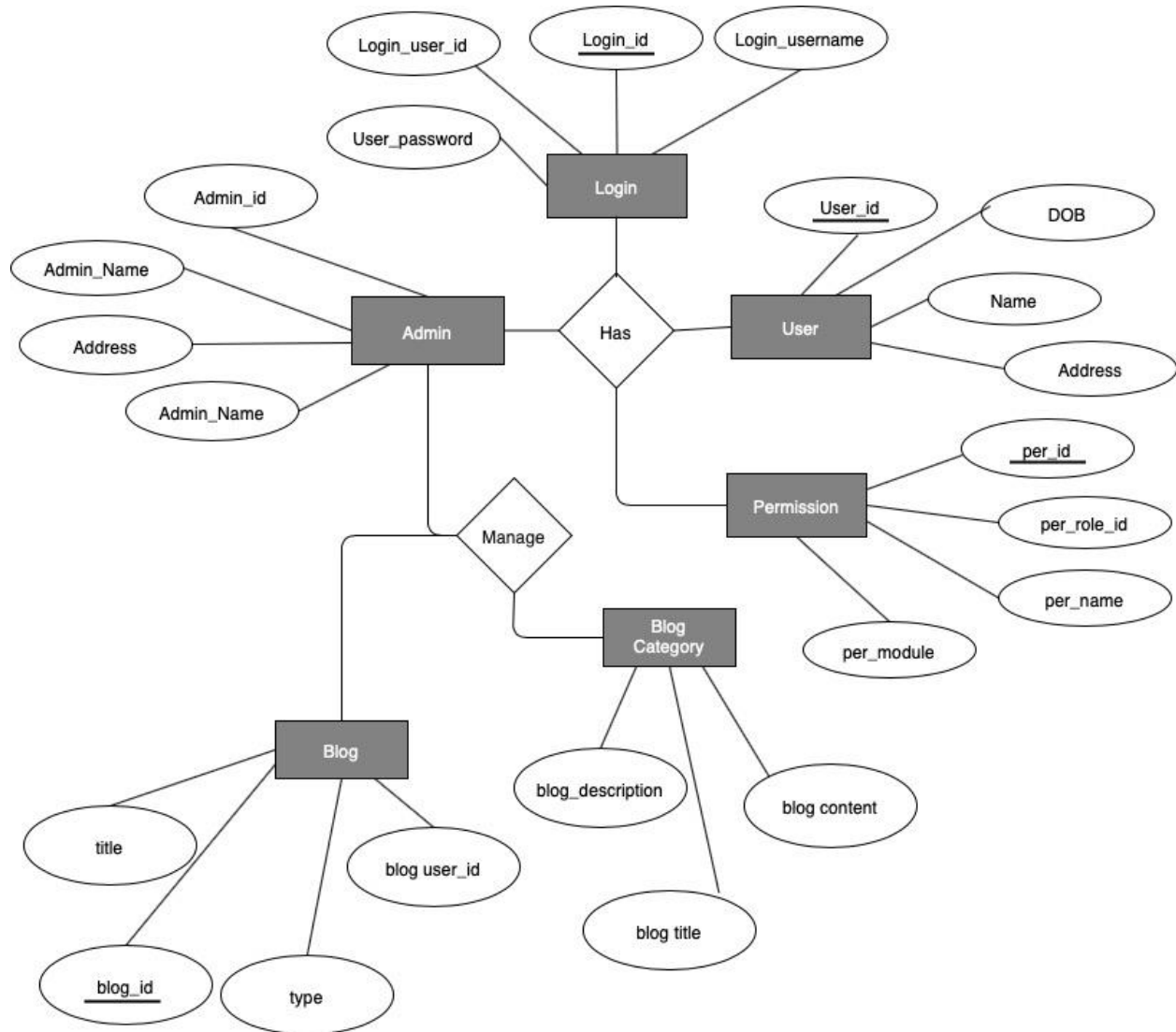
4.1. Architecture Diagram



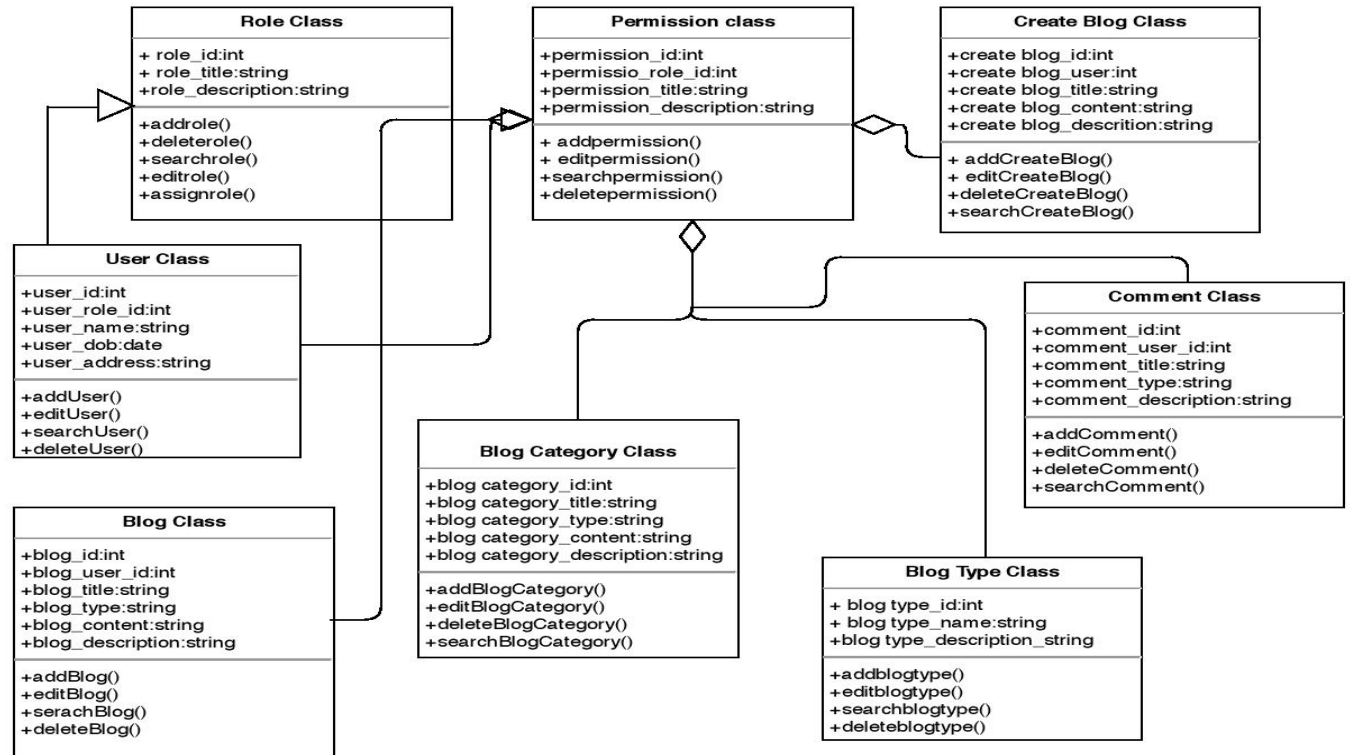
