



Daffodil
International
University

Find Helping Hand

By

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171-35-2058

A thesis submitted in partial fulfillment of the requirement for the degree of
Bachelor of Science in Software Engineering

Department of Software Engineering
DAFFODIL INTERNATIONAL UNIVERSITY

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Approval

APPROVAL

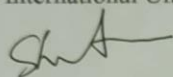
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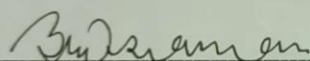
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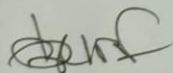
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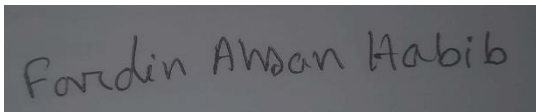


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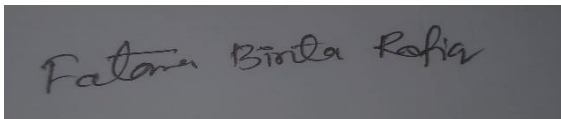
Declaration

I hereby declare that I have taken this project under the supervisor of Ms. Fatama Binta Rafiq, Lecturer (Senior Scale) Department of Software Engineering and Daffodil International University. I also declare that I have submitted neither this project nor any part of it for award of any degree.



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Abstract

This application should be administered by an administrator who will compile a list of qualified individuals, monitor user behavior, and other duties. Four skills will be presented, which we will incorporate. The administrator of this project can control users' profiles. The user can address issues with their homes by using the system. The user of this program can employ a competent domestic issue solver. Any time a household issue arises, it is highly vital to address it.

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Chapter - 01

Introduction

1.1 Project Overview

Now a days both family member is working that's why they don't have time to manage home and they want to keep a helping hand. My application helps all people not only find the helping hand but also find the homeowner contact with him for work.

1.2 Project Purpose

I want to make an android application, to solve out daily life searching for Homeworker. Generally, the common problem in our daily life is family and bachelor homes. From this concept, I want to make android application which will fill up this requirement for searching home worker. In the android application I am trying to add some features like Sign up, Sign in, and his profile. As profile like Name, Address, Phone number, Password, Profile picture, Working hour etc. This application generally made for homeworker and people who are searching for homeworker. There will be an option for future update. I hope this application will be one of the popular android application for family or bachelor homes.

1.2.1 Background

We can easy find work people. They will manage the work at the specified time. This will solve the search for people to homeworker in our daily life. Usually we will not have a problem getting people to work. I think it increases the population of family or bachelor people.

1.2.2 Benefits & Beneficiaries

Benefits

- We can easily find homeworker.
- They will manage the work at the specified time.
- This will solve the search for people to homeworker in our daily life.
- To the help of the application we will not have a problem getting people to work.
- It fulfills demand of family or bachelor people and
- It's helps maintain security.

Beneficiaries

- Admin
- User 1 (Homeowner)
- User 2 (Worker)

1.2.3 Goals

Now a days both family members are working outside home. That's why they don't have to manage home and they want to keep a helping hand. My application helps all people not only find helping hand but also find homeowner contact info.

1.3 Stakeholders

There are many members are associate with the project. They have helped to develop the system directly or indirectly.

Internal Stakeholder:

1.Admin: They are maintaining in database system management in the application.

External Stakeholder: There are Two (2) type of users.

1. User 1 (Homeowner): Before have to finish their registration. Then they have to log in system. Then you can see the list homeworker. Their work will be able to see time to see time and contact them if necessary.
2. User 2 (Worker): Before their registration will be done. They have to log in the system. Then the homeowner can see his / her list and contact them if necessary.

1.4 Project Schedule

For developing project or something else, schedule helps for proper planning. I also make a schedule for developing and executing my project properly.

1.4.1 Gantt Chart

A Gantt chart is a set of horizontal lines that compares of work and production completed during specific periods to the amounts planning for those periods.

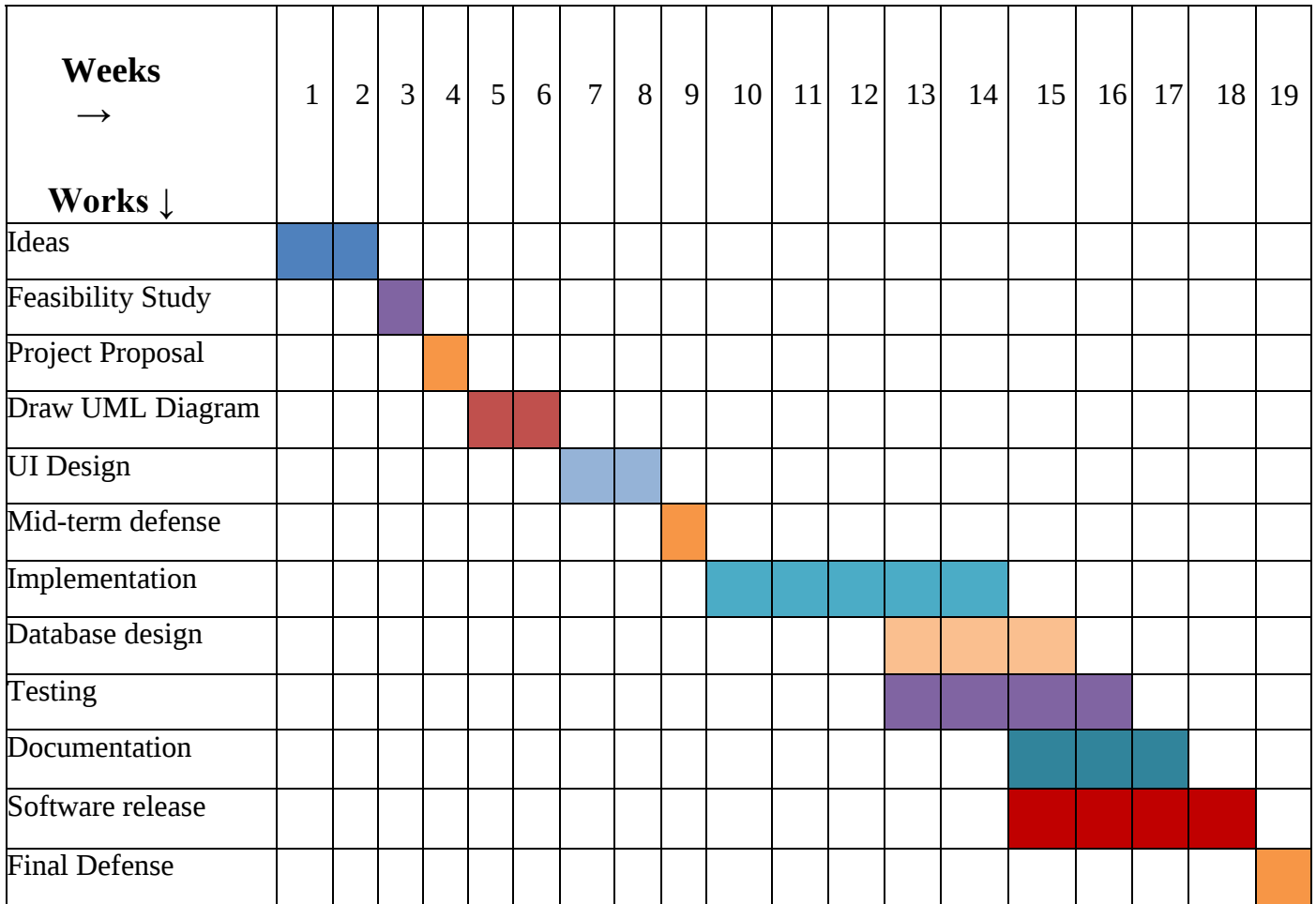


Figure: 1.4.1 Gantt Chart

1.4.2 Release plan / Milestone

Project a milestone and a time able will make the task clearer. The project milestone are as follows:

Task No	Task Name	Time
01	Requirements gathering and analysis	3 weeks
02	UML and UI design	3 weeks
03	Implementation	5 weeks
04	Database design	3 weeks
05	Testing	4 weeks
06	Software release & Final Defense	5 weeks

Table: 1.4.2: Release plan

Chapter 2

Software Requirements Specification (SRS)

2.1 Functional Requirements

The whole project has to develop on the basis of the following requirements. For the system functional requirements are mentioned below:

2.1.1 Register both users

FR - 01	Register both users
Description	The users must be register in the system. They must be able he/she login to the system.
Stakeholders	Admin, Homeowner and Worker.

2.1.2 Log in

FR - 02	Log in
Description	We have to register before users. Besides can not be logged in the system.
Stakeholders	Homeowner and Worker.

2.1.3 Add Person

FR - 03	Add Peron
Description	After complete the information of the job, they will get the opportunity to work and worker find homeowner details.
Stakeholders	Homeowner and Worker.

2.1.4 Update Profile

FR – 04	Update Profile
Description	Users can change some information like location in case of homeowner and working hours and location in case of worker.
Stakeholders	Homeowner and Worker.

2.1.5 Search Worker

FR - 05	Search Worker
Description	Homeowner after they log in, the list of workers will appoint. If you want to find known worker, they search by his phone number. Then only he/she can be found.
Stakeholders	Homeowner.

2.1.6 Delete Profile

FR – 06	Delete Profile
Description	Users can delete their information by logging in their profile.
Stakeholders	Homeowner and Worker.

2.1.7 Log out

FR – 07	Log out
Description	After users log in to the profile with their correct username, password and user type and they can log out.
Stakeholders	Homeowner and Worker.

2.2 Non-Functional Requirements

NFR - 01	Security
Description	It will be safe from users who don't have username, password and user type. It will be safe from unauthorized access.
Priority	High.

NFR - 02	Availability
Description	The system should be accessible so users can get access and service.
Priority	High.

NFR - 03	Accuracy
Description	Data or process requirements define the precision with which the solution will record or create data.
Priority	High.

NFR - 04	Maintenance
Description	It is the way how easy to support, change and maintain the application.
Priority	Medium.

Chapter – 03

System Analysis

3.1 Use Case Diagram

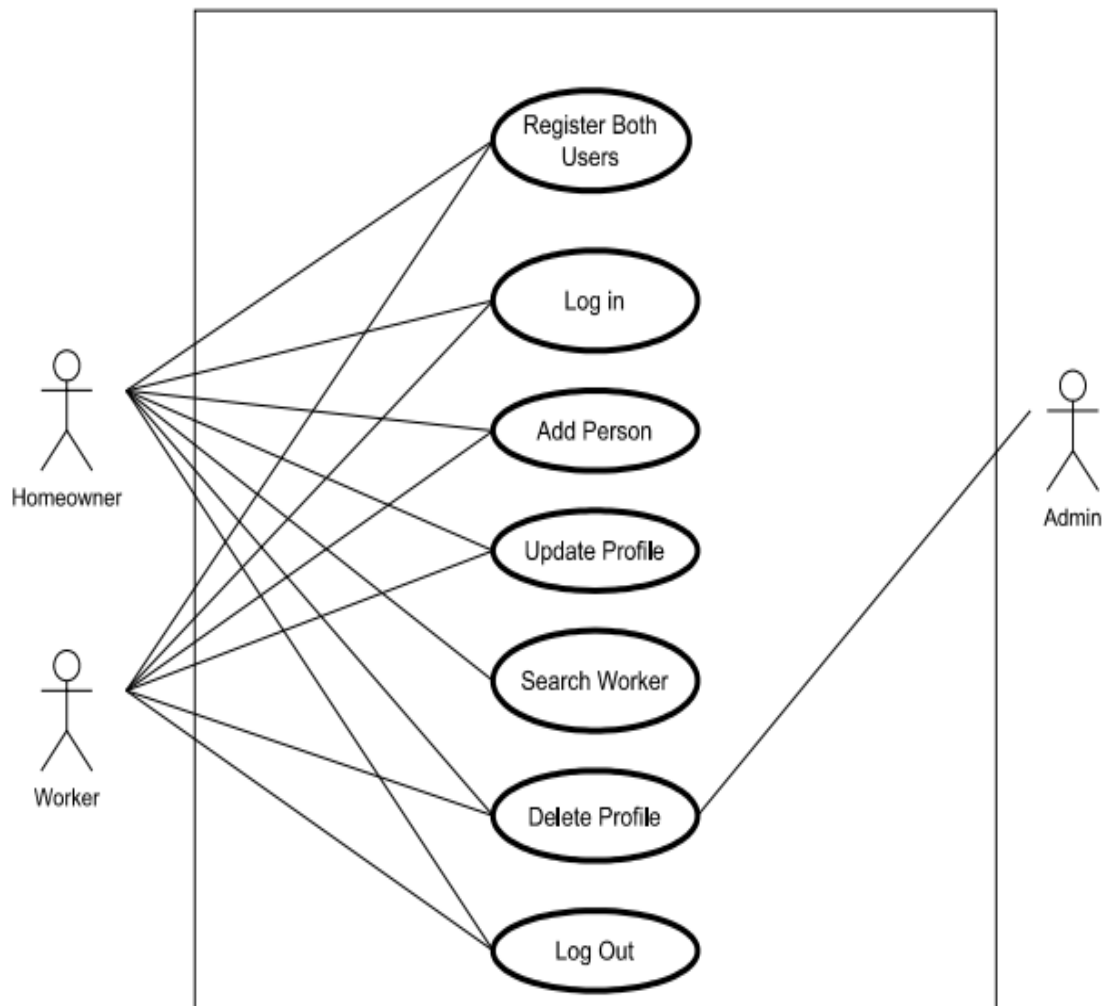


Figure: 3.1 Use Case Diagram

3.2 Use Case Description

3.2.1 Register both users

Use Case	Register both users	
Goal	Anybody can apply to register.	
Preconditions	Users carefully fulfilled registered required fields.	
Success End Condition	When user can be completed the registration completed.	
Failed End Condition	When the user cannot fulfill requirements.	
Primary Actors:	Homeowner and Worker.	
Secondary Actors	Admin.	
Trigger	Access into application.	
Description / main Success Scenario	Step	Action
	1.	The people can register into the application.
	2.	People are entering all required info in “Registration” form.
	3.	N/A
Alternative Flows	Step	Branching Action
	1a	If “Registration” page error then again reload the page.
Quality Requirements	Step	Requirement
	1.	Must be authentic people and also edit or update the application.

