

**SINDH MADRESSATUL ISLAM**

**UNIVERSITY, KARACHI.**

**Chartered by Government of Sindh,**

**Recognized by HEC.**



## **Department of Computer Science**

### **Project Title**

**“Mazdoor Haazir Platform (Mobile App & Web Platform)”**

### **Final Year Project - Chapter # 01 to 07**

#### **Submitted by**

<b>Name</b>	<b>ID</b>	<b>Section</b>
<b>Danish Ul Hassan</b>	<b>CSC-18F-094</b>	<b>CS-8C</b>

#### **Project Supervisor**

**Ms. Syeda Wajiha Naim**

**MAZDOOR HAAZIR PLATFORM (MOBILE APP & WEB PLATFORM)**

**FINAL YEAR PROJECT THESIS**

**DANISH UL HASSAN**

**CSC-18F-094**

**SESSION 2018-2022**



**SUPERVISED BY**

**Ms. SYEDA WAJIHA NAIM**

**Project Report in partial fulfillment of the requirements**

**for the award of Bachelor of Science in Computer**

**Science (BSCS) Degree**

**In**

**DEPARTMENT OF COMPUTER SCIENCE**

**SINDH MADRESSATUL ISLAM UNIVERSITY**

**KARACHI, PAKISTAN**

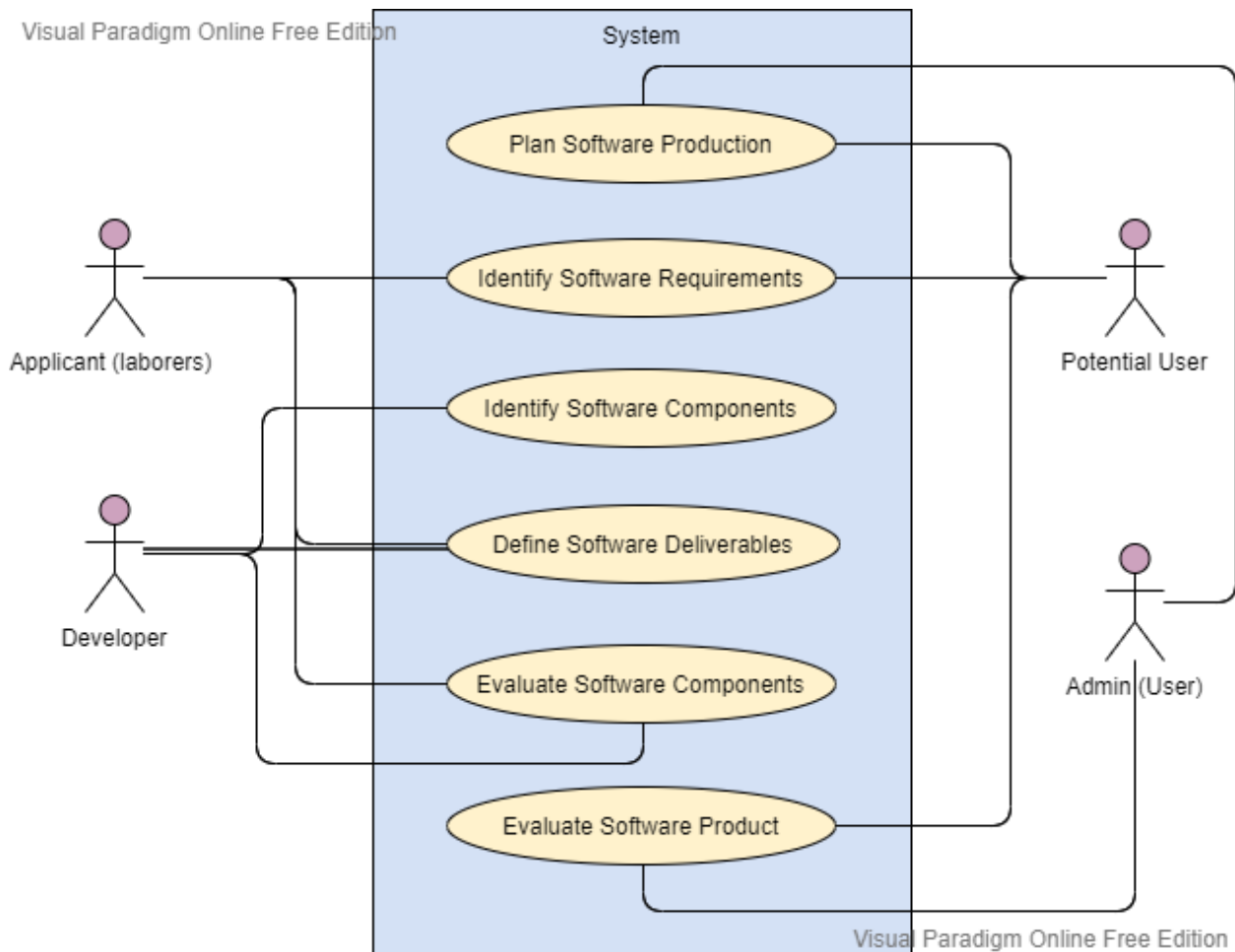
**(JULY 2022)**

### 3.4 Use Cases

In the use-case scenarios and diagrams we tried to convey the basic idea of the application flow and how the system will work, in which several components of the application are involved. The use cases illustrate the features that are essential in controlling the data flow of the application software, the use cases scenarios and diagrams are described below.