4.2. Domain Model



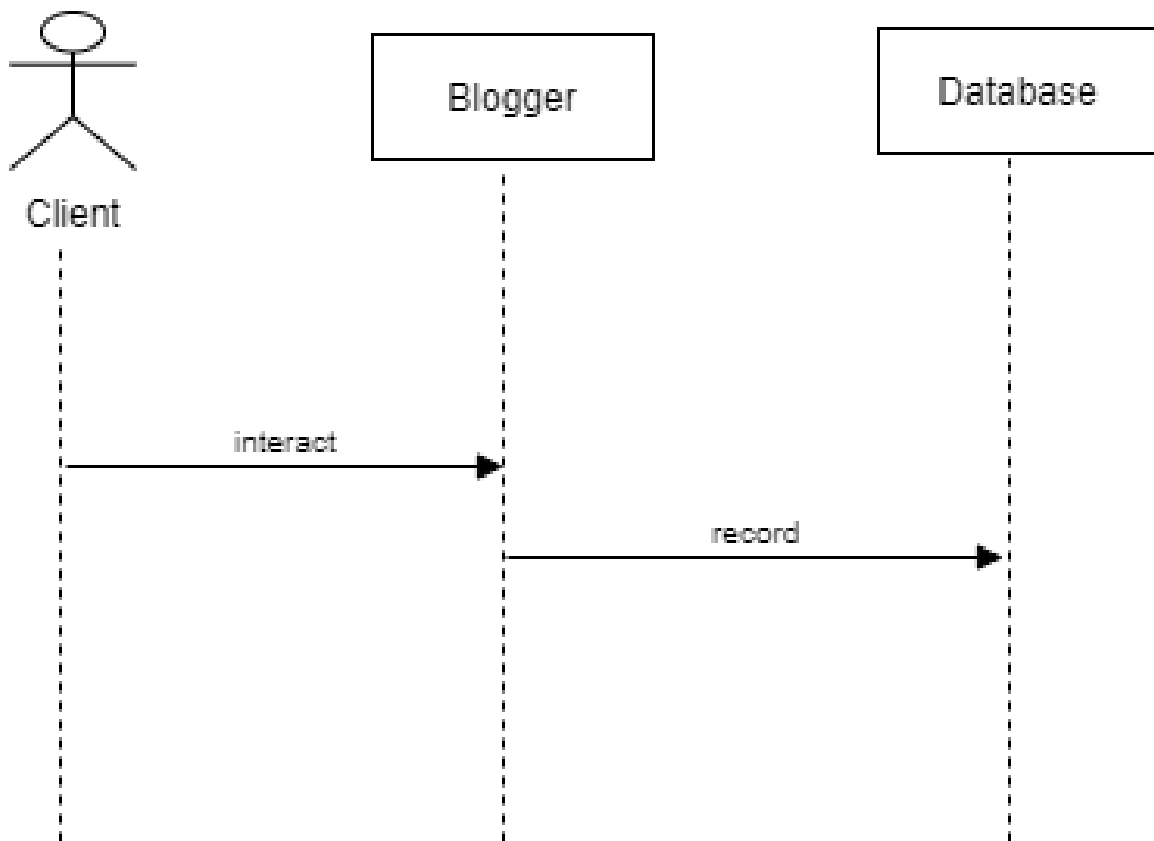
4.3. Entity Relationship Diagram with data dictionary