Table: 3.2.1 Register both users

3.2.2 Log in

Use Case	Log in	
Goal	User can assess in the application.	
Preconditions	Before users log in have must an account.	
Success End Condition	Users can log in successfully.	
Failed End Condition	If you forget, user type the username, password.	
Primary Actors:	Homeowner and Worker.	
Secondary Actors	N/A	
Trigger	Access into application.	
Description / main Success Scenario	Step	Action
	1.	User must have selected user type.
	2.	The user types enter his or her username, password in the retuning user section of the sign in.
	3.	User log in in to the application.
Alternative Flows	Step	Branching Action
	1a.	The user type enters his or her username and password.
Quality Requirements	Step	Requirement
	1.	When user log in then needs to correct username, password for log in and user type.

Table: 3.2.2 Log in

3.2.3 Add Person

Use Case	Add Person	
Goal	When I add a person, I can collect their information.	
Preconditions	User must have assessed into the application.	
Success End Condition	To added a new person successfully.	
Failed End Condition	If users cannot fulfill worker required fields the information of a person.	
Primary Actors:	Homeowner and Worker	
Secondary Actors	N/A	
Trigger	Assess into the application.	
Description / main Success Scenario	Step	Action
	1.	At first, whose information must be submitted.
	2.	Users fill-up required fields.
	3.	Then successfully add a person.
Alternative Flows	Step	Branching Action
	1a.	Whose information must be submitted if anyone information is missing.
	2a.	Users cannot fill-up required fields.
Quality Requirements	Step	Requirement
	1.	Must be logged in to the application.

Table: 3.2.3 Add Person

3.2.4 Update Profile

Use Case	Update Profile	
Goal	When someone's information is updated successful.	
Preconditions	Must be log in assess in the application.	
Success End Condition	When someone's information update successfully.	
Failed End Condition	When someone's information will be updated, if this information in not available.	
Primary Actors:	Homeowner and Worker.	
Secondary Actors	N/A	
Trigger	Access into application.	
Description / main Success Scenario	Step	Action
	1.	User must be log in assess on the application.
	2.	Wire info manages, they information update.
	3.	And click the submit button.
Alternative Flows	Step	Branching Action
	1a.	Don't assess your users.
	2a.	Not giving any information.
Quality Requirements	Step	Requirement
	1.	Must be logged in to the application.

Table: 3.2.4 Update profile

3.2.5 Search Worker

Use Case	Search Worker	
Goal	When we find someone, who finds person.	
Preconditions	User must have assessed into the application.	
Success End Condition	We found there in an application.	
Failed End Condition	We cannot reach the person.	
Primary Actors:	Homeowner.	
Secondary Actors	N/A	
Trigger	Access into application.	
Description / main Success Scenario	Step	Action
	1.	In the application into should contain the information of the person.
	2.	To search through his username and phone number.
	3.	Then can contact you after finding it.
Alternative Flows	Step	Branching Action
	1a.	The application into if not their it is not possible to get.
	2a.	If the username and phone number is not match, then we will not be found.
Quality Requirements	Step	Requirement
	1.	Must be logged in to the application.

Table: 3.2.5 Search Worker

3.2.6 Delete Profile

Use Case	Delete Profile	
Goal	When we will make sure someone's, information is removed.	
Preconditions	User must have assessed into the application.	
Success End Condition	The system will have information is delete.	
Failed End Condition	When we cannot delete someone's information.	
Primary Actors:	Homeowner and Worker	
Secondary Actors	Admin	
Trigger	Access into application.	
Description / main Success Scenario	Step	Action
	1.	Users must have log in the application.
	2.	Must have in his/ her profile.
	3.	And click "delete" button.
Alternative Flows	Step	Branching Action
	1a.	N/A
	2a.	N/A
	3a.	If "delete" button error then again reload the system.
Quality Requirements	Step	Requirement
	1.	Must be logged in to the application.

Table: 3.2.6 Delete Profile

3.2.7 Log out

Use Case	Log out	
Goal	User can access in the system, and successfully log out.	
Preconditions	Users must be log in the system.	
Success End Condition	Users must have been log out.	
Failed End Condition	If Log out page error then again reload the page.	
Primary Actors:	Homeowner and Worker.	
Secondary Actors	N/A	
Trigger	Access into application.	
Description / main Success Scenario	Step	Action
	1.	The user types enter his or her user type, username, and password in the returning user section of the sign in.
	2.	To be must have properly assessed into application.
	3.	Then successfully log out.
Alternative Flows	Step	Branching Action
	1a.	N/A
Quality Requirements	Step	Requirement
	1.	When user log in then needs to correct username for log in and password.