#### Use-Case: 01

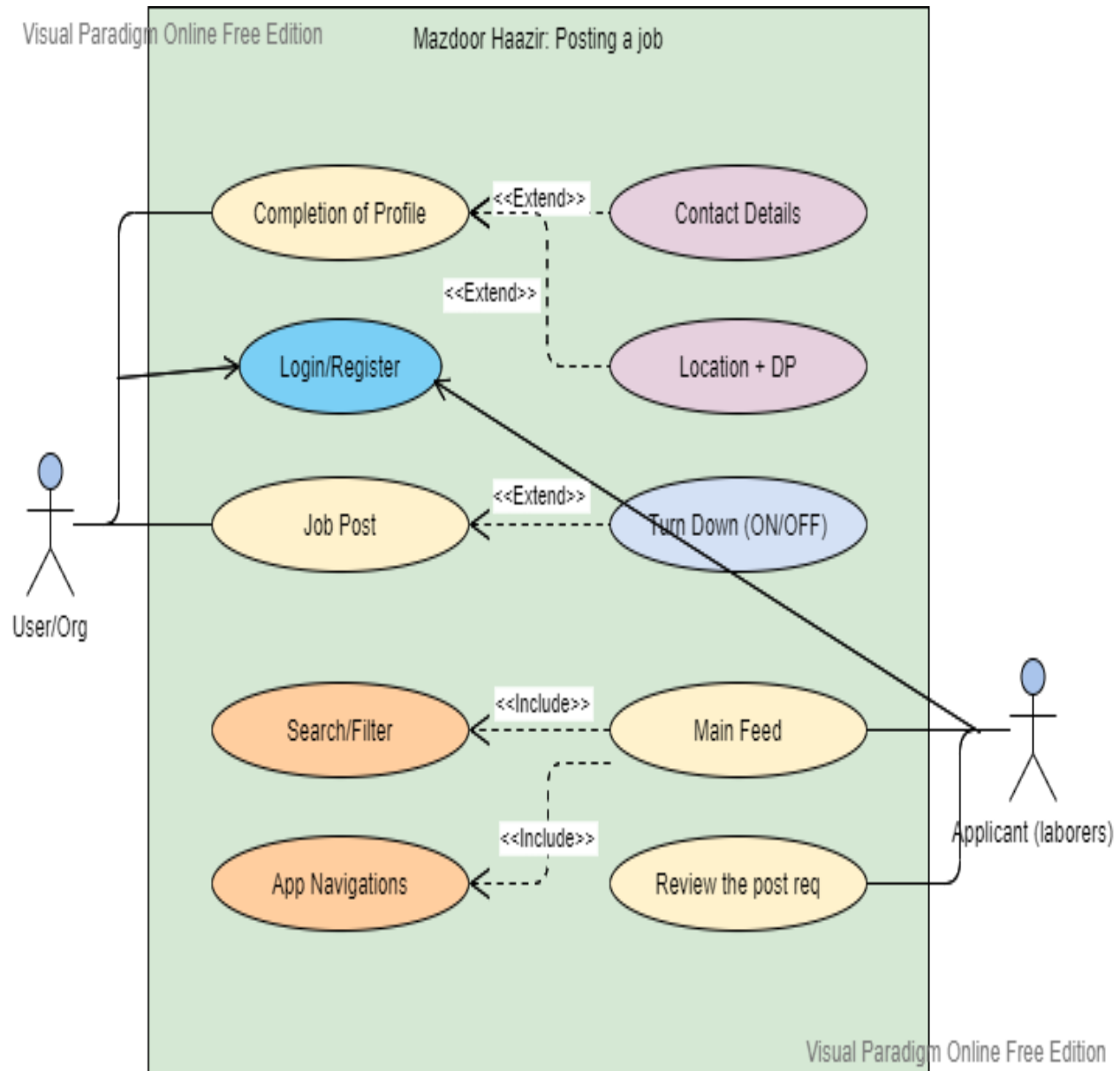
##### High Level Overview



**Figure 3.1: High Level Overview**

**Use-Case: 02**

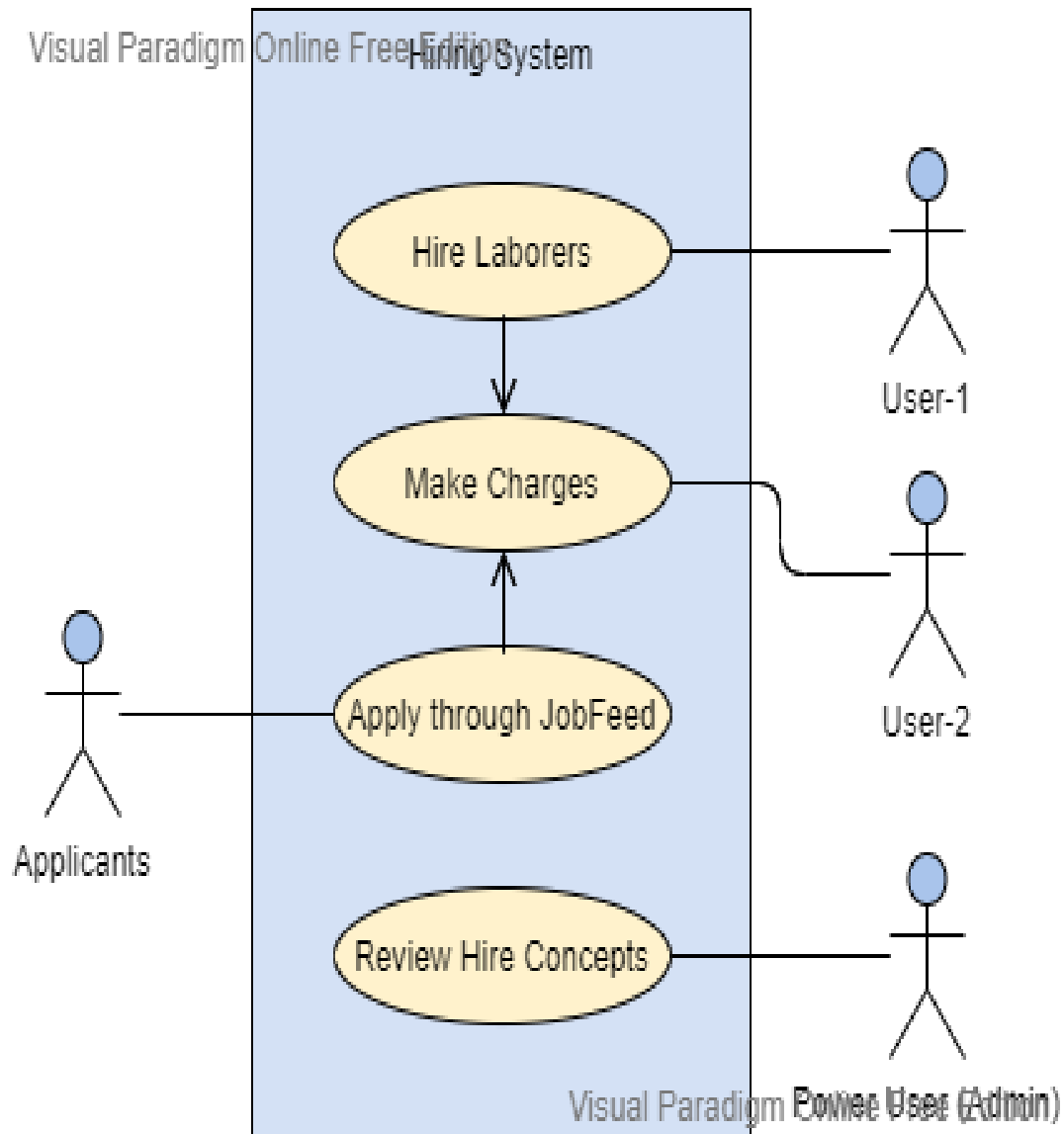
Following pictorial view showing the job posting use case.



**Figure 3.2: Posting a Job Use Case**

**Use-Case: 03**

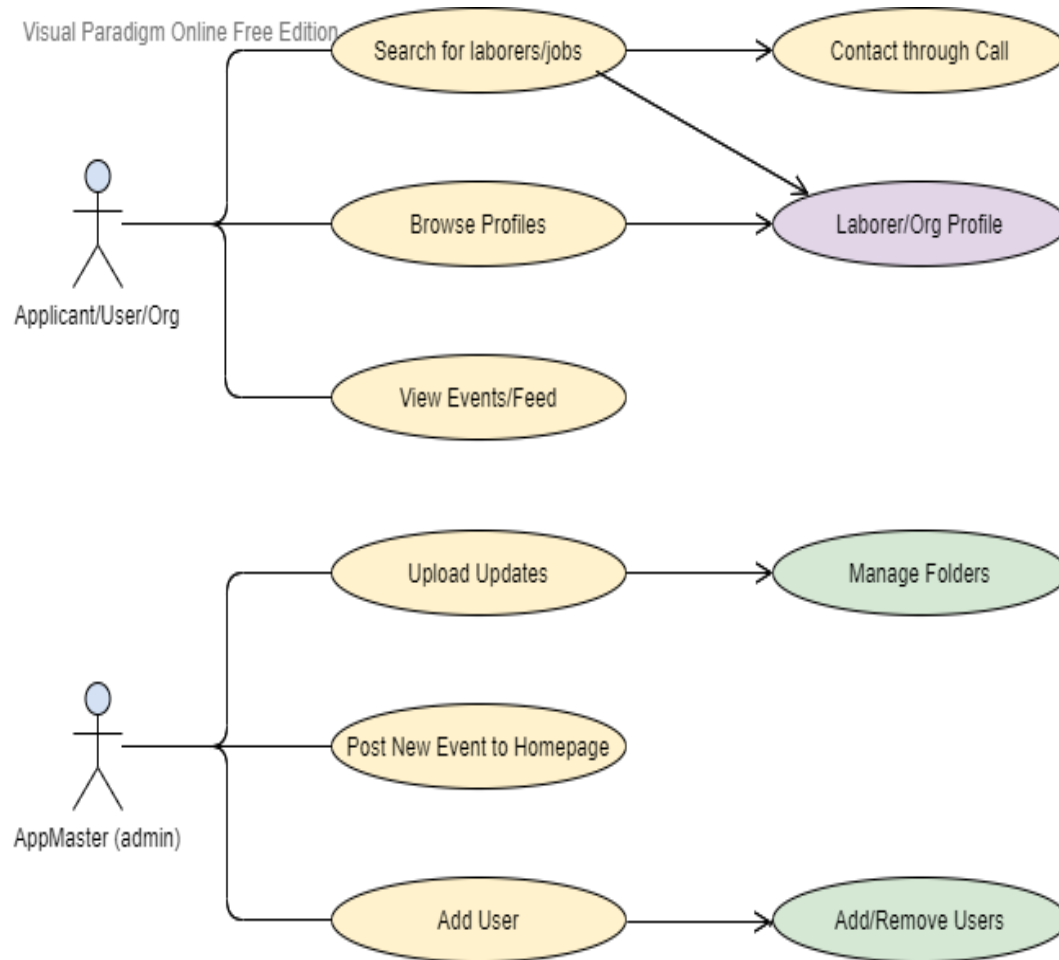
Following pictorial view showing the job posting use case.



**Figure 3.3: Posting a Hiring Concept Use Case.**

**Use-Case: 04**

Following is the pictorial view of accessing the information.