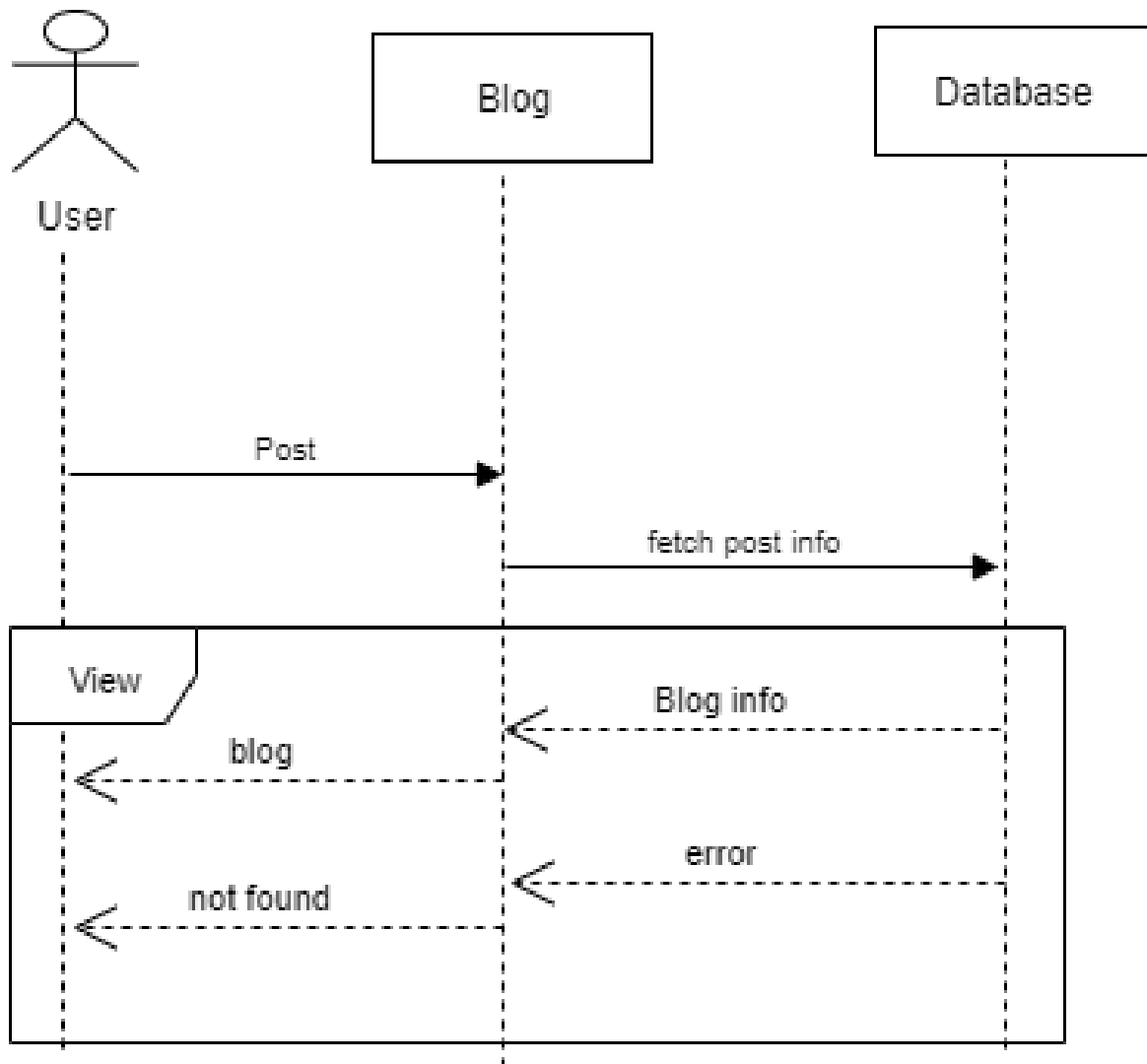


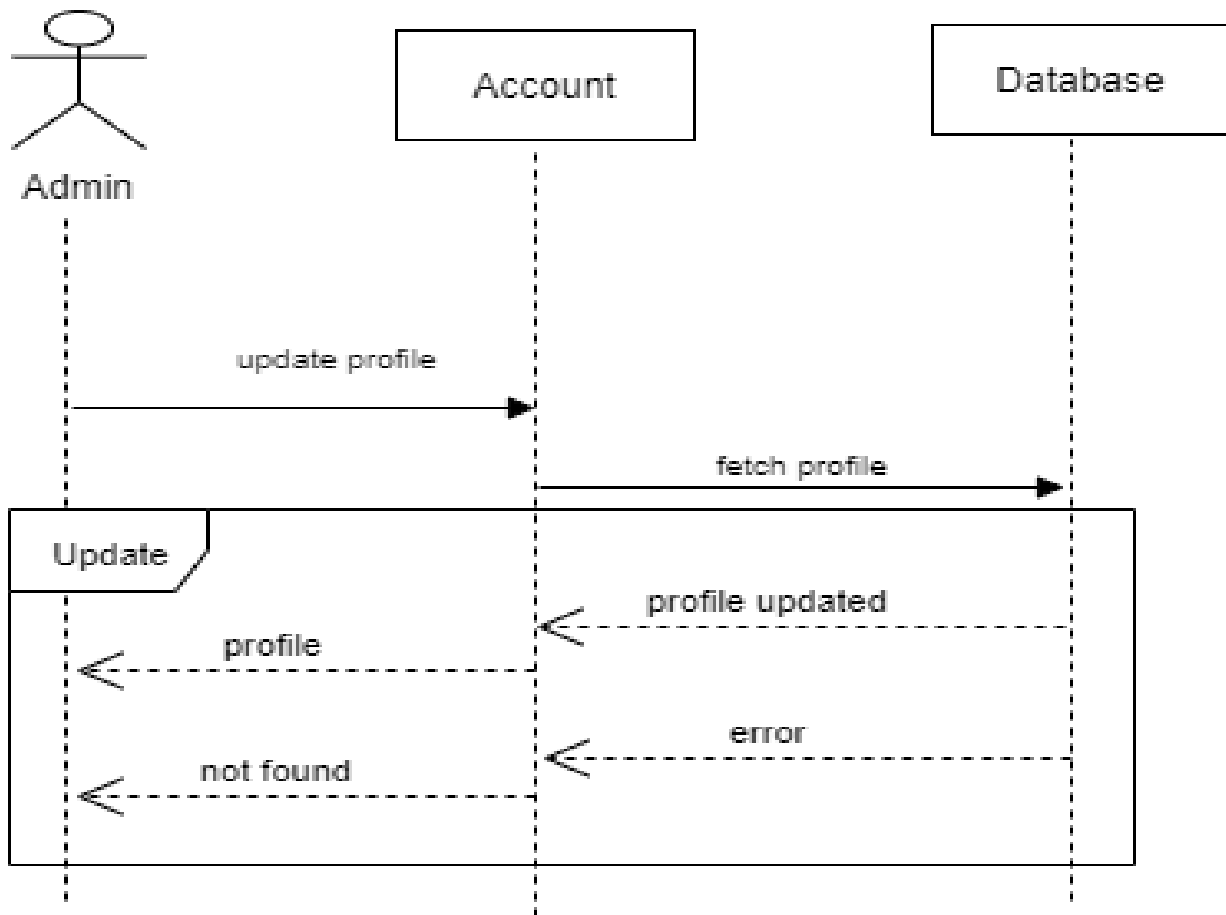
4.4. Class Diagram

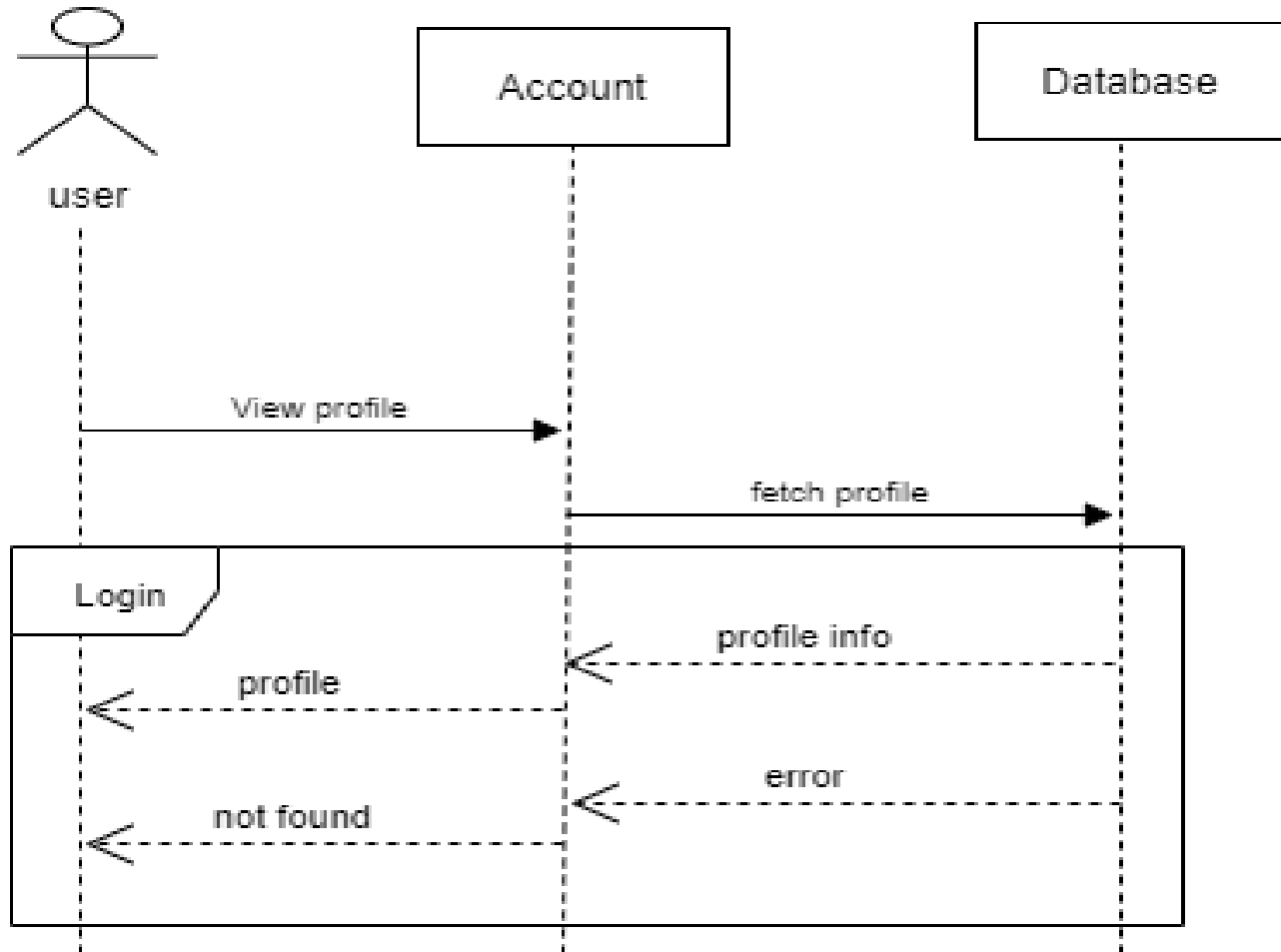


4.5. Sequence / Collaboration Diagram









4.6. Operation contracts

1. Register

<u>Headings</u>	<u>Sub-Headings</u>	
Operations		Register()
Cross-Reference	Use-Case	Registration, View Profile
	Scenario	Registration
Pre-Conditions		N/A
Post-Conditions	Instantiation	An instance “A” of Account was created. An instance “C” of Customer was created.
	Attribute Modification	A.Id becomes ID. A.Name becomes Name. R.CN becomes CN A.Address becomes Address. A.CNIC becomes CNIC. A.PW becomes PW
	Association	A was associated with Customer.

2.Login

<u>Headings</u>	<u>Sub-Headings</u>	
Operations		Login()
Cross-Reference	Use-Case	Login, View Profile
	Scenario	Login
Pre-Conditions		N/A
Post-Conditions	Instantiation	An instance “A” of Account was created. An instance “C” of Customer was created. An instance “a” of Admin was created. An instance “M” of Manager was created.
	Attribute Modification	A.Id becomes ID. A.PW becomes PW

	Association	A was associated with Admin. A was associated with Customer. A was associated with Manager.
--	-------------	---

3.Add Project

<u>Headings</u>	<u>Sub-Headings</u>	
Operations		Add-projects()
Cross-Reference	Use-Case	Add Projects, View Projects
	Scenario	Add Projects
Pre-Conditions		Manager should be logged into the system
Post-Conditions	Instantiation	An instance “P” of Products was created. An instance “M” of Manager was created.
	Attribute Modification	P.id becomes id. P.name becomes name. P.category becomes category P.stock becomes stock. P.price becomes price.
	Association	P was associated with Manager.

4.View information and project

<u>Headings</u>	<u>Sub-Headings</u>	
Operations		View_Cart()
Cross-Reference	Use-Case	View Cart
	Scenario	View Cart
Pre-Conditions		Customer should be logged into the system Customer must add products to cart to be able to view them
Post-Conditions	Instantiation	An instance “Cart” of Cart was created. An instance “C” of Customer was created.
	Attribute Modification	N/A
	Association	Cart was associated with Customer.