Table: 3.2.7 Log out

3.3 Activity Diagram

3.3.1 Register both users

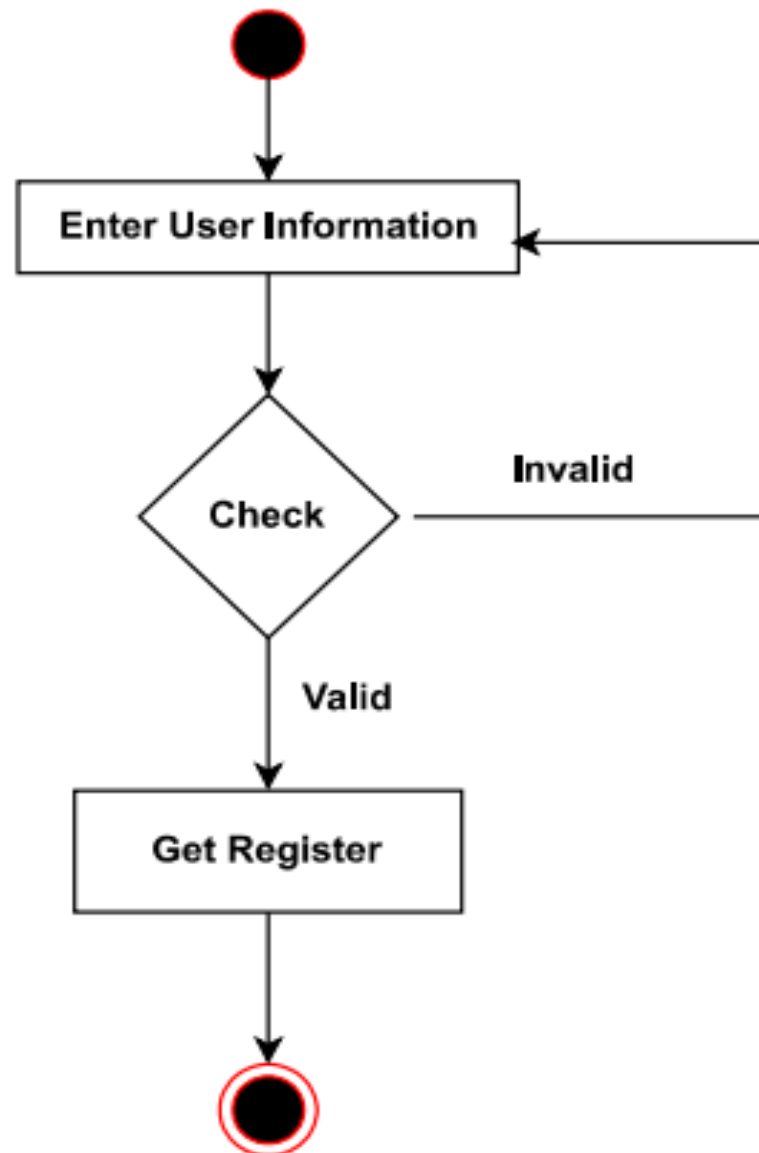


Figure: 3.3.1 Register both users

3.3.2 Log in

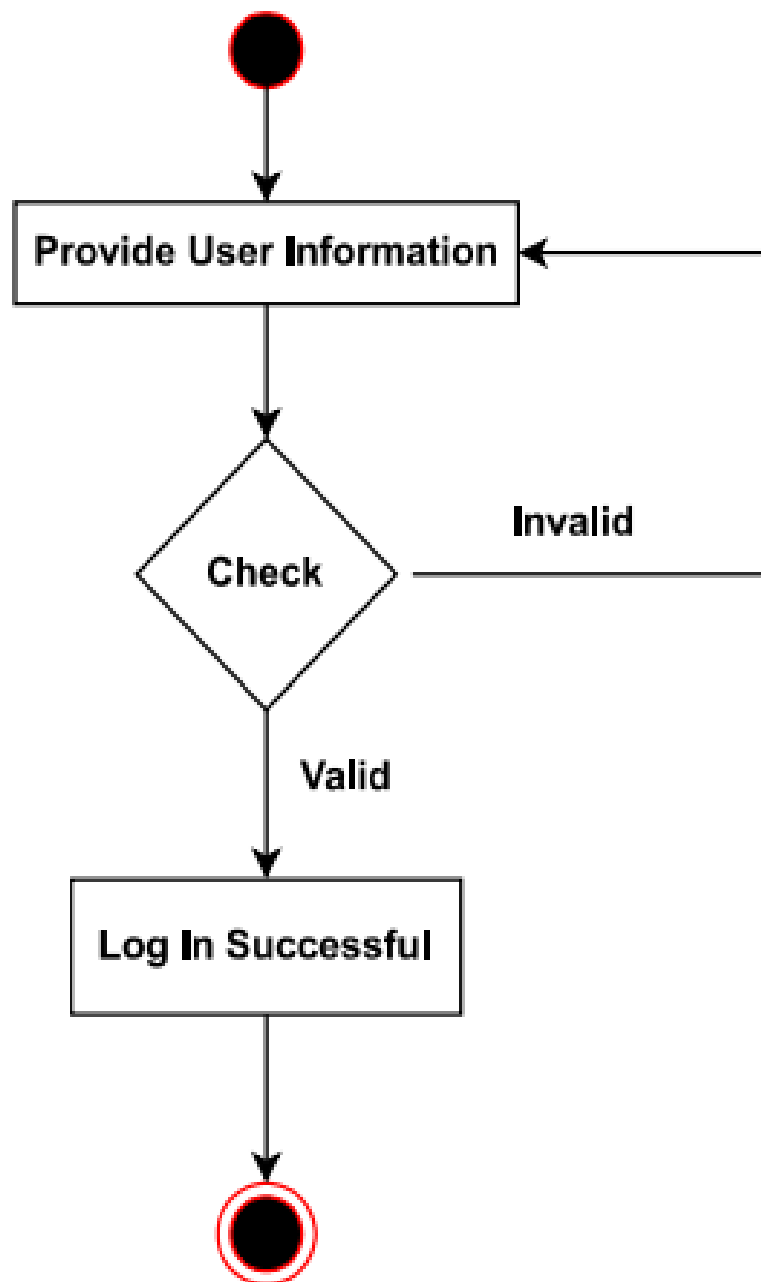


Figure: 3.3.2 Log in

3.3.3 Add Person

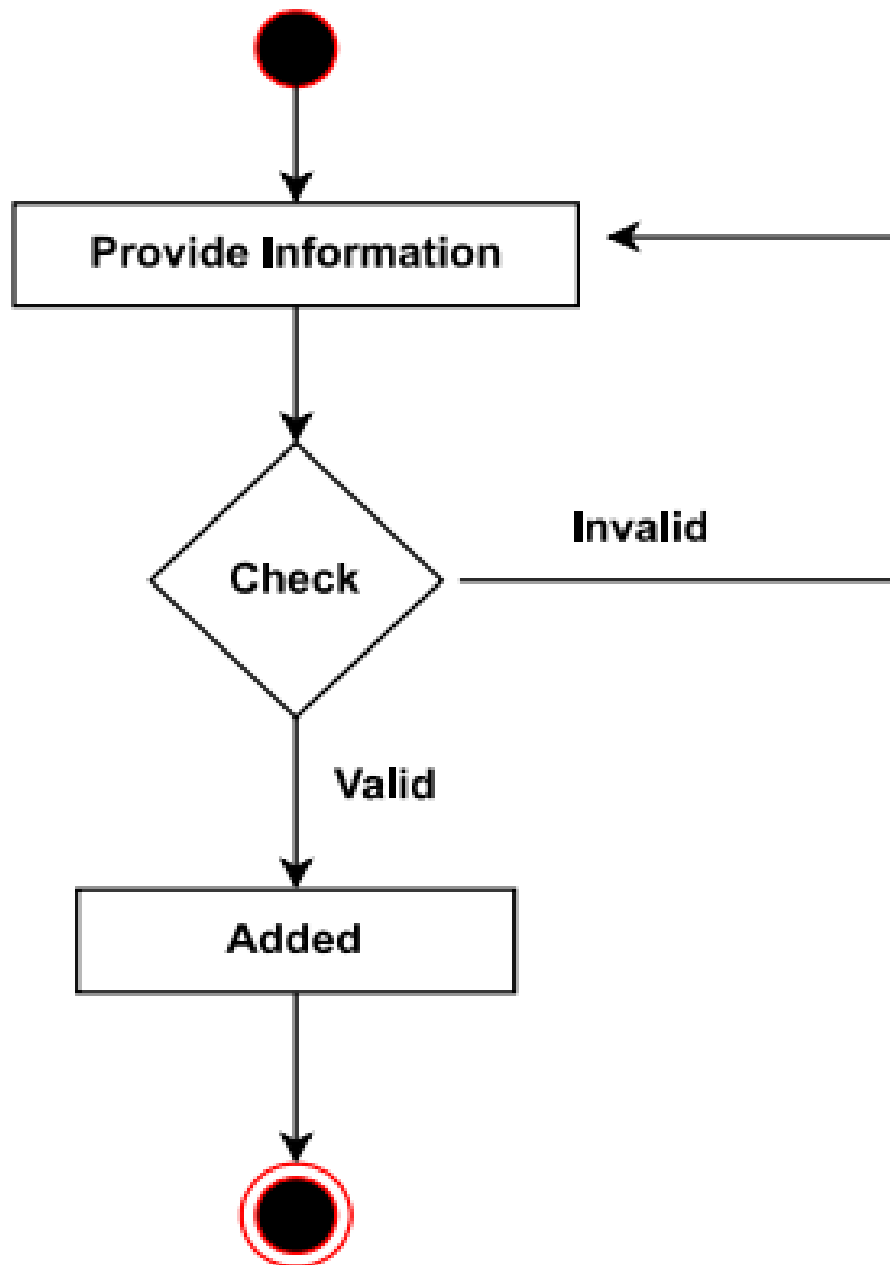


Figure: 3.3.3 Add Person

3.3.4 Update Profile

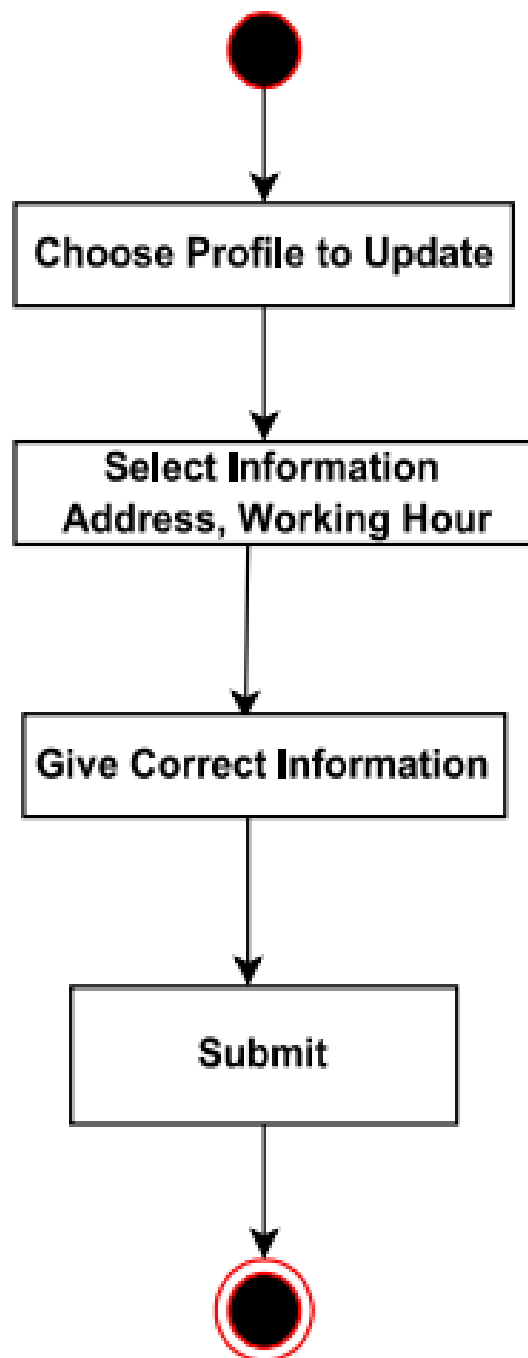


Figure: 3.3.4 Update Profile

3.3.5 Search Worker

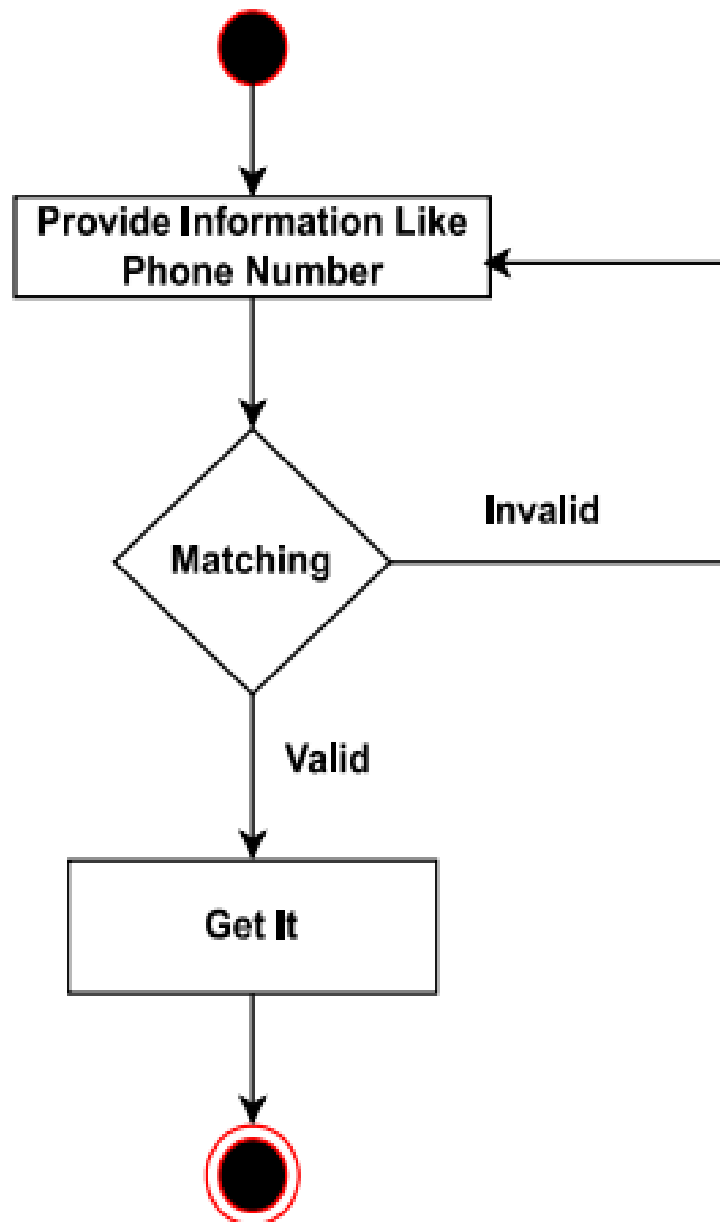


Figure: 3.3.5 Search Worker

3.3.6 Delete Profile

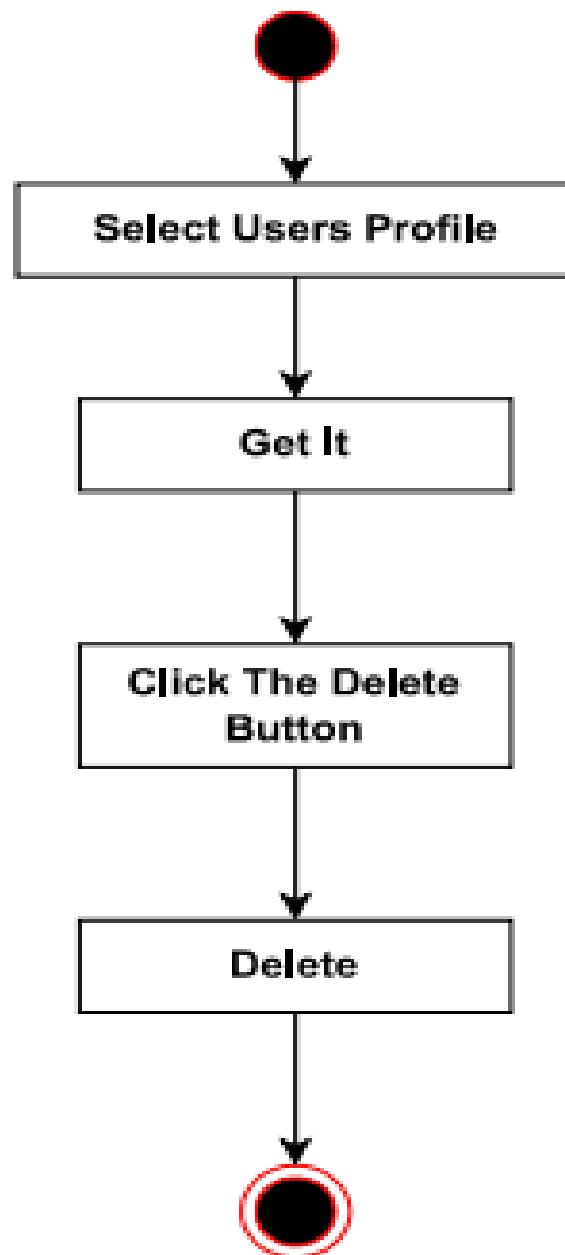


Figure: 3.3.6 Delete Profile

3.3.7 Log out

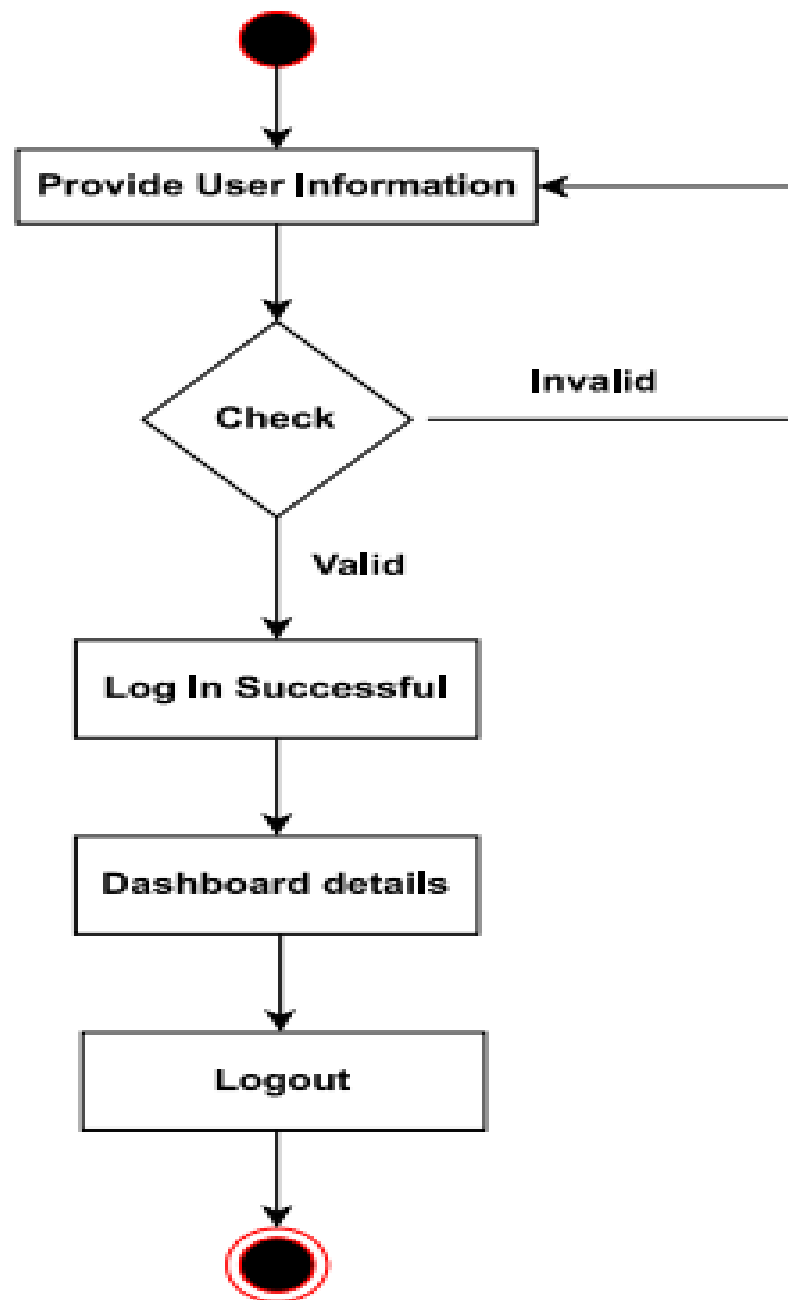


Figure: 3.3.7 Log out

3.4 System Sequence Diagram

3.4.1 Register both users

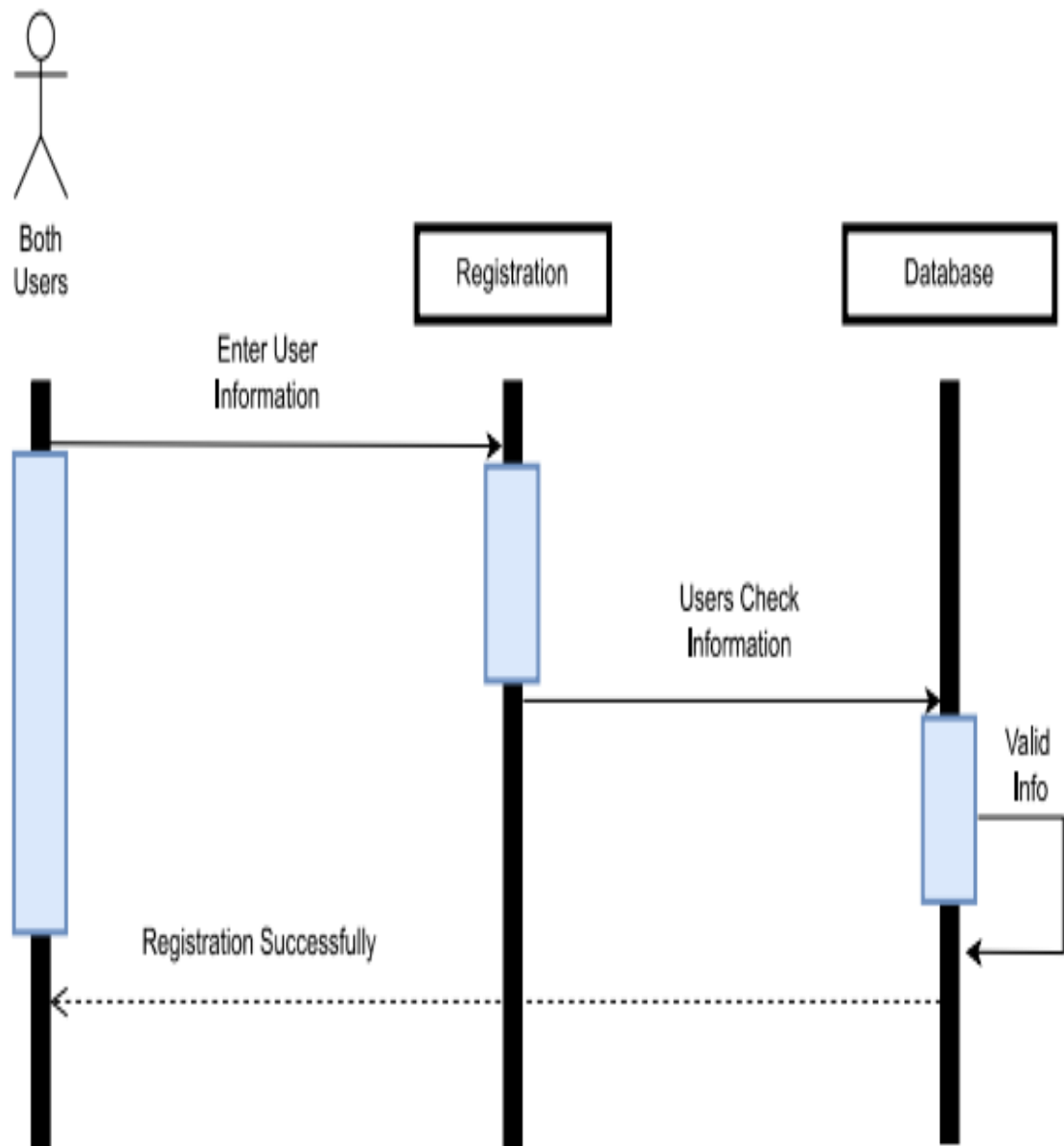


Figure: 3.4.1 Register both users

3.4.2 Log in

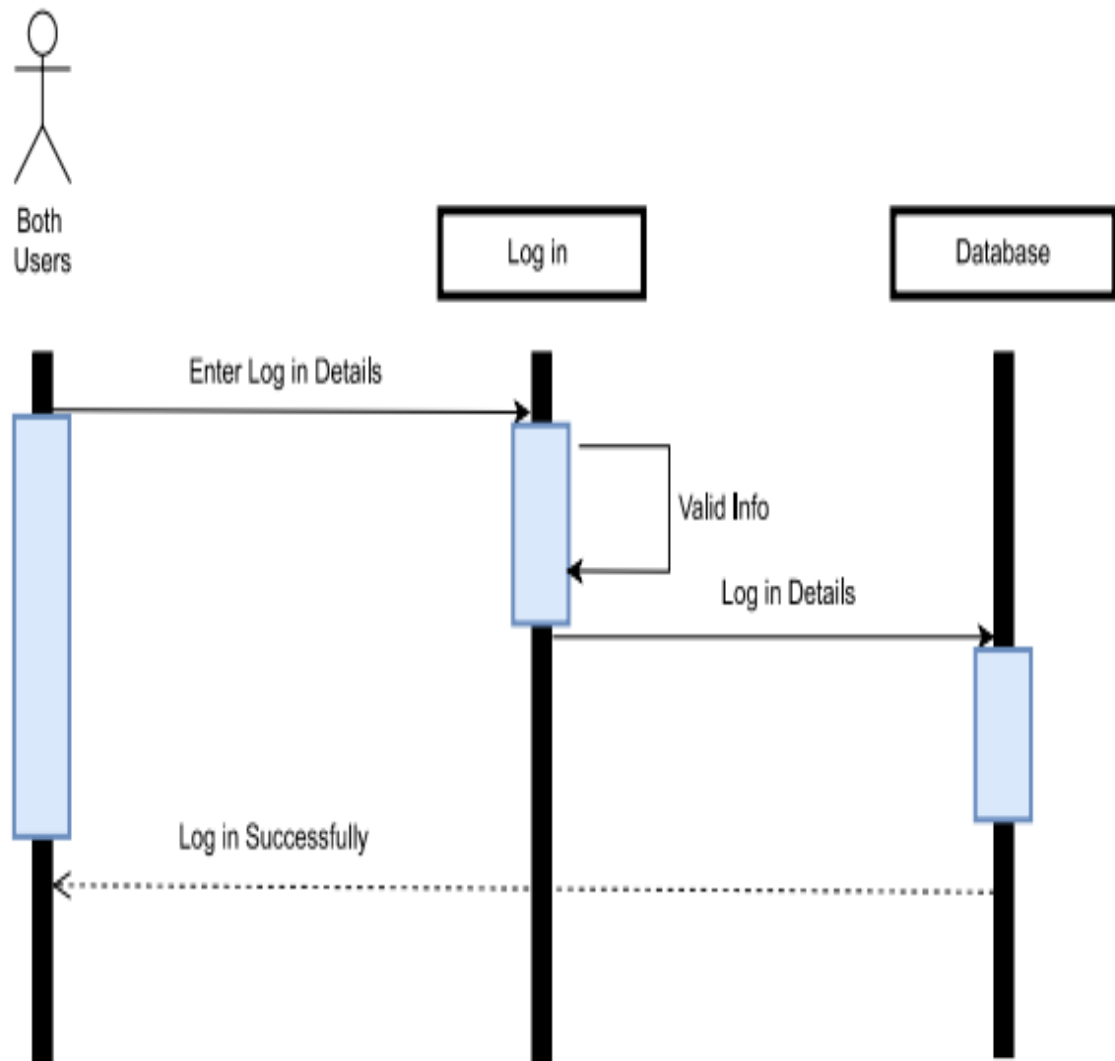


Figure: 3.4.2 Log in

3.4.3 Add Person

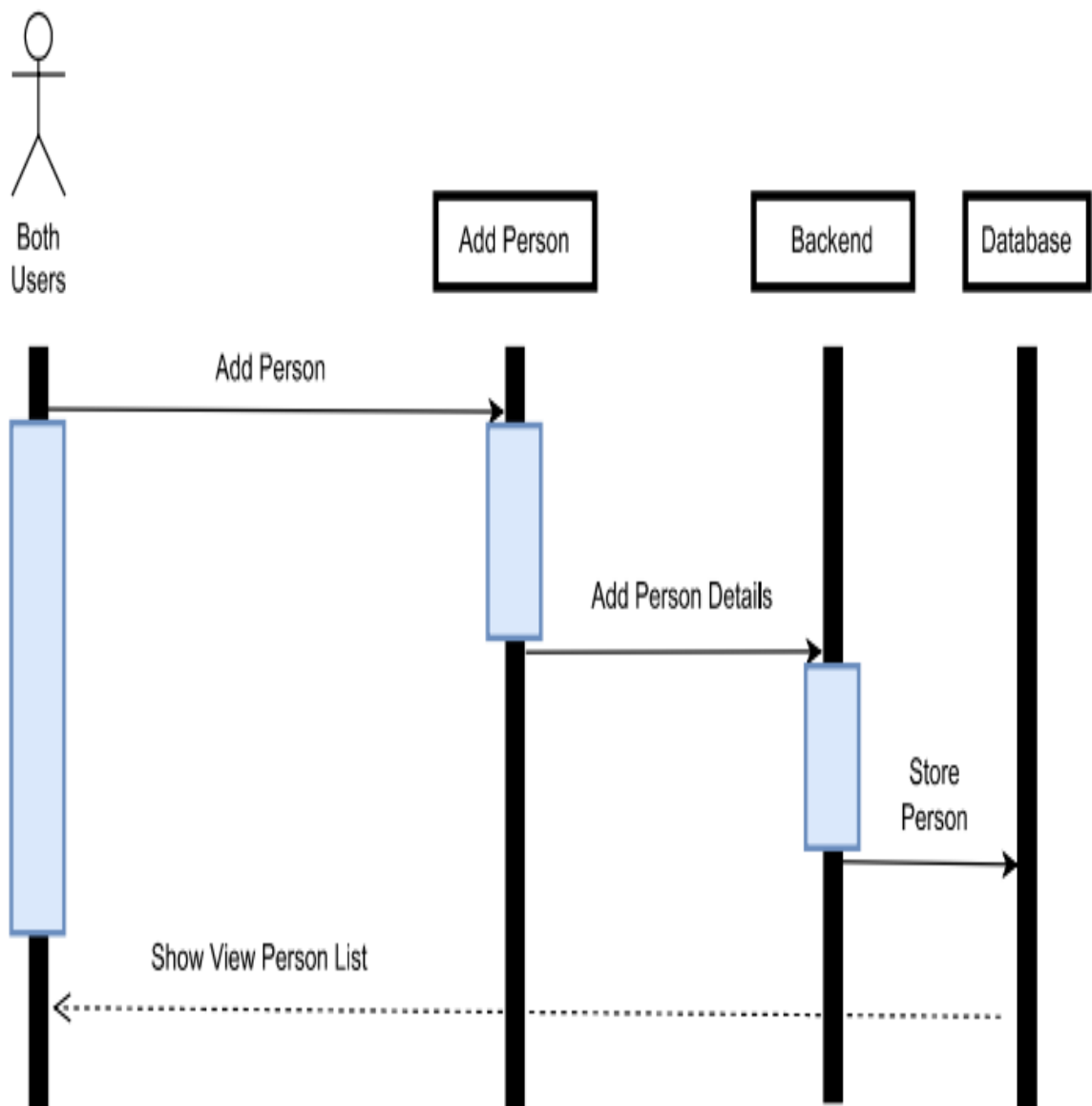


Figure: 3.4.3 Add Person

3.4.4 Update Profile

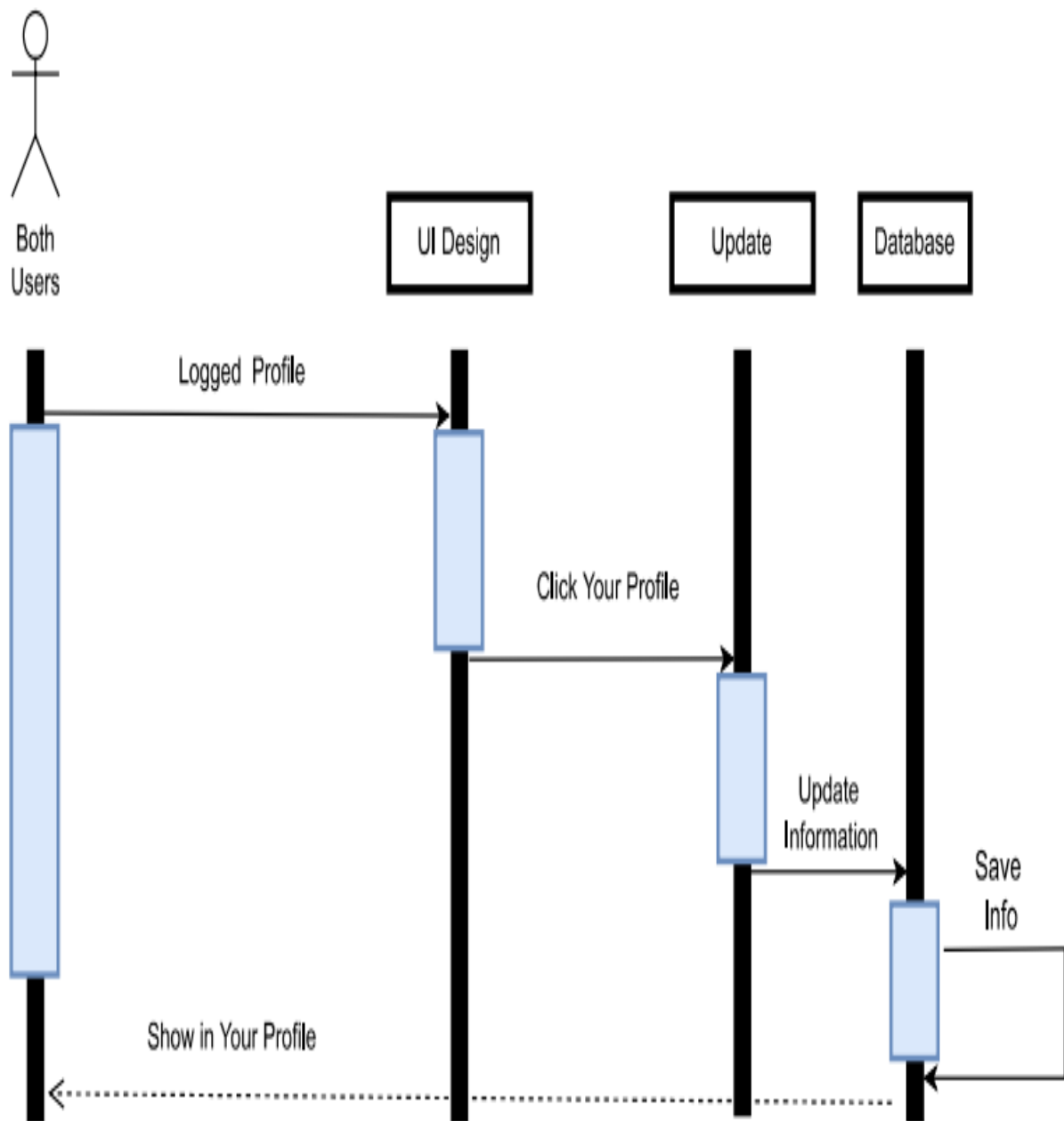


Figure: 3.4.4 Update Profile

3.4.5 Search Worker

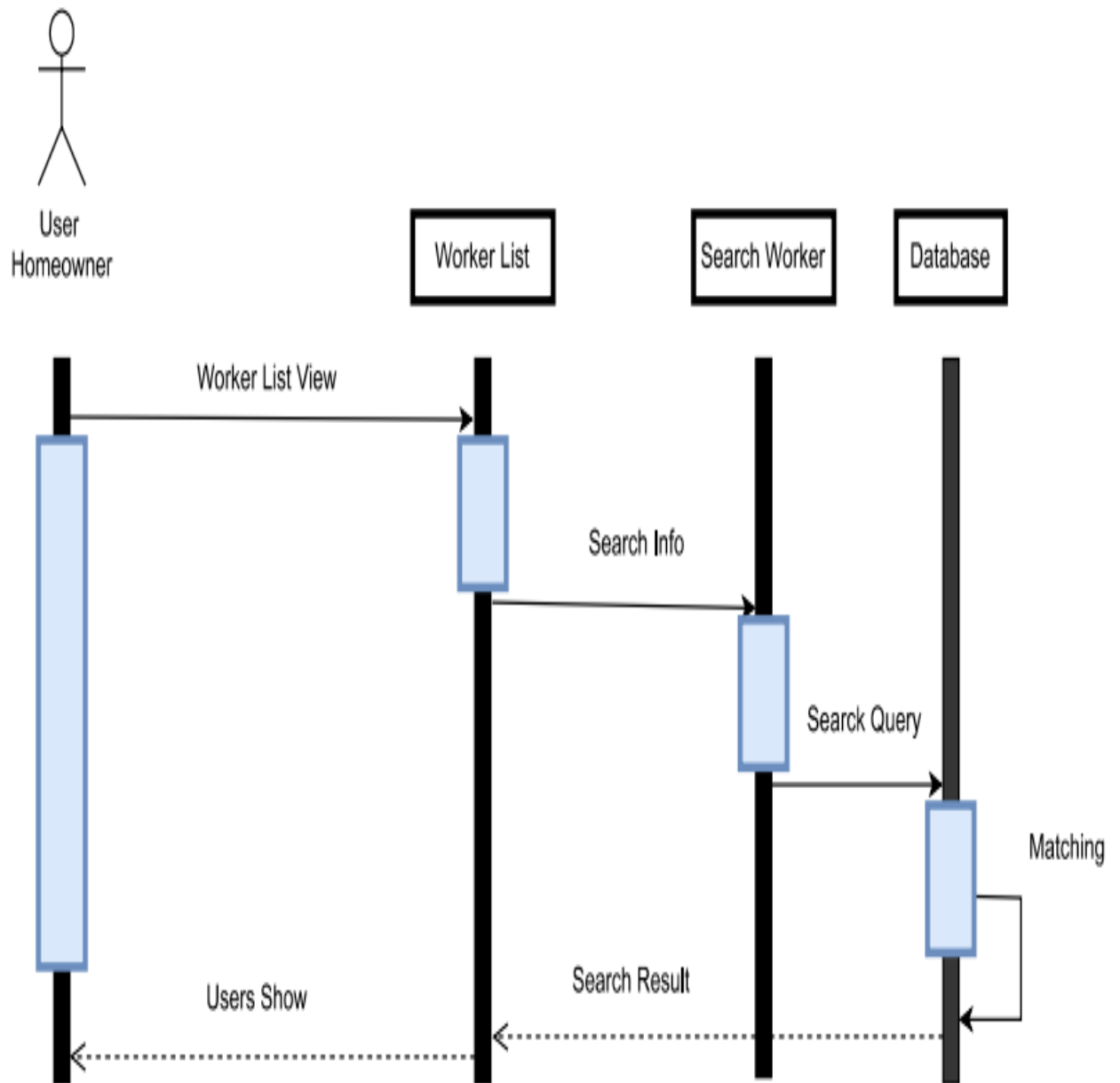


Figure: 3.4.5 Search Worker

3.4.6 Delete Profile

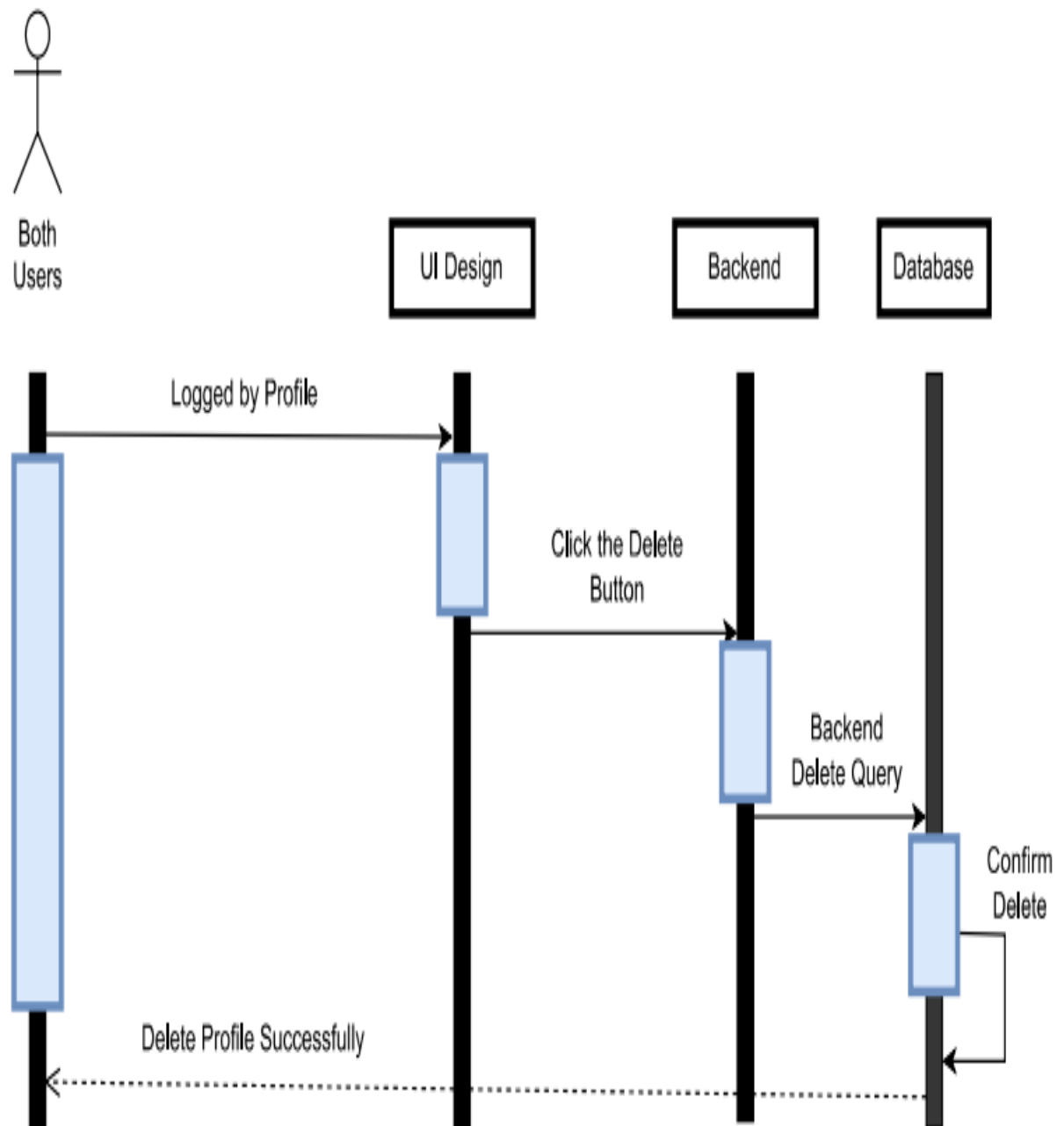


Figure: 3.4.6 Delete Profile

3.4.7 Log out

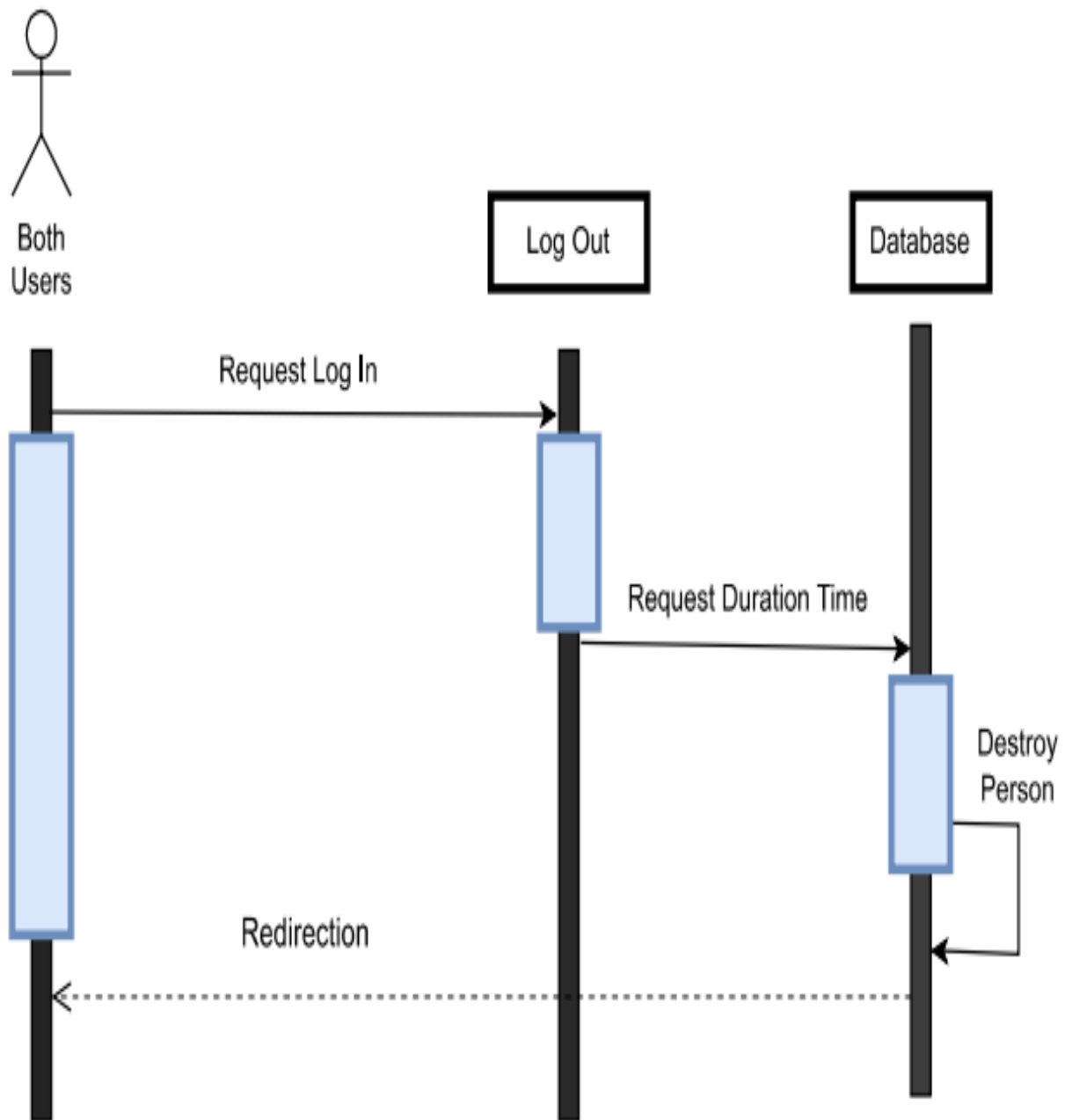


Figure: 3.4.7 Log out

Chapter 04

System Design Specification

4.1 Class Diagram

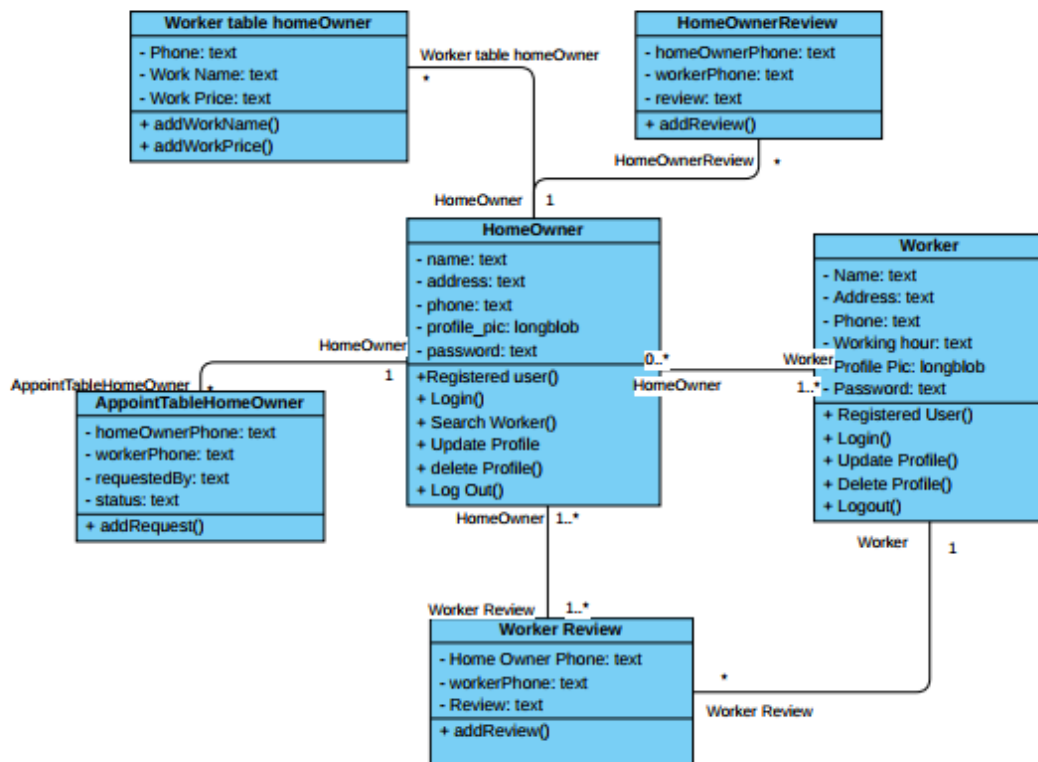