**Figure 3.4: Accessing the Application Software**

Source: <https://online.visual-paradigm.com/>

## Chapter 04

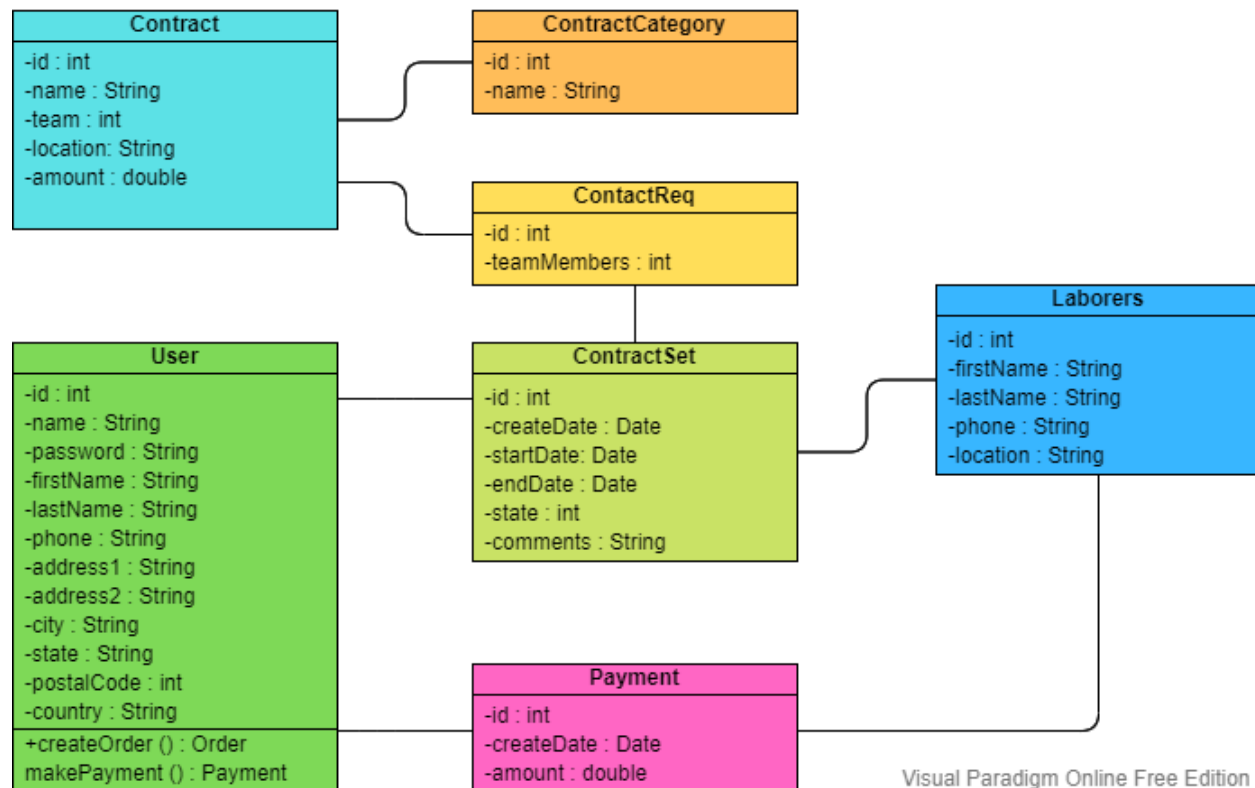
### System Design

#### Class Diagram

This Entity Relationship (ER) Diagram shows the model working of MazdoorHaazir mobile application. The entity relationship diagram represents all the optical important of database tables as well as the relations between the id, Name, Profile Type, Team Members, Phone Number, Email and Location etc. It uses the structure data for defining the relationship between the structured data groups of functionalities.

Visual Paradigm Online Free Edition

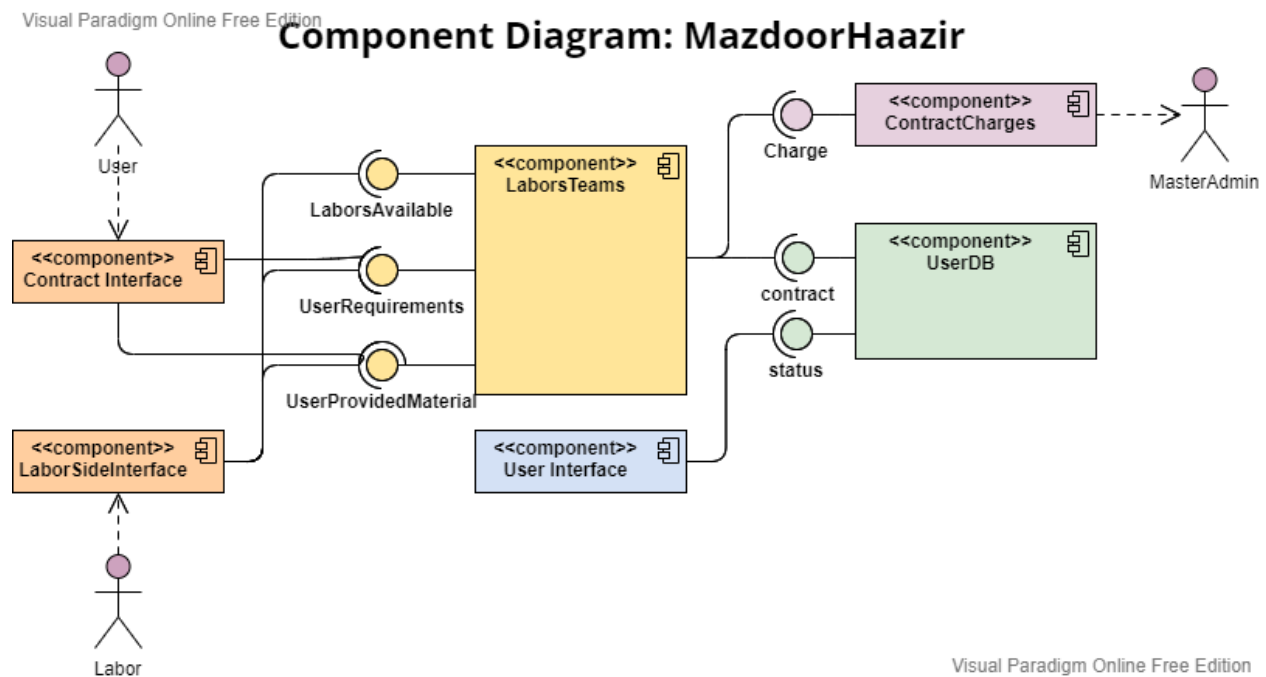
#### Class Diagram: MazdoorHaazir



Visual Paradigm Online Free Edition

## Component Diagram

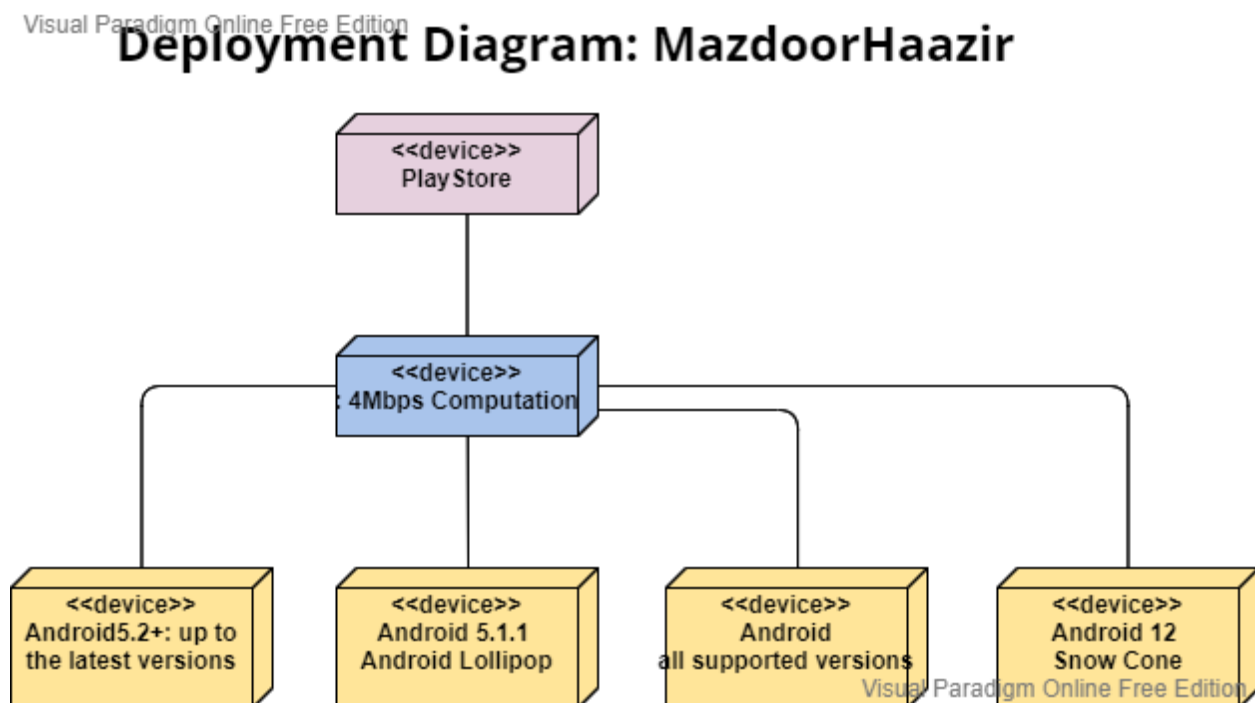
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## Deployment Diagram

This Entity Relationship (ER) Diagram shows the model working of MazdoorHaazir mobile application. The entity relationship diagram represents all the optical important of database tables as well as the relations between the id, Name, Profile Type, Team Members, Phone Number, Email and Location etc. It uses the structure data for defining the relationship between the structured data groups of functionalities.