5.Confirm Bid

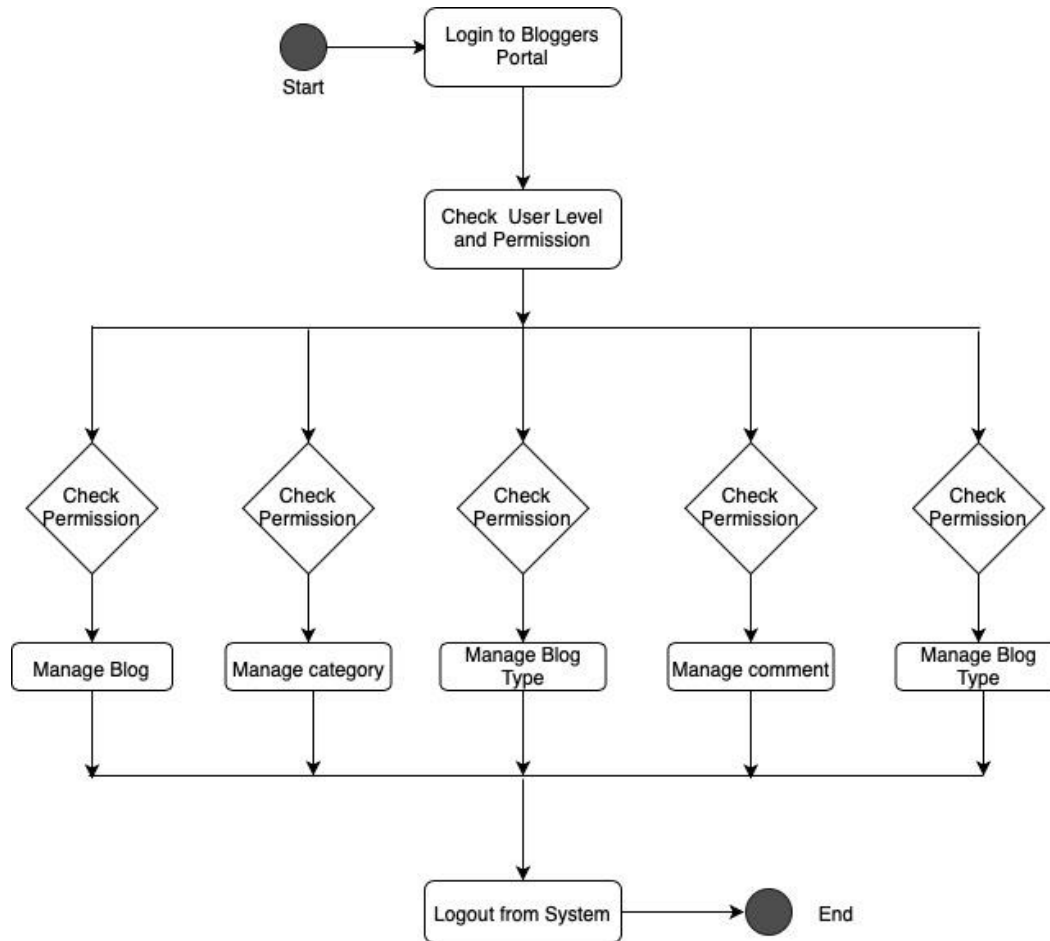
Description	Sample Data	Expected Result	Actual Result	Status
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Confirming Bid				
Click Confirm Bid option		Bid Confirmed on cart page		
Failure situation Click Confirm Bid		Displays error Bid is not confirmed		

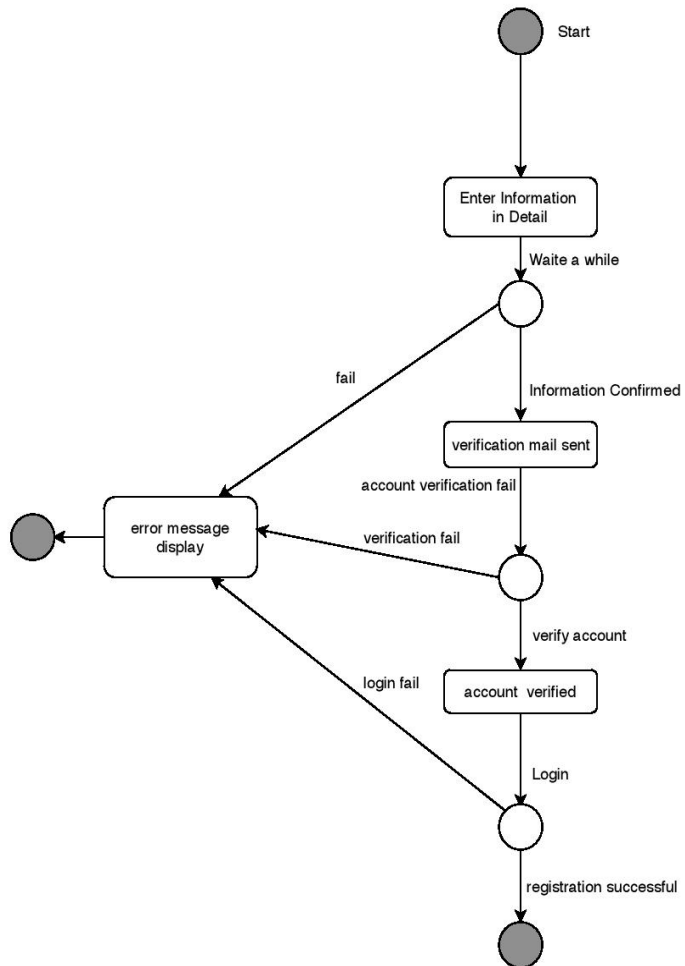
6.Permission

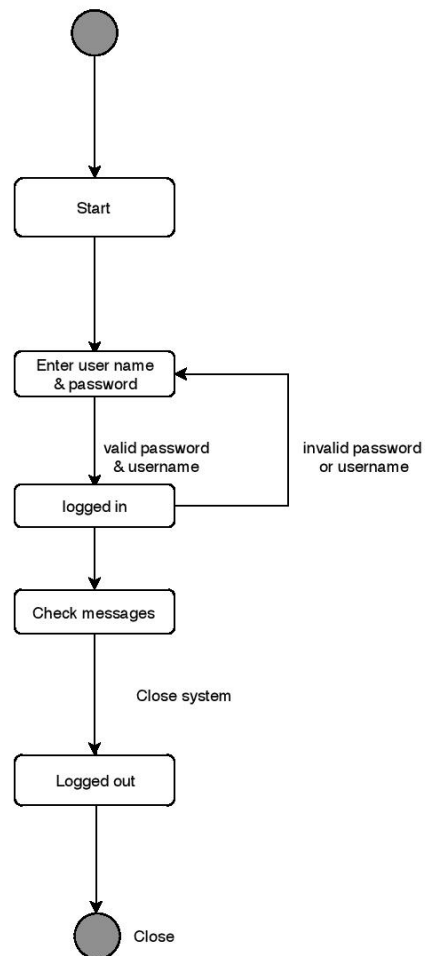
<u>Headings</u>	<u>Sub-Headings</u>	
Operations		Permission()
Cross-Reference	Use-Case	Permission
	Scenario	Permission
Pre-Conditions		Manager should be logged into the system
Post-Conditions	Instantiation	An instance “Permission” of Permission was created. An instance “M” of Manager was created.
	Attribute Modification	Permission.Id becomes id.
	Association	Permission was associated with Admin.