Figure: 4.1 Class Diagram

4.2 Database Design Diagram

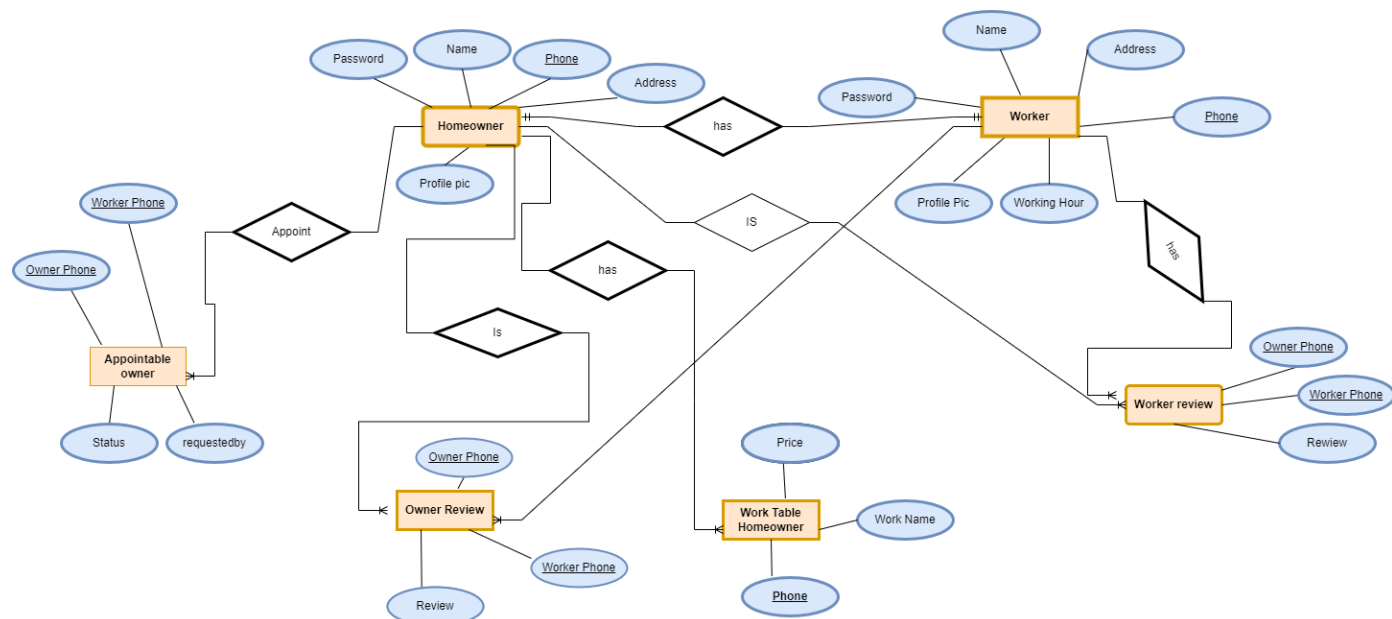


Figure: 4.2 Database Design Diagram

4.3 Development Tools & Technology

4.3.1 User Interface Technology

- Android Studio
- Emulator

4.3.2 Implementation Tools Platform

- Anaconda Prompt (anaconda3)
- VS code
- My SQL database (phpmyadmin)
- Python django
- Flutter (Dart)

4.3.3 Version Control

- Git

Chapter - 05

System Testing

5.1 Introduction

This android application is built with the public in mind. Users can use the system with many facilities that are easy to friendly. Marinating various kinds of testing processes is the necessary standard of quality. Such as –

- Acceptance Testing
- System Testing
- Integration Testing
- Functional Testing
- Unit Testing

5.1.1 Features to be tested

Number	Title	Description	Priority
i	Registration	If a user manages the application uses then the users has to first register.	3
ii	Log in	If a registered user then he/she can log in and access the application the features.	3
iii	Add Person	Registered users can add a person to the application.	3
iv	Search Worker	Users has easy find he/she worker.	2
v	Log out	The session must be ended then log out.	3

5.2 Testing Strategies