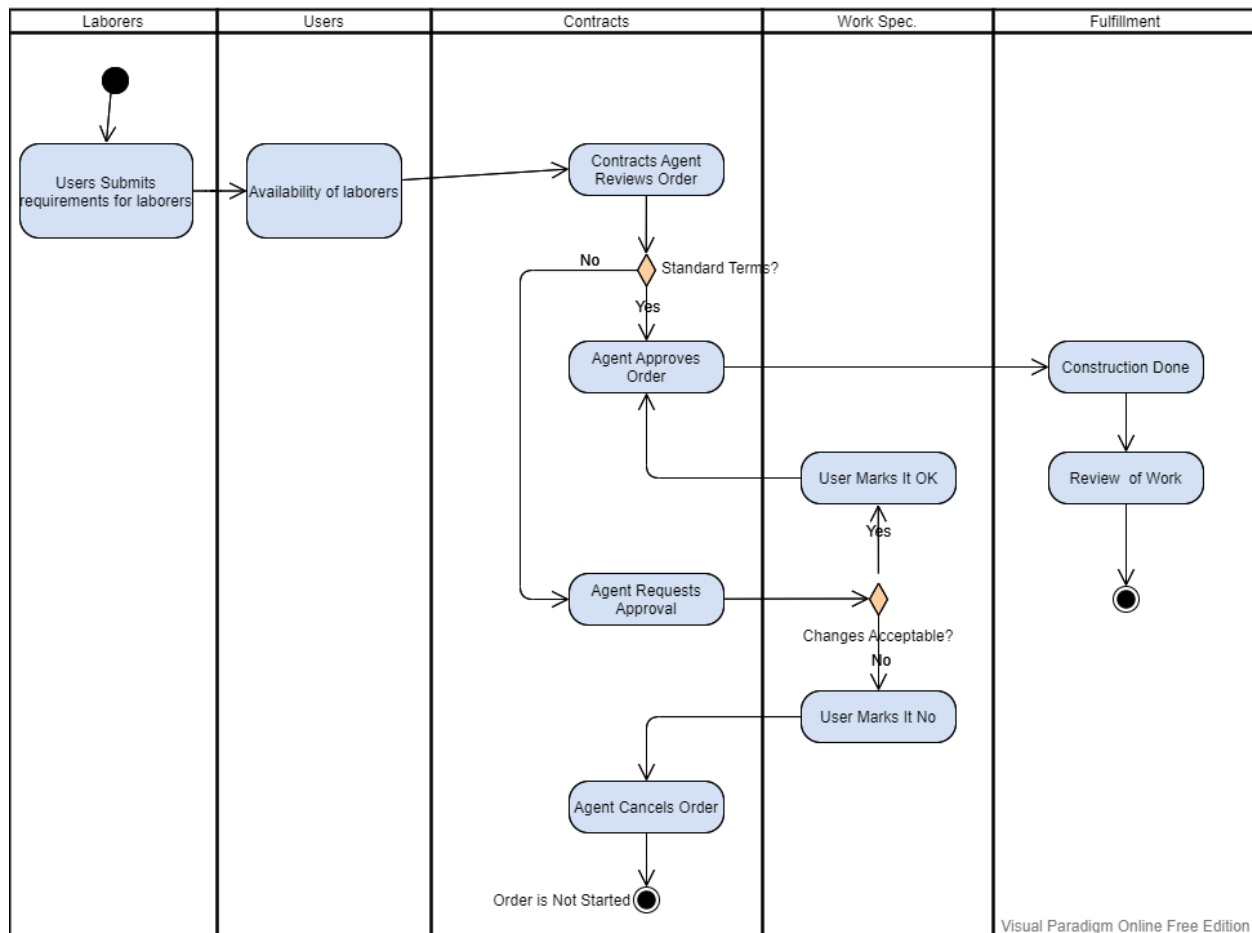
## Use Case Diagram

This Entity Relationship (ER) Diagram shows the model working of MazdoorHaazir mobile application. The entity relationship diagram represents all the optical important of database tables as well as the relations between the id, Name, Profile Type, Team Members, Phone Number, Email and Location etc. It uses the structure data for defining the relationship between the structured data groups of functionalities.

## Activity Diagram

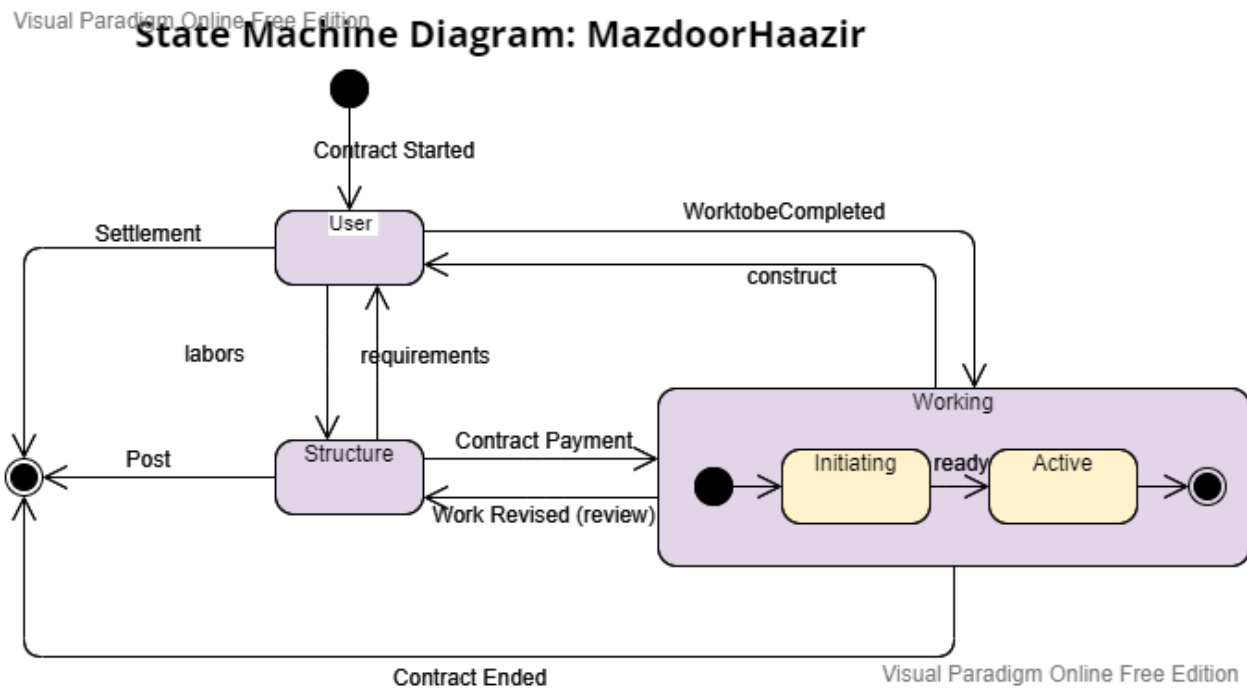
This Entity Relationship (ER) Diagram shows the model working of MazdoorHaazir mobile application. The entity relationship diagram represents all the optical important of database tables as well as the relations between the id, Name, Profile Type, Team Members, Phone Number, Email and Location etc. It uses the structure data for defining the relationship between the structured data groups of functionalities.

