Logo

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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

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

**FINAL YEAR PROJECT THESIS**

**DANISH UL HASSAN CSC-18F-094**

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**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**

Diagram

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**Figure 3.1: High Level Overview**

**Use-Case: 02**

Following pictorial view showing the job posting use case.

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

**Use-Case: 03**

Following pictorial view showing the job posting use case.

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

**Use-Case: 04**

Following is the pictorial view of accessing the information.

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**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.

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**Component Diagram**

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**Deployment Diagram**

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**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**

Diagram

Description automatically generatedThis 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.

**State Machine 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.

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.

Diagram

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**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.

Diagram

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**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.

**Diagram

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**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.

A screenshot of a computer

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#### **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.

Icon

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#### **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.

Graphical user interface, application, Teams

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#### **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.

Graphical user interface, application

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Graphical user interface, application, Teams

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#### **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.

A screenshot of a computer

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#### **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.

Logo

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#### **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.

A screenshot of a computer

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## **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.

#### 

#### Graphical user interface, text, application Description automatically generated**5.2.1 Mobile App Screens**

# 

Graphical user interface, application

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**Graphical user interface, application

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**Graphical user interface, application

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 |