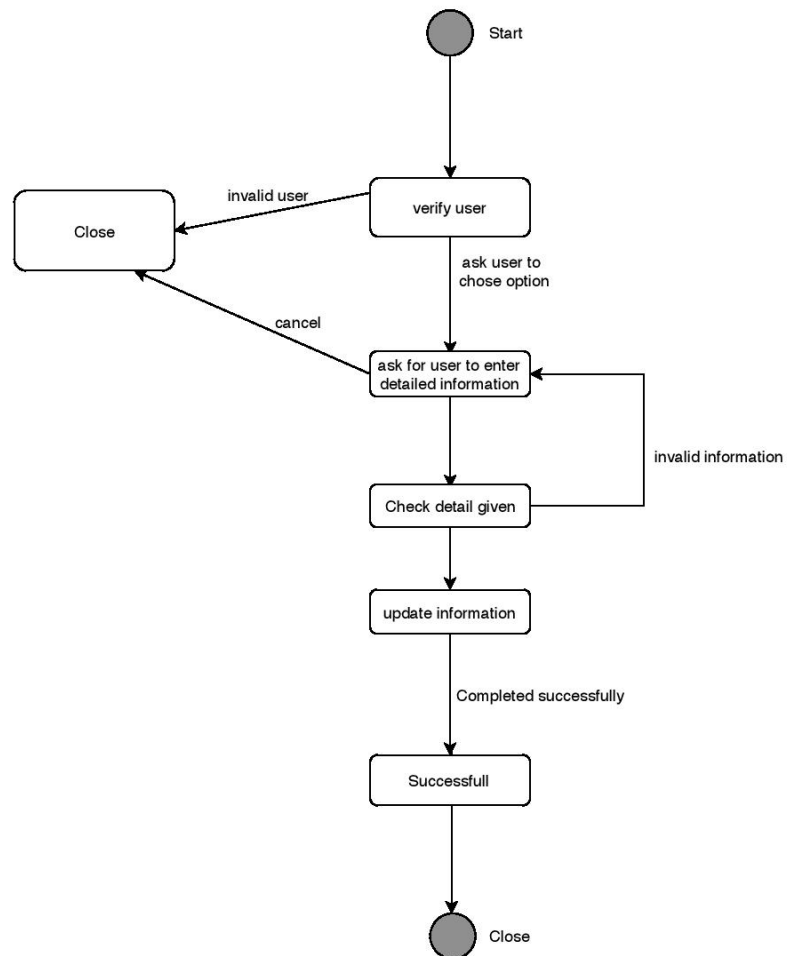
4.7. Activity Diagram



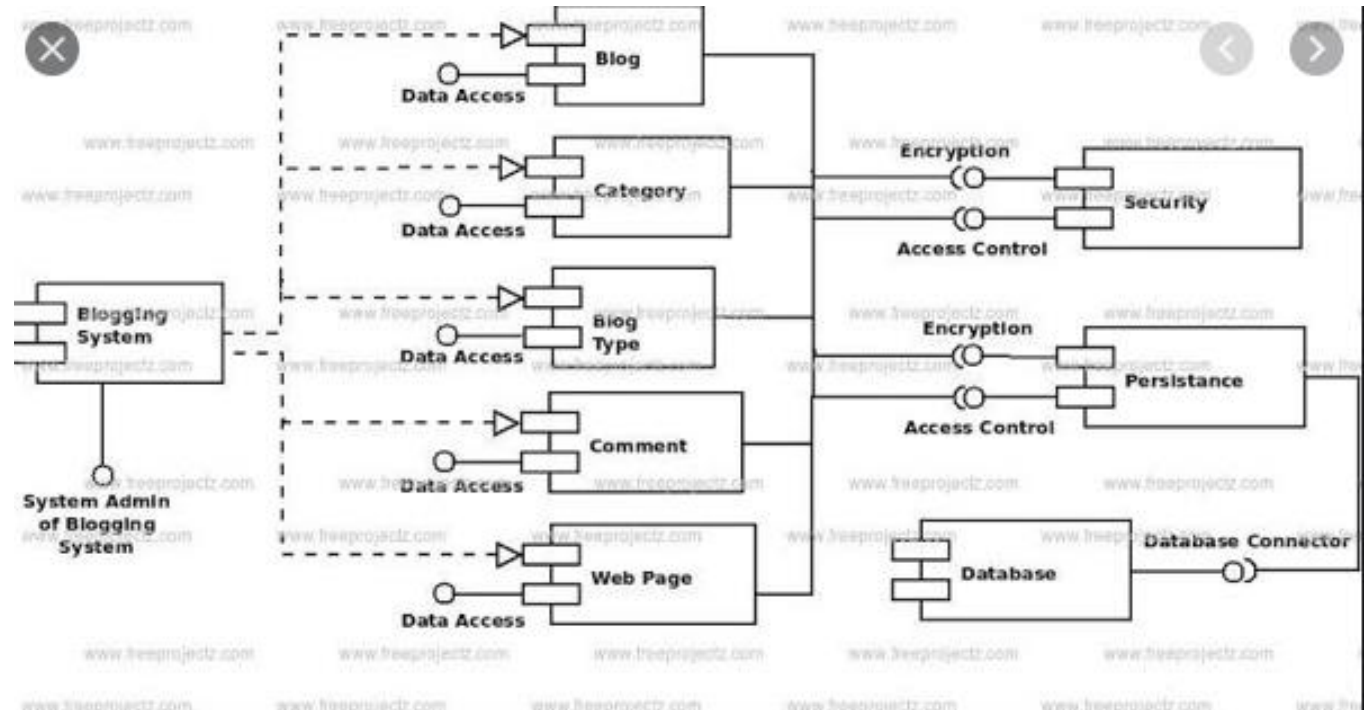
4.8. State Transition Diagram



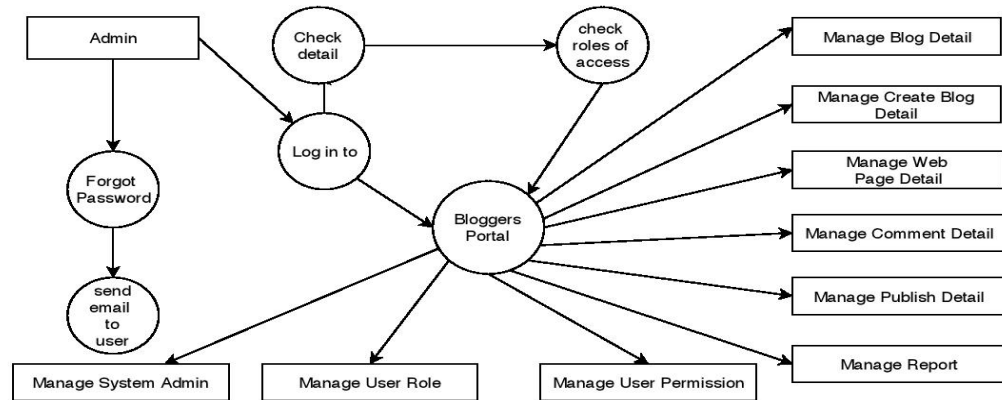




4.9. Component Diagram



4.10. Data Flow diagram



Chapter 5

Implementation

Chapter 5: Implementation

A crucial phase in the system life cycle of the successful implementation of the new system design, Implementation simply means conveying a new system design into operation. This involves creating computer-compatible files, training the operating staff and installing hardware, terminals and telecommunication networks before the system is up and running. A critical factor in conversion is not disrupting the functioning of the organization. In system implementation, user training is crucial for minimizing resistance to change and giving the new system a chance to prove its worth. Training aids, such as user friendly, manuals, a data dictionary, job performance aids that communicate information about the new system and “help” screens provide the user with a good start on the new system

5.1. Important Flow Control/Pseudo codes

Sign in Page

If email and password validate

Login enable

If user authorize

Login successfully

Else

Error show

Else

Login disable

Sign up page

If first name, last name, date of birth, email, password, gender fill

Enable register

If click

Register successfully

Else

Show about error

Else

Disable register button

Reset Page

If email exist

Rest Password send by email

Else

Show error account not exist

5.2. Components, Libraries, Web Services and stubs

Login

Sign up

Reset password

Platform for blogger and reader

blogger can post

member can view blogs

Can view bids

Hire active blogger

member can view post

Can bid on post

Can view proposal

Can view active orders

5.3. Deployment Environment

In our project we will use xampp Localhost html css.

5.4. Tools and Techniques

Tools

- Brackets
- XAMPP Server
- My PHP Admin
- SQLI
- Notepad
- Notepad++

Technology

- Html
- CSS
- Bootstrap
- JavaScript
- Php

5.5. Best Practices / Coding Standards

- Notepad++
- Brackets
- WordPress

5.6. Version Control

Final documentation version 1

Final documentation 2

Chapter 6

Testing and Evaluation

Chapter 6: Testing and Evaluation

Testing is a process, which reveals errors in the program. To make sure the unavailability of any error or bug, we run a simulation test on the system. Different cases and different types of testing will run to check the system is running well or not. If there is any error during the testing, then provide a solution to outcomes the errors.

Software testing can be stated as the process of validating and verifying that a software program/application/product:

1. Meets the requirements that guided its design and development;
2. Works as expected;
3. Can be implemented with the same characteristics.
4. Satisfies the needs of stakeholders

Use Case Testing Login page testing

Test Case Summary	When User click on login button it must be login and show the homepage.
Prerequisites	User must be on login page and have Email and password
Test Procedure	Verify the user Email and password.
Actual Result	User successful login.
Status	Successful.
Test Steps	1. Navigate the login page 2. Enter the Email 3. Enter the password 4. And click on Log in Button 5. Logout

Test Case Summary	User must be sign up after filling form.
Prerequisites	User must be on sign up page.
Test Procedure	Verify the inputs given in form.
Expected Result	User must be allotted Email and password and navigate to user homepage.
Actual Result	User successful sign Up
Status	Successful.
Test Steps	1. Navigate the sign-up page. 2. Fill up the form. 3. And click on Sign up button 4. Logout

Extensions (Errors)

No.	Step	Description
1-a	Login failed	Login failed if admin enter wrong username System will display an error message