### Activity Diagram: MazdoorHaazir



## State Machine Diagram

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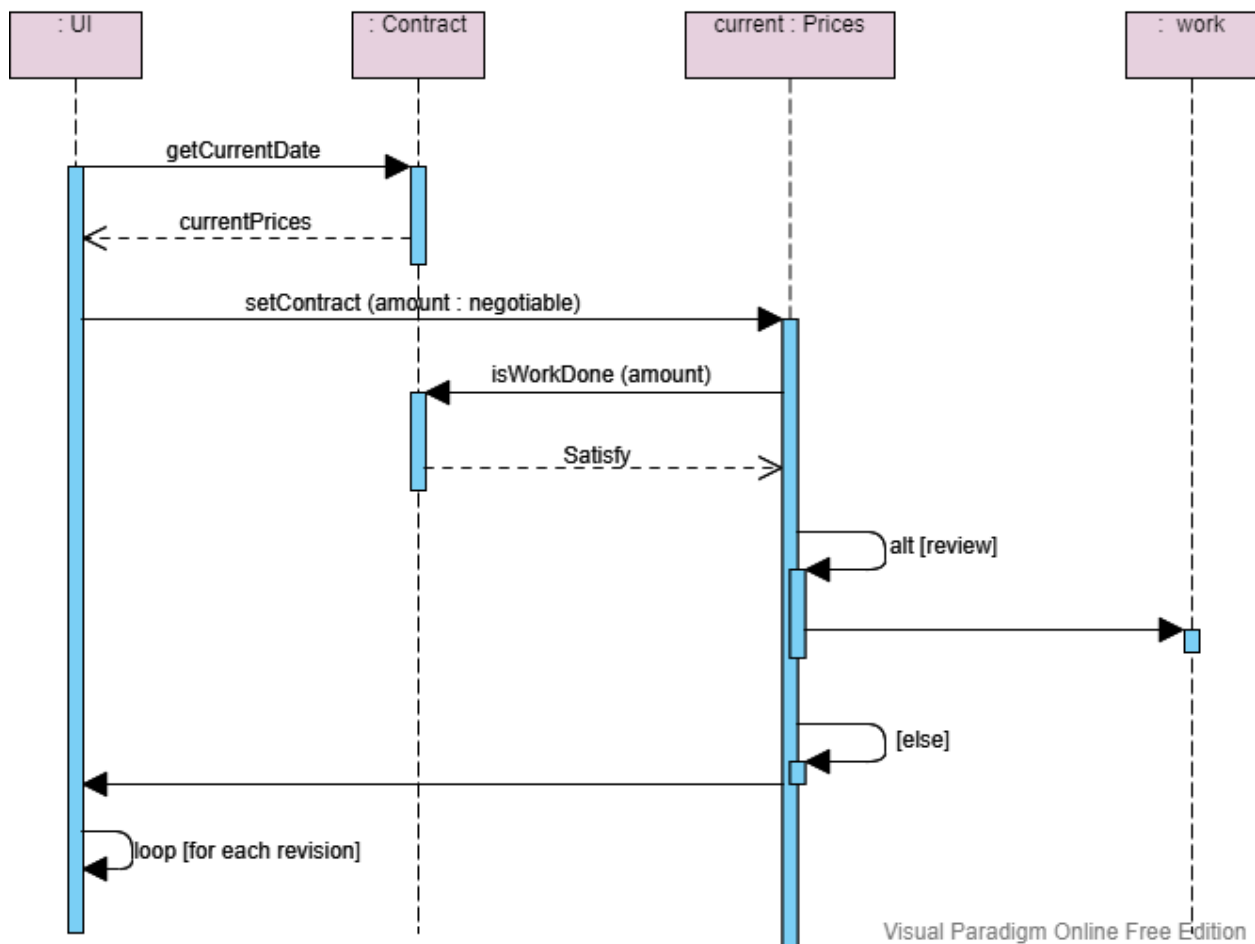


## Sequence Diagrams

This Entity Relationship (ER) Diagram shows the model working of MazdoorHaazir mobile application. The entity relationship diagram represents all the optical important of database tables as well as the relations between the id, Name, Profile Type, Team Members, Phone Number, Email and Location etc. It uses the structure data for defining the relationship between the structured data groups of functionalities.

Visual Paradigm Online Free Edition

**Sequence Diagram: MazdoorHaazir**



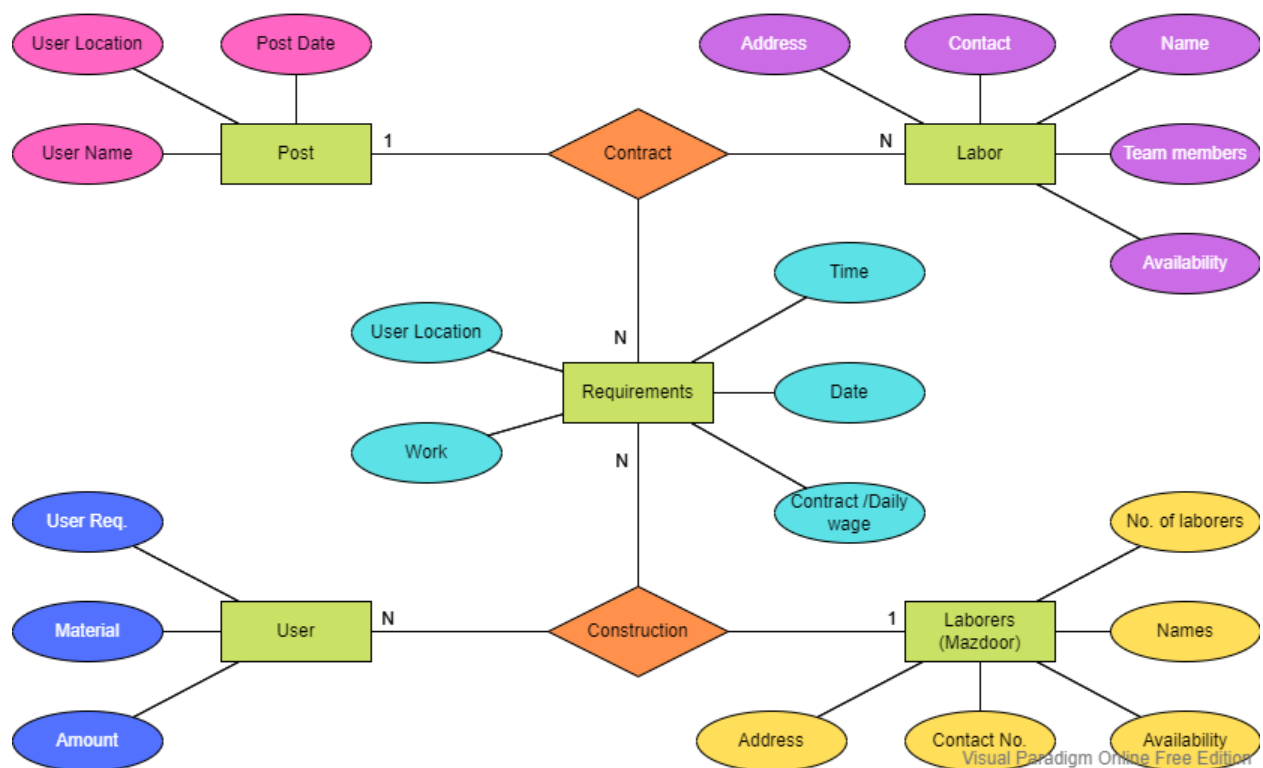
Visual Paradigm Online Free Edition

## Entity Relationship Diagram

This Entity Relationship (ER) Diagram shows the model working of MazdoorHaazir mobile application. The entity relationship diagram represents all the optical important of database tables as well as the relations between the id, Name, Profile Type, Team Members, Phone Number, Email and Location etc. It uses the structure data for defining the relationship between the structured data groups of functionalities.

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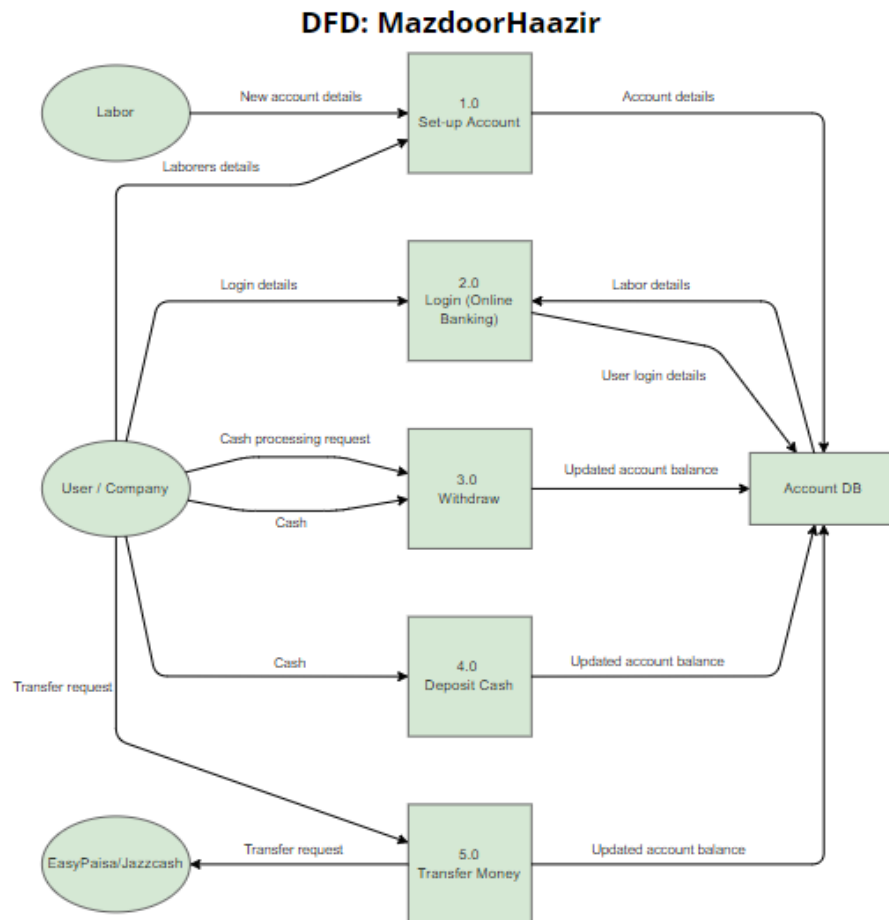
ERD: MazdoorHaazir



Visual Paradigm Online Free Edition

## Data Flow Diagram

This Entity Relationship (ER) Diagram shows the model working of MazdoorHaazir mobile application. The entity relationship diagram represents all the optical important of database tables as well as the relations between the id, Name, Profile Type, Team Members, Phone Number, Email and Location etc. It uses the structure data for defining the relationship between the structured data groups of functionalities.