The testing strategy is an outline that describes the testing approach of the software development cycle. First, I will make sure all the required requirements develop my project part by part. Then I will see all required requirements correctly working or not. In order to meet high-level objectives from the point of product testing, test objectives from a quality assurance perspective. Functional requirements testing is where I start the testing process for this, I maintain the tested quality and I did of the tested into maintain the above.

5.2.1 Test Approach

A test approach is the project's test strategy implementation that specifies how testing will be completed. The test approach has two (2) techniques.

Proactive: An Approach in which the test design process is as early as possible and finds and fixes bugs before the build is created.

Reactive: An approach is not to begin the testing after the design and coding are finished.

5.2.2 Pass/Fail Criteria

The test engineers will be step by pass or fail standards. They will prepare the pass or fail criteria on the basis of which input data are worked and which does not work well. Each particular test case specification includes a list of the pass or fail. A test case is deemed successful if it has found some problem or deviated from the expected result. Those data that work well will be considered as pass criteria. And rest of the input data will be considered as failed criteria.

5.2.3 Black Box Testing

Black box testing is a software testing method of structure, design and implementation by internal testing that is not known to the tester. Its testing can be both functional, non-functional and regression testing. It ignores the internal medium of system. Only the external structure and design are put to the test.

5.2.4 White Box Testing

White box testing is a software testing method in which the internal structure and implementation of the item being tested is known to the tester. Implementation and impact of the code are tested. It's opposite to the black box testing. Its testing can be both path, loop, and condition testing. White box testing can be classified into some situations. As like Integration, System and Unit testing.

5.2.5 Testing Schedule

This table describe testing schedule of my project:

Test Phase	Week
Test Plan	1 Week
Test Specification	2 Weeks
Test Specification Team	2 Weeks
Component Test	3 Weeks
Integration	2 Weeks
System Testing	3,4 Weeks

5.3 Testing Environment (Hardware / Software requirements)

A testing environment is a software and hardware configuration that enable testing teams to run test cases. In other words. It's enabled test execution on hardware, software, and networks that are appropriately setup. The test environment or test bed is set up is setup in according to the requirements of the application under test. By creating the ideal test environment, software, testing success is ensured. Any errors in the procedure may result in customer incurring more costs and effort.