1-b	Login failed	Login failed if user enter wrong password. System will display an error message
2	Registration failed	Registration will have failed if a new user doesn't follow the rules System will display an error message

6.1. Equivalence partitioning

Equivalence partitioning or equivalence class partitioning is a software testing technique that divides the input data of a software unit into partitions of equivalent data from which test cases can be derived. In principle, test cases are designed to cover each partition at least once.

6.2. Boundary value analysis

Boundary testing in the process of testing that is between start point and extreme ends or boundaries between partials of input values.

Login Email

- Email that a person enter in the text box at the time of login must be correct.
- If the Email is not correct, the system must restrict the user at the current page.

Login password

- Password that a person enter in the text box at the time of login must be correct.
- If the Password is not correct, the system must restrict the user at the current page.

Text fields:

- All text fields system has must accept only correct text
- User must add that information which is needed and to the point
- Text fields are name, city, country etc.

Numeric fields:

- The numeric fields must accept only numbers

- Numeric fields are budget, bids.

Email fields:

- Email fields are also available in the website.

Email fields must accept email formats

6.3. Unit testing

Unit testing is carried out screen-wise, each screen being identified as an object. Attention is diverted to individual modules, independently to one another to locate errors. This has enabled the detection of errors in coding and logic.

6.4. Integration testing

This testing strategies combines all the modules involved in the system. After the independent modules are tested, dependent modules that use the independent modules are tested. This sequence of testing layers of dependent modules continues until the entire system is constructed. Though each module individually, they should work after linking them together. Data may be lost across interface and one module can have adverse effect on another. Subroutines, after linking, may not do the desired function expected by the main routine. Integration testing is a systematic technique for constructing program structure while at the same time, conducting test to uncover errors associated with the interface. In the testing the programs are constructed and tested in the small segments

The integration testing of this project is done scene-wise. The components that were previously individually tested are now integrated into one scene and tested to see if they still perform as they should.

integration testing each button

Test case Summary	To verify that all buttons behave as expected
Prerequisites	All button must be rendered.
Test Procedure	Click on each button to see if it performs correctly.
Expected Result	1. Login button should provide you a homepage. 2. Proposal button provide functionality send proposal. 3. Hire button provide functionality of hire worker. 4. Message button should send message. 5. Logout button redirect you on login page.
Actual Result	1. Login button should provide you a homepage. 2. Proposal button provide functionality send proposal. 3. Hire button provide functionality of hire worker. 4. Message button should send message. 5. Logout button redirect you on login page.
Status	Pass
Test Environment	PHP

integration testing for loading scene

Test case Summary	To verify that loading scene with animation shows up when going to next.
Prerequisites	A button that takes user to another scene must be pressed.
Test Procedure	Press each button that takes user to next or previous scene and see if loading scene shows up when the scene is being switched.