## Chapter 05

### System Implementation

#### 5.1 Project Architecture

The architecture for this project consists of:

##### 5.1.1 Labor Profile

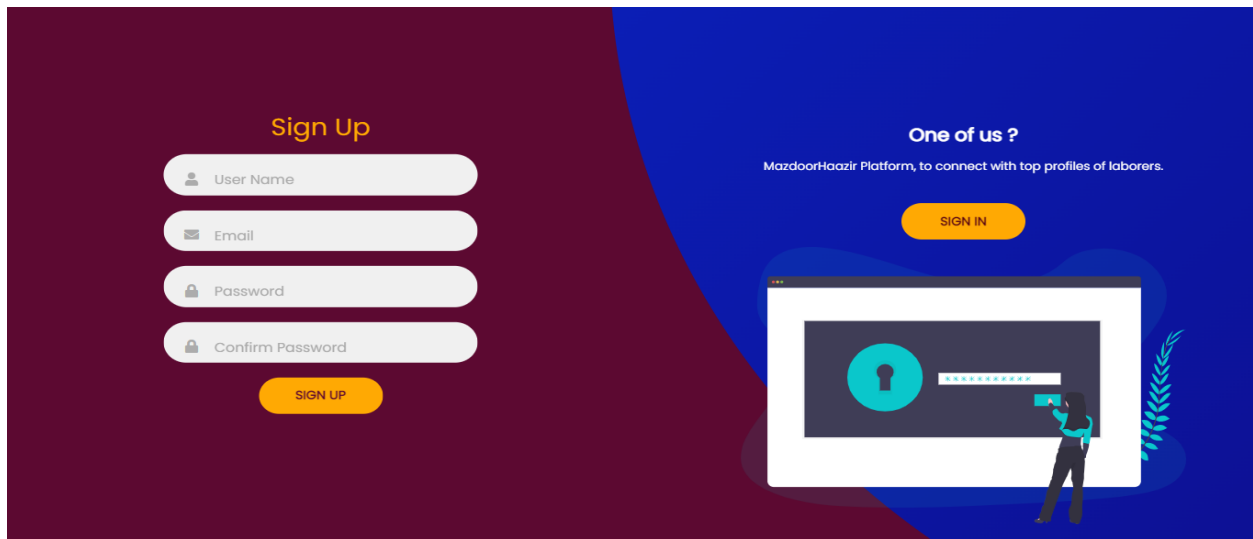
- **Input:** Labor Name, Labor Contact, Team members, Location, Availability
- **Read** user input for the labor profile specification
- **Validate** user inputs; if valid, proceed
- **Establish** connection to database
- **Store** the user or laborers profile data in database

This page considers various types of user input, including text, numbers, and image files. Users are able to create their profile and manage their profile and users have a functionality to add the post to the platform and labors will see them on their application interfaces.

MHP									
<a href="#">My Profile</a> <a href="#">Dashboard</a> <a href="#">Profiles</a> <a href="#">Categories</a> <a href="#">Manage Admins</a> <a href="#">Reviews</a> <a href="#">Live Site</a>									<a href="#">Logout</a>
Laborers Profiles									
<a href="#">Add New Profile</a>		<a href="#">Add New Category</a>		<a href="#">Add New Admin</a>		<a href="#">Approve Reviews</a>			
#	Title	Category	Date & Time	Author	Banner	Comments	Action		Live Preview
1	Umar Akmal	Homes	June 02, 20..	danish..		2 1	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Live Preview</a>
2	Ahmed Shahzad	Building..	June 02, 20..	danish..		3 1	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Live Preview</a>
3	Haris Sohail	Homes	June 02, 20..	danish..		2	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Live Preview</a>
4	Shan Masood	Shops	June 02, 20..	danish..		2	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Live Preview</a>
5	Junaid Khan	Homes	June 02, 20..	danish..		1 1	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Live Preview</a>
6	Yasir Shah	Homes	June 02, 20..	danish..		2 2	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Live Preview</a>
7	Azhar Ali	Homes	June 07, 20..	Danish..			<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Live Preview</a>

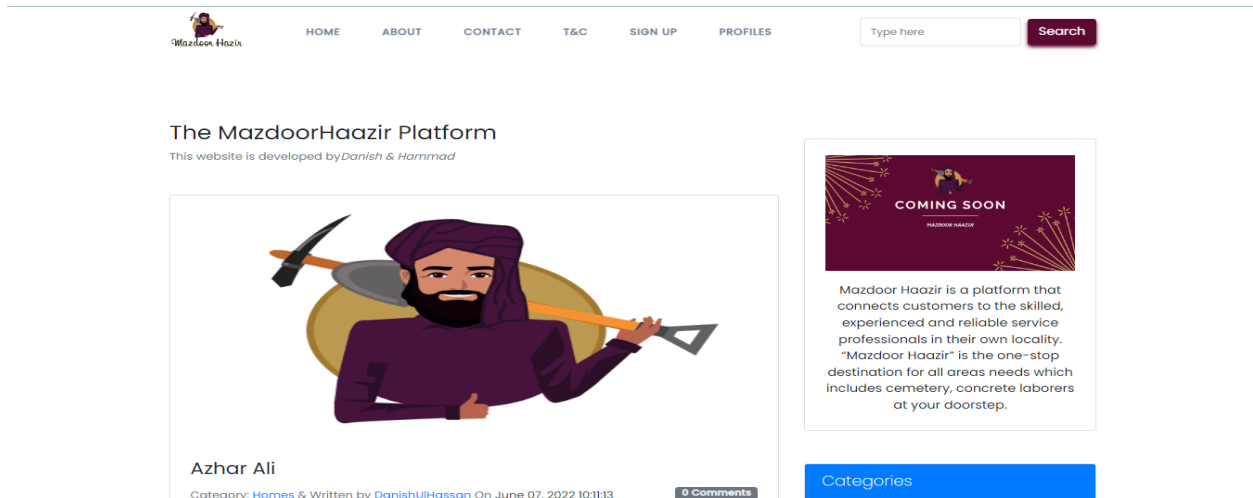
### 5.1.2 Customer Registration Page

This page has the name, email, profile picture as well as password. These all attributes are design for the creating for profile but importantly user/labor have to separately entered the details to register their profile for the view on the application. This information will help the user to hire/connect with the labors through their profile data.



### 5.1.3 Laborers Profile Page

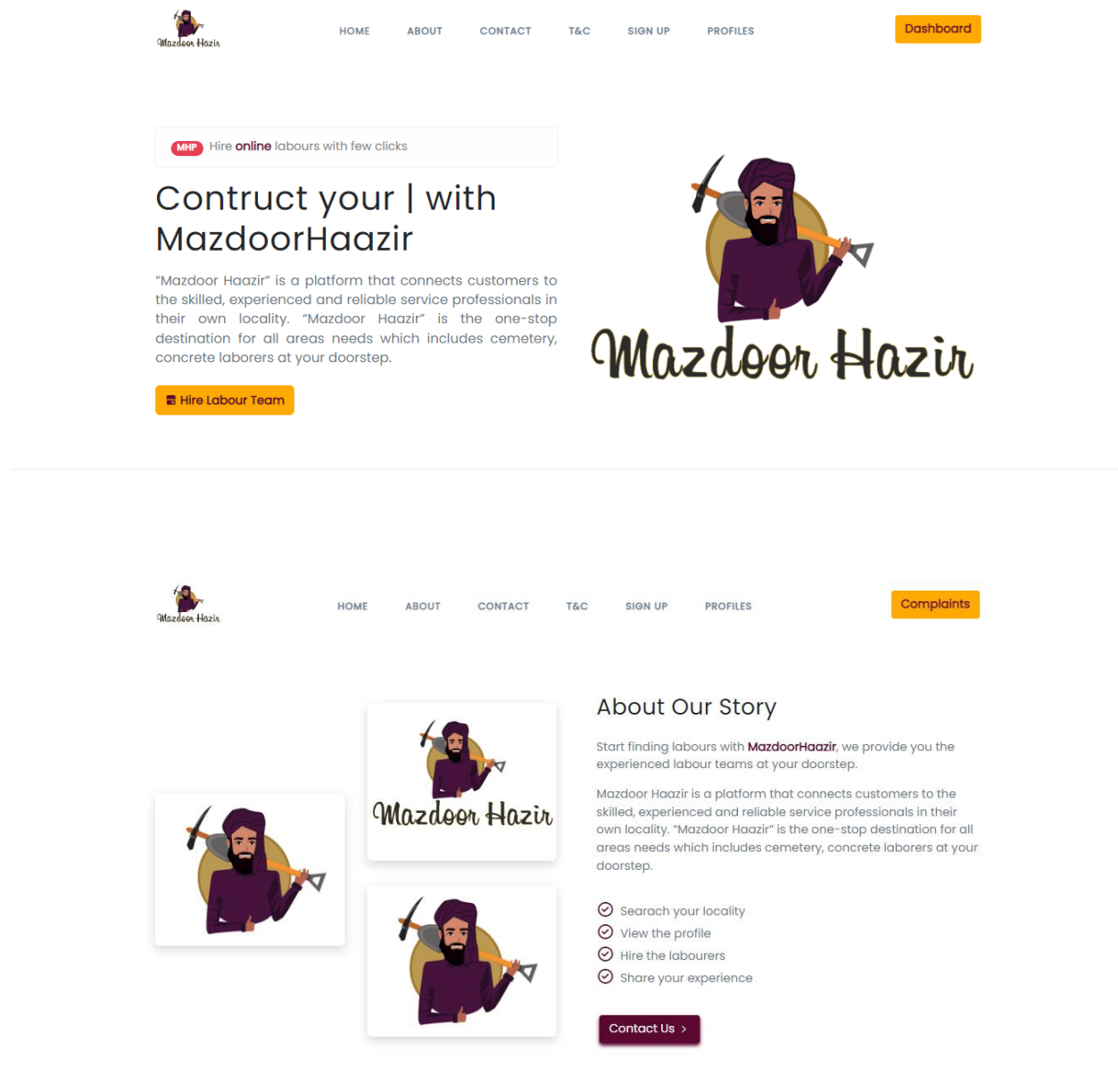
This page has the mail as well as password fields. User will write the mail and password which they have given in the time of registration. The email as well as password which he/she gave matched with the stored data in the database so they can access with their account.