Hardware

- OS: Windows 10/11
- Processor: intel COREi5 8th gen (Minimum)
- RAM: 8GB (Minimum)
- Hard drive: 1TB
- SSD: 256GB

Software

- Browser: Google Chrome, Brave

5.4 Test Cases

A test cases is a written document, that was created for particular test data expected result and postconditions, developed it contains set of particular tests in order to verify compliance against a specific requirement. It applying a set of input values, the test cases act as the starting points for the test execution. Which serves as the beginning point for the test run it's postconditions.

Table Test Cases

01 Log in

Test case: 01	Test case Name: Log in (Homeowner)
System: Log in (Homeowner)	Subsystem: N/A
Designed By: Md Fardin Ahsan Habib	Designed date: 25.10.2022
Execute By: Md Fardin Ahsan Habib	Execute date: 27.10.2022

Test Case No	Test Case Description	Test Steps	Test Data	Expected result	Actual result	Pass/Fail
1	User log in with valid data.	1. Go to the application. 2. Enter user type 3. Enter username 4. Enter password 4. Click log in button.	User type = Homeowner Username = Fardin Password = 12345	User show log in into an application.	Expected	Pass

Table 5.4.1: Log in (Homeowner)

02 Log in

Test case: 02	Test case Name: Log in (Worker)
System: Log in (Worker)	Subsystem: N/A
Designed By: Md Fardin Ahsan Habib	Designed date: 25.10.2022
Execute By: Md Fardin Ahsan Habib	Execute date: 27.10.2022

Test Case No	Test Case Description	Test Steps	Test Data	Expected result	Actual result	Pass/Fail
1	User log in with valid data.	1. Go to the application. 2. Enter user type 3. Enter username 4. Enter password 4. Click log in button.	User type = Worker Username = Asma Password = 123456	User show log in into an application.	Expected	Pass

Table 5.4.2: Log in (Worker)

03 Add Person

Test case: 03	Test case Name: Add Person (Homeowner)
System: Add Person (Homeowner)	Subsystem: N/A
Designed By: Md Fardin Ahsan Habib	Designed date: 25.10.2022
Execute By: Md Fardin Ahsan Habib	Execute date: 27.10.2022

Test Case No	Test Case Description	Test Steps	Test Data	Expected result	Actual result	Pass/Fail
1	Access into the application	1. Go to the application. 2. The information where the information will be given to that info. 3. And click the submit button.	User type = Homeowner Name = Ahsan Upload Profile Picture Phone = 123 Password = 123	User show log in into an application.	Expected	Pass

Table 5.4.3: Add Person (Homeowner)

04 Add Person

Test case: 04	Test case Name: Add Person (Worker)
System: Add Person (Worker)	Subsystem: N/A
Designed By: Md Fardin Ahsan Habib	Designed date: 25.10.2022
Execute By: Md Fardin Ahsan Habib	Execute date: 27.10.2022

Test Case No	Test Case Description	Test Steps	Test Data	Expected result	Actual result	Pass/Fail
1	Access into the application.	1. Go to the application. 2. The information where the information will be given to that info. 3. And click the submit button.	User type = Worker Name = Asma Address = Dhaka Upload Profile Picture Phone = 123456 Working Hour = 9-12 am Password = 123456	User show log in into an application.	Expected	Pass

Table 5.4.4: Add Person (Worker)

05 Search Worker

Test case: 05	Test case Name: Search Worker
System: Search Worker	Subsystem: N/A
Designed By: Md Fardin Ahsan Habib	Designed date: 25.10.2022
Execute By: Md Fardin Ahsan Habib	Execute date: 27.10.2022

Test Case No	Test Case Description	Test Steps	Test Data	Expected result	Actual result	Pass/Fail
1	To find person	1. Access in to the application. 2. Click the search box. 3. I need to find the person number of whom i find.	Phone = 123456 and search.	The person whose phone number 123456 has been found as “Asma” profile.	Expected	Pass

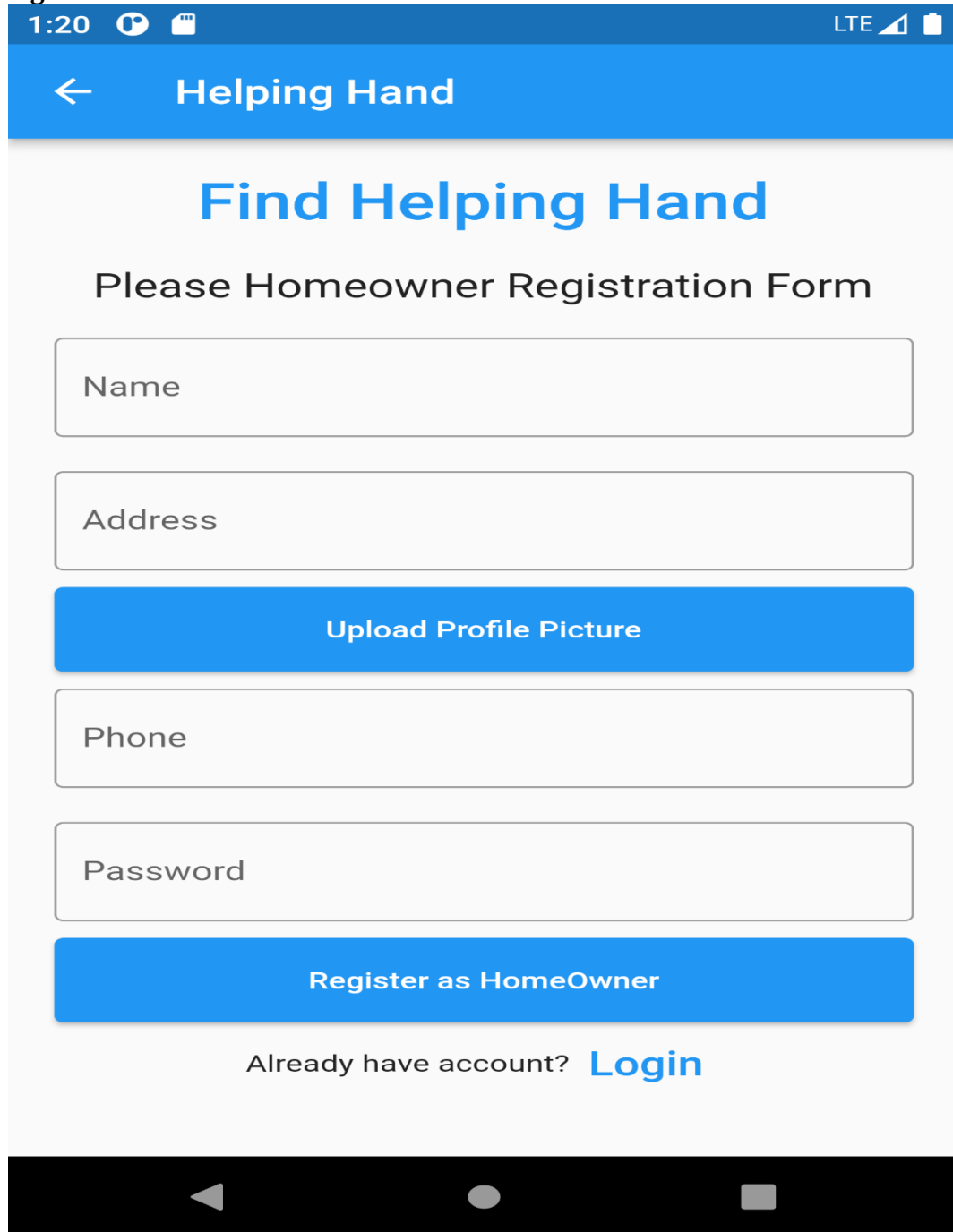
Table 5.4.5: Search Worker

Chapter 06

User Manual

6.1 Homeowner

6.1.1 Registration Form



The screenshot shows a mobile application interface for 'Helping Hand'. At the top, there is a blue header bar with a back arrow and the text 'Helping Hand'. Below this, the main title 'Find Helping Hand' is displayed in a large blue font. Underneath the title, the text 'Please Homeowner Registration Form' is shown. The form consists of several input fields: 'Name', 'Address', 'Phone', and 'Password'. There is a blue button labeled 'Upload Profile Picture' between the 'Address' and 'Phone' fields. At the bottom of the form, there is a large blue button labeled 'Register as HomeOwner'. Below this button, the text 'Already have account?' is followed by a blue link labeled 'Login'. The entire form is set against a light gray background. At the very bottom, there is a black bar with three white icons: a back arrow, a circle, and a square.

Figure 6.1.1: UI (Homeowner Registration Form)

6.1.2 Form fill-up

The image shows a mobile application interface for 'Helping Hand'. At the top, there is a blue header bar with a back arrow and the text 'Helping Hand'. Below this, the main title 'Find Helping Hand' is displayed in a large blue font. The subtitle 'Please Homeowner Registration Form' is in a smaller black font. The form consists of several input fields: 'Name' with the value 'Mico', 'Address' with the value 'Dhaka', 'Phone' with the value '01822123123', and 'Password' with masked characters '.....'. There are two prominent blue buttons: 'Upload Profile Picture' and 'Register as HomeOwner'. At the bottom, there is a link 'Already have account? Login' in blue text. The entire form is set against a light gray background, and the mobile app's status bar and navigation bar are visible at the top and bottom respectively.

1:45

← Helping Hand

Find Helping Hand

Please Homeowner Registration Form

Name

Address

[Upload Profile Picture](#)

Phone

Password

[Register as HomeOwner](#)

Already have account? [Login](#)

Figure 6.1.2: UI (Homeowner Form fill-up)

6.1.3 Log in

The image shows a mobile application interface for 'Helping Hand'. At the top, there is a blue header bar with the text 'Helping Hand' in white. Below the header, the main content area has a light gray background. The title 'Find Helping Hand' is centered in a large, bold, black font. Underneath the title, the word 'Login' is centered in a smaller, regular black font. There are two input fields: the first is labeled 'User Name' and contains the text 'Fardin'; the second is labeled 'Password' and contains three dots. Below these fields, the text 'User Type: HomeOwner' is displayed with a downward arrow indicating a dropdown menu. A large blue button with the text 'Login' in white is positioned below the user type. At the bottom of the main content area, there are two lines of text: 'Looking for Homeowner ?' followed by a blue link 'Register', and 'Are you looking for worker?' followed by a blue link 'Register'. The entire app interface is framed by a dark blue status bar at the top showing the time '1:51' and various icons, and a black Android navigation bar at the bottom.

1:51

Helping Hand

Find Helping Hand

Login

User Name

Fardin

Password

...