Expected Result	1. Loading scene animation should be visible on scene switch. 2. User must be taken to next scene when animation finishes.
Actual Result	1. Loading scene animation is visible on scene switch. 2. User is taken to next scene when animation finishes.
Status	Pass
Test Environment	PHP

integration testing for update button

Test case Summary	To verify that clicking on update button update the data.
Prerequisites	All Update sprites must be rendered.
Test Procedure	Click on each button to see if it performs correctly.
Expected Result	1. Unrecorded data not allow to update data.
Actual Result	1. Unrecorded data not allow to update data. 2. Nothing happens when user is not login.
Status	Pass
Test Environment	PHP

integration testing for interaction component

Test case Summary	To verify that all interaction components behave correctly.
Prerequisites	None.
Test Procedure	Manually check that each interaction component is behaving correctly.
Expected Result	1. Try should be login page. 2. Upon clicking login button, it should be displayed the homepage. 3. When they enter the web, it applies where the user full fill requirement.

	4. Apply button should not be intractable for a few seconds after being pressed. 5. Apply work should be destroyed when user reject his request or user delete his request. 6. Update work using update button. 7. Delete post using remove button. 8. User should be send request again for same thing. 9. User should be taken to main screen on pressing logout button
Actual Result	1. Login button are behaving correctly 2. update on pressing update button. 3. Delete data on pressing remove button. 4. Request send on pressing Apply button. 5. User is taken to main screen on pressing Logout button
Status	Pass
Test Environment	PHP

6.5. Performance testing

Test case title: System response time testing

System response time testing

Test type	Performance testing	Test result
Required performance	The required response time of the system is less than 3 seconds	Test passed
System performance	The actual performance response time is 3 seconds.	Test passed

Test case title: Activity load time testing

Table Activity load time testing

Test type	Performance testing	Test result
Required performance	The required page load time of the system is less than 3 seconds	
System performance	The actual page load time is 2 seconds.	Test passed

Test case title: Huge number of users

Huge number of users

Test type	Performance testing	Test result
Required performance	System should perform normally and efficiently with a large number of users	
System performance	System performed all activities normally with a large number of users.	Test passed

Test case title: Waiting time testing

Table Waiting time testing

Test type	Performance testing	Test result
Required performance	The average waiting time of the system is less than 3 seconds	

System performance	The actual performance response time is 2 seconds in some circumstances.	Test passed
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Test case title: Connection establish time testing

Table Connection establish time testing

Test type	Performance testing	Test result
Required performance	The connection must be established in less than 2 seconds	
System performance	The actual connection establish time is about 1 second.	Test passed

Test case title: Database send/get information time testing

Table 13 : Database send/get information time testing

Test type	Performance testing	Test result
Required performance	The system should save or retrieve data from database in less than 2 seconds.	
System performance	The actual time system sends or gets information to database in 1 second.	Test passed

6.6. Stress Testing

Stress testing is a process of measuring the stability and reliability of the system. Stress testing used to check the ability of system to handling the bugs and errors. Stress testing used to test the system's ability of error handling during extremely heavy load.

To ensure that our system behaves normal during the stress we overload our system and examine the system's behavior in extreme circumstances. The (career recommender forum) behaves normally in unfavorable conditions and all of its features and functions perform their functionality.

Through this testing, we monitor our system and make sure our system

- System should save all data before crashing
- Make sure the connection from server
- If server no response, wait on login current page
- Make sure the saving of data and then show success message after operation done
- System should display of deleting and updating of records correctly.

Chapter 7

Summary, Conclusion and Future Enhancements

Chapter 7: Summary, Conclusion & Future Enhancements

7.1. Project Summary

This website is a platform for the users; they can either hire blogger for their work or can bid on blogger work, for their use or can provide all facilities as mentioned as an organizer.

There are a lot of website who are using for blogging and also blogger use their work station and social media sites which only provide services according to their own criteria. The user can only contact with whom whose using that shit system but he can't connect with all the similar blogger who are also in this field and may more efficient and more talented. This just happened because of unawareness. Their Price is fixed, and bit higher than expected. Mostly, people can't afford the high price; there is no way to negotiation for the service as well. Mostly website don't offer separate field blogger like photographers, designer, decorators, etc. One of the most major things is that if a person required only one service e.g. photography there is no such platform which provide such offers. There will be vast variety of users who provide their skillful services and can have some handsome earning and users who need, decorator, photographer etc. individually will be able to have many people available for their desired job, they can look at the profile of the service provider, look at his proposal about the service task and can hire them. This website will be very beneficial for both the blogger and the reader as it will save a lot of time for both.

7.2. Achievements and Improvements

During this complete project we face many challenges but the side of achievements is greater.

- Error handling
- Response time
- Portable
- User friendly
- User satisfaction

Admin Module

The administrator panel is managing by administrators. It is responsible for accepting and rejecting the Users data.

Improvements

As we know that there are always some accommodations of improvement in any system. Following are some basic improvements we need to change in future:

System quality

The quality is very important for the online system. Always keep an eye on the standard define quality “the totality of features and characteristics of product or service that bears its ability to satisfy stated or implied needs.

7.3. Lessons Learnt

When you come to practical life you should learn multiple lessons. Our team also learns multiple lessons while promoting this idea. We learn during this complete project. Before taking a critical and crucial decision, always consult with an expert because their advice can be more effective for

you at that stage. In our project we consult all the time with our Supervisor **Sir Abdul Rahman**. Team Work, hardship etc.

7.4. Future Enhancements/Recommendations

This online system we will provide basic services like portability or security. The future scope includes expend the technologies like Angular & PHP we can also add new technologies like angular, PHP many more for improving the efficiency of the software. We will add new features to our site in feature.