### 5.1.4 User Interface (GUI)

This is the Graphical user interface of the profile creation which contains the user profile picture and information of labor which has its name, location, contact number and number of team members.

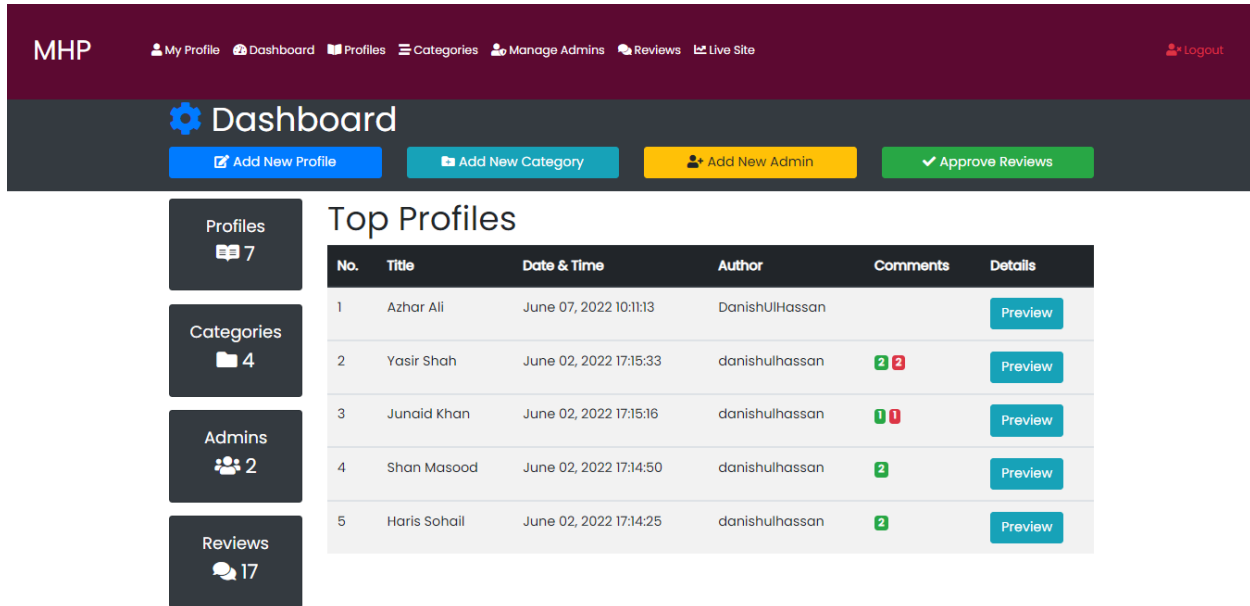


### 5.1.5 Laborers Profile Section

This section will contain the laborers profile that is selected by the user this pic will show in this section so that the system can view the profile and contact them.

### 5.1.6 Job Post Section

This section will allow the users to post their job requirements and this job will be appeared to the laborers. Labors will be able to apply on these job posts according to the criteria set by the user.



The screenshot shows the dashboard of the MazdoorHaazir Platform (MHP). The top navigation bar includes links for My Profile, Dashboard, Profiles, Categories, Manage Admins, Reviews, and Live Site. The dashboard itself features a sidebar with links to Profiles (7), Categories (4), Admins (2), and Reviews (17). The main content area is titled 'Top Profiles' and displays a table of user profiles.

No.	Title	Date & Time	Author	Comments	Details
1	Azhar Ali	June 07, 2022 10:11:13	DanishUllHassan		<a href="#">Preview</a>
2	Yasir Shah	June 02, 2022 17:15:33	danishulhassan	2	<a href="#">Preview</a>
3	Junaid Khan	June 02, 2022 17:15:16	danishulhassan	1	<a href="#">Preview</a>
4	Shan Masood	June 02, 2022 17:14:50	danishulhassan	2	<a href="#">Preview</a>
5	Haris Sohail	June 02, 2022 17:14:25	danishulhassan	2	<a href="#">Preview</a>

### 5.1.7 Logo

The logo of our project is a character which holds the tools which help him in construction work and also our project title is also their “MazdoorHaazir”. It is designed in the photoshop.



### 5.1.8 Admin Panel

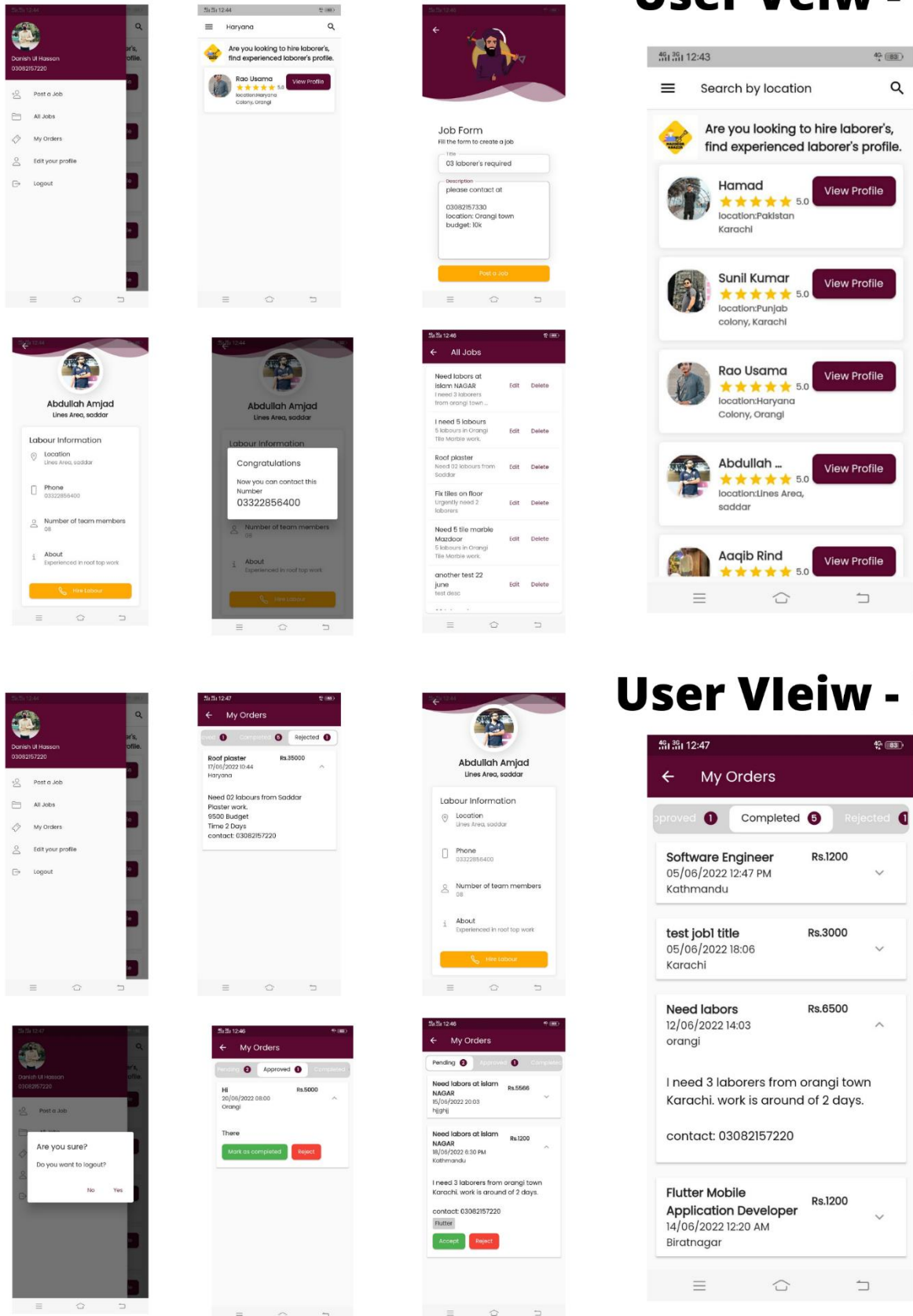
This section will be managed by the admins of the “MazdoorHaazir”. By the admin, the profiles, jobs or other information can be updated. All the application/website data will be handled by the admin. This section will allow these operations.

No.	Title	Date & Time	Author	Comments	Details
1	Azhar Ali	June 07, 2022 10:11:13	DanishUllHassan		<a href="#">Preview</a>
2	Yasir Shah	June 02, 2022 17:15:33	danishulhassan	2 2	<a href="#">Preview</a>
3	Junaid Khan	June 02, 2022 17:15:16	danishulhassan	1 1	<a href="#">Preview</a>
4	Shan Masood	June 02, 2022 17:14:50	danishulhassan	2	<a href="#">Preview</a>
5	Haris Sohail	June 02, 2022 17:14:25	danishulhassan	2	<a href="#">Preview</a>

### 5.2 App Coding (Snapshot) Section

This is the coding section which has the user panel as well as labor view. There are 2 different interfaces of the application. We have added dependencies in pubspec.yml file because this is the file which is our application totally depends on.

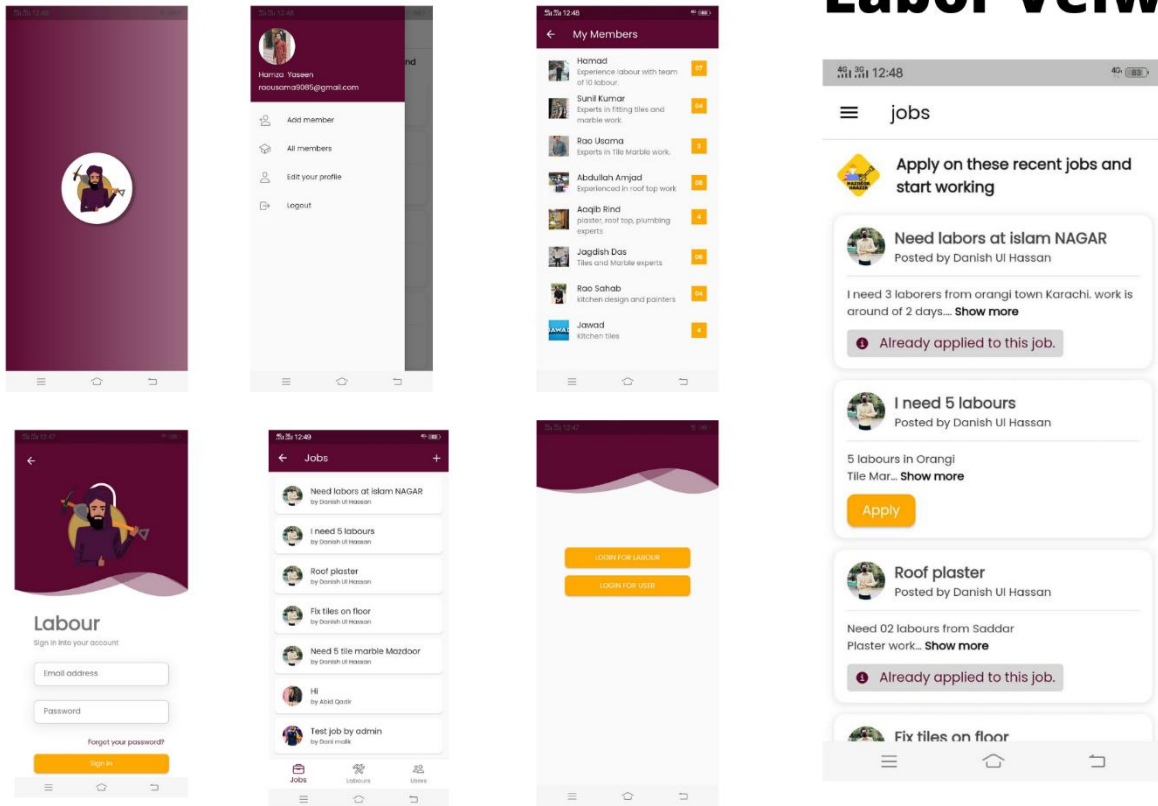
## 5.2.1 Mobile App Screens



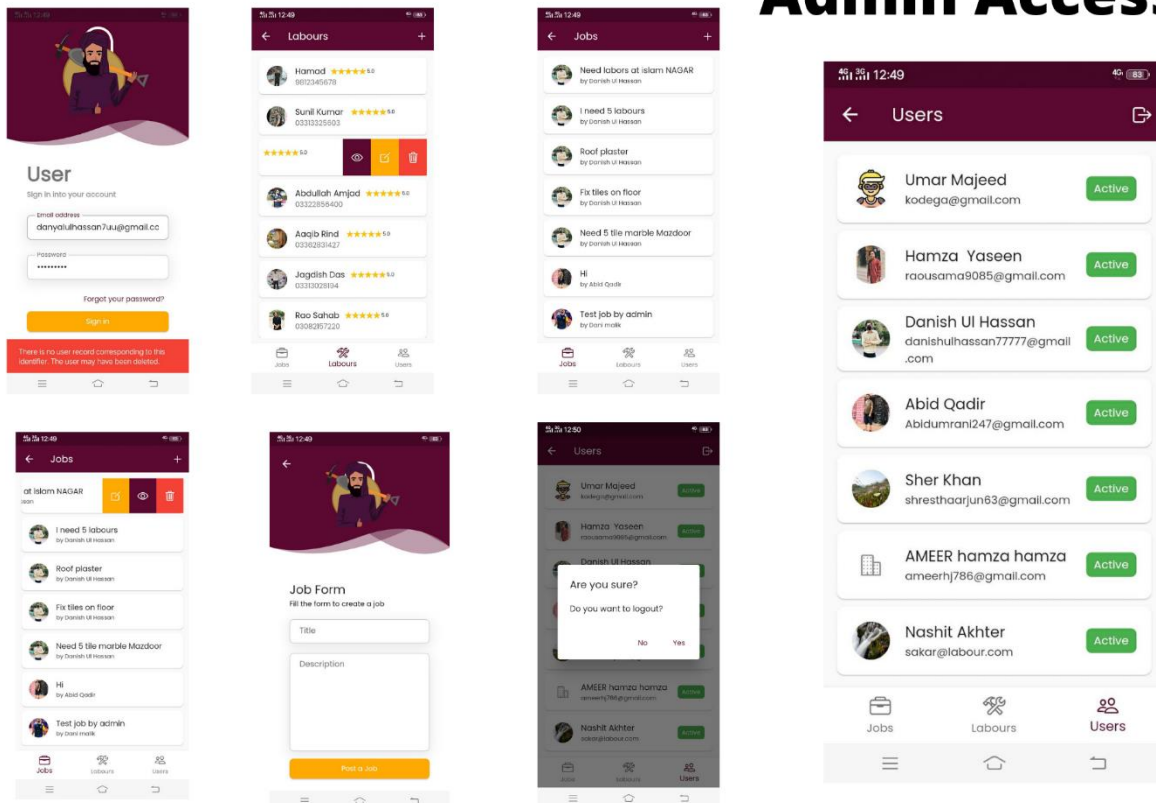
## User View - I

## User View - II

## Labor View



## Admin Access



TC ID	DESCRIPTION	TEST-STEPS	EXPECTED RESULT	PASS/FAIL
TC_001	Slider of product images is working fine or not? Can it be hovered and clicked	Home page	Each image is slided line by line and it is hovered as well as clicked form going on the order page	Passed.
TC_002	Images of the profile, detail of laborers, price and location information are related to the goal.	Labor Profile detail page	All information is related to the laborers profile and GUI is best based on the application successfully	Passed
TC_003	Adding profile to the platform, with name, contact no, location, profile picture functionality is working fine?	Profile Data	Platform is able to add in the profile and name, location, contact no, profile picture functionality will work according to the data.	Passed
TC_004	Post the jobs, and labors can view the job on their interfaces	After Job Posted	The job posted by the user will enable the laborers to see the job and then they can apply on them based on the criteria set by the user.	Passed
TC_005	Login, FAQs, contact-us page and customer services section will tested	Other tests	All pages and sections are related to the website as well as product which is selected by us.	Passed
TC_006	Membership or login page testing that the user who is logging, is a part of membership.	Membership or login	Verified that the user is member of website or not by their username and password	Passed