User Type: HomeOwner ▾

Login

Looking for Homeowner ? [Register](#)

Are you looking for worker? [Register](#)

Figure 6.1.3: UI (Homeowner Log in)

6.1.4 Homepage

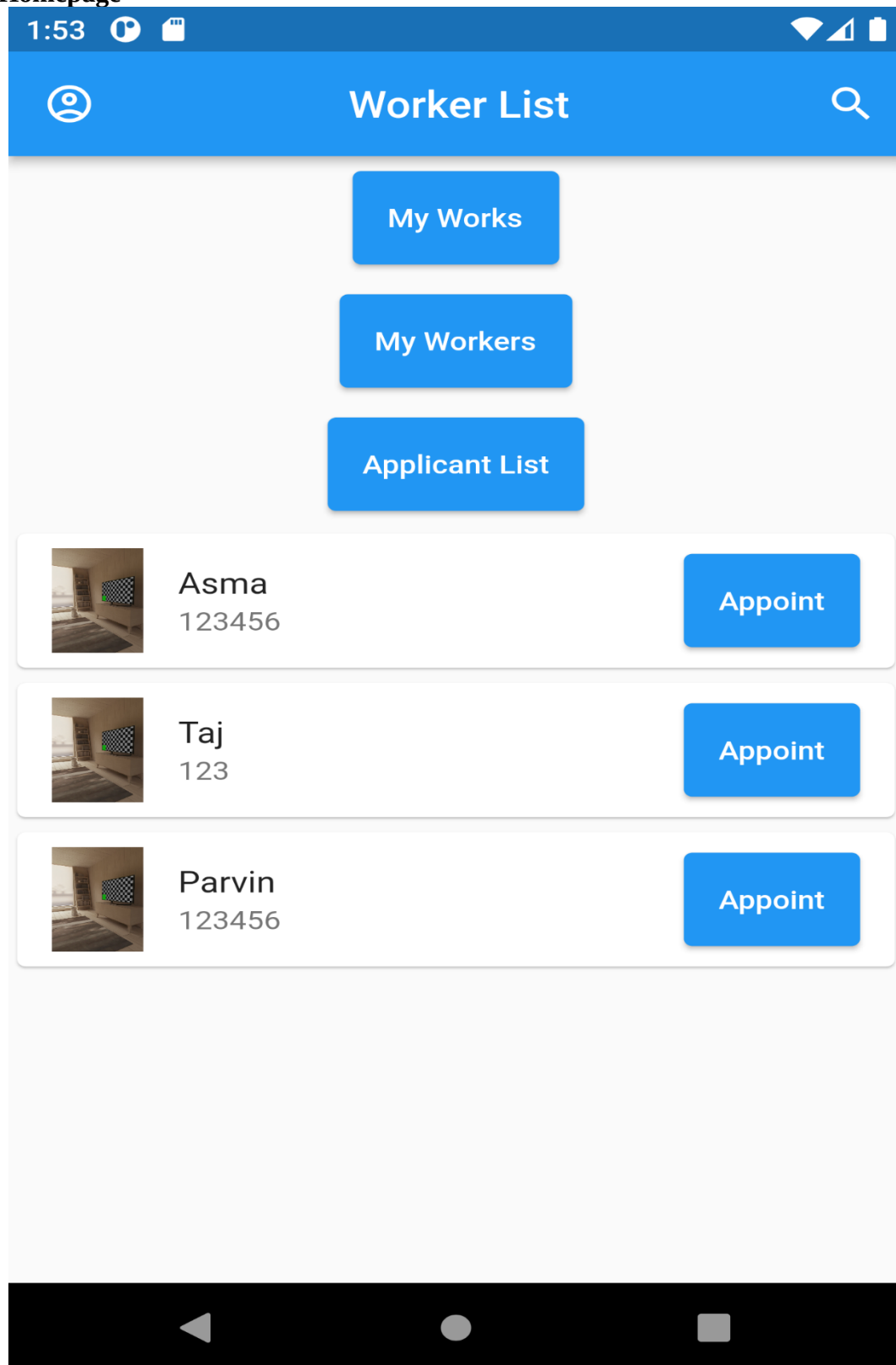


Figure 6.1.4: UI (Homeowner Homepage)

6.1.5 Profile

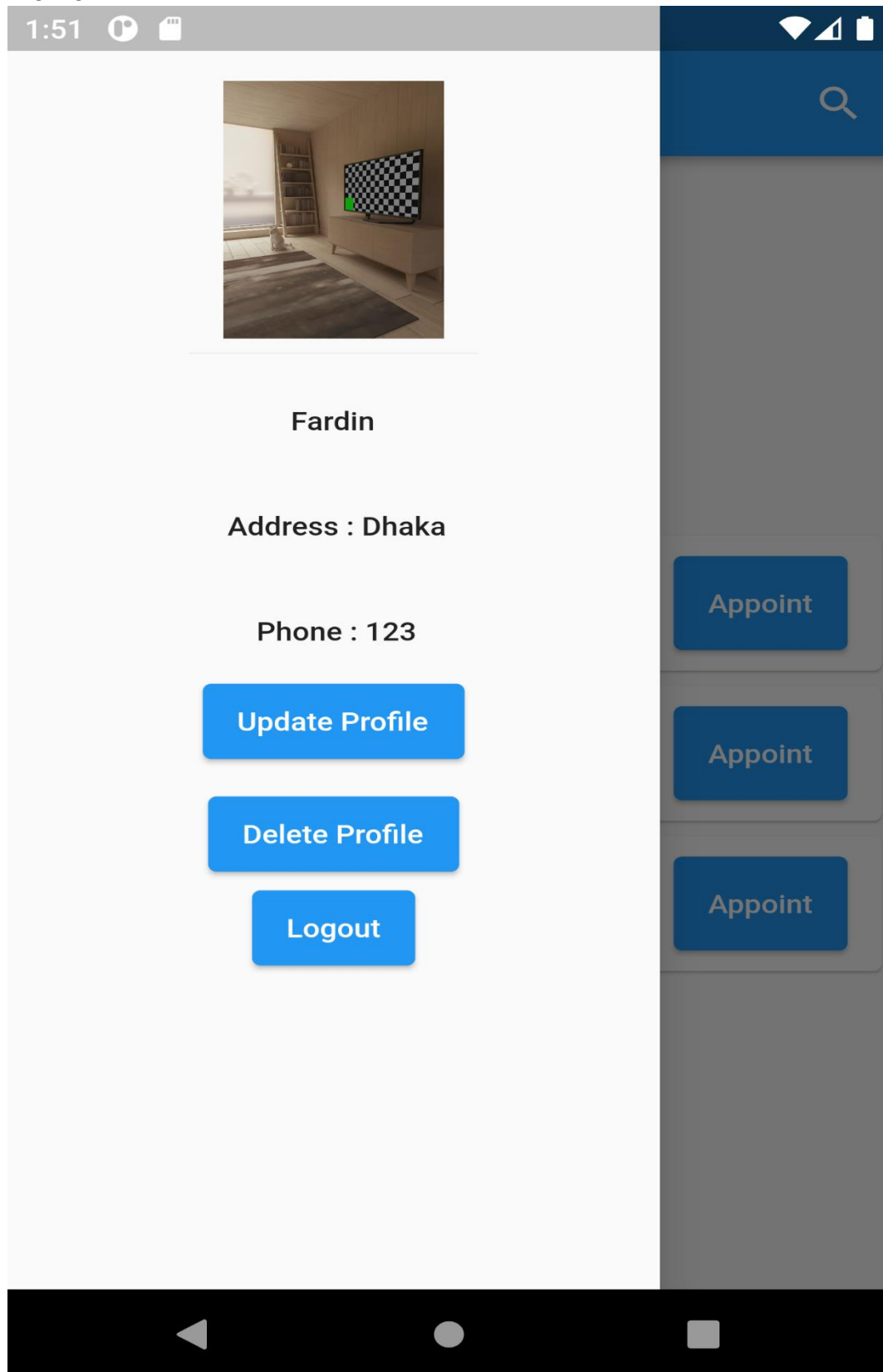


Figure 6.1.5: UI (Homeowner Profile)

6.1.6 Update profile

The screenshot displays a mobile application interface for updating a profile. At the top, a blue header bar contains a back arrow and the title "Update Profile". Below this, the section "Update Address" is centered. A text input field labeled "Address" contains the text "Rangpur". A blue "Submit" button is positioned below the input field. A red rounded rectangle with the text "Update Successful" is centered on the screen. At the bottom, a virtual keyboard is visible, showing the text "Rangpur" in the input field. The keyboard has a light gray background with black letters and a green checkmark button on the right. The status bar at the very top shows the time "1:50" and various icons.

Figure 6.1.6: UI (Homeowner Update Profile)

6.1.7 Worker List

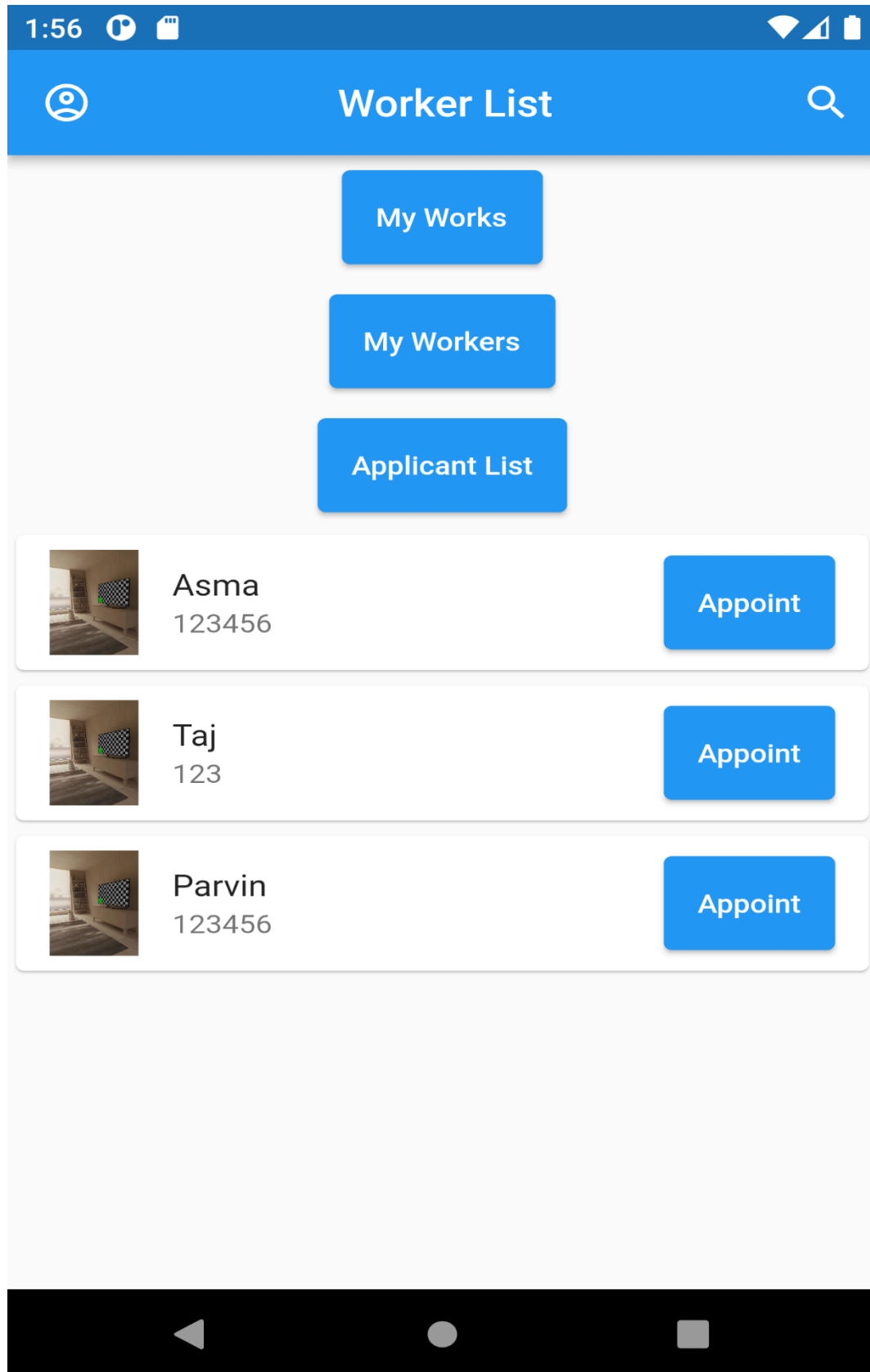


Figure 6.1.7: UI (Homeowner Worker List)

6.1.8 Works and Amount

The image shows a mobile application interface for a feature titled "My Works". At the top, there is a blue header bar with a white back arrow icon on the left and the text "My Works" in the center. Below the header, the main content area has a light gray background. It contains two sections: the first is labeled "Work Name" in bold black text, followed by a white rectangular input field with a thin gray border containing the placeholder text "Work Name"; the second is labeled "Amount" in bold black text, followed by a similar white rectangular input field with the placeholder text "Amount". Below these two input fields is a solid blue rectangular button with the word "Submit" in white text. At the very bottom of the screen is a black Android navigation bar with three icons: a white triangle pointing left, a white circle, and a white square.

Figure 6.1.8: UI (Homeowner Works and Amount)

6.1.9 Works and Amount fill-up

The image shows a mobile application interface for managing 'My Works'. At the top, there is a blue header bar with a back arrow and the title 'My Works'. Below the header, the form is divided into two sections. The first section is titled 'Work Name' and contains a text input field with the placeholder text 'Work Name'. The second section is titled 'Amount' and contains a text input field with the placeholder text 'Amount'. Below the input fields, there is a blue button with a red circular overlay that says 'Update Successful'. At the bottom, there is a list of works. The first item in the list is 'Work Name: Wash Cloths' with a salary of '1000'. To the right of this item is a blue button with a white trash icon. The entire interface is set against a light gray background with a white status bar at the top and a black navigation bar at the bottom.

2:00

← My Works

Work Name

Work Name

Amount

Amount

Update Successful

Work Name: Wash Cloths
Salary: 1000

🗑️

Figure 6.1.9: UI (Homeowner Works and Amount fill-up)

6.1.10 Delete Work

2:01

← My Works

Work Name

Work Name

Amount

Amount

Submit

Work Name: Wash Cloths
Salary: 1000

🗑️

Figure 6.1.10: UI (Homeowner Delete Work)

6.1.11 Appoint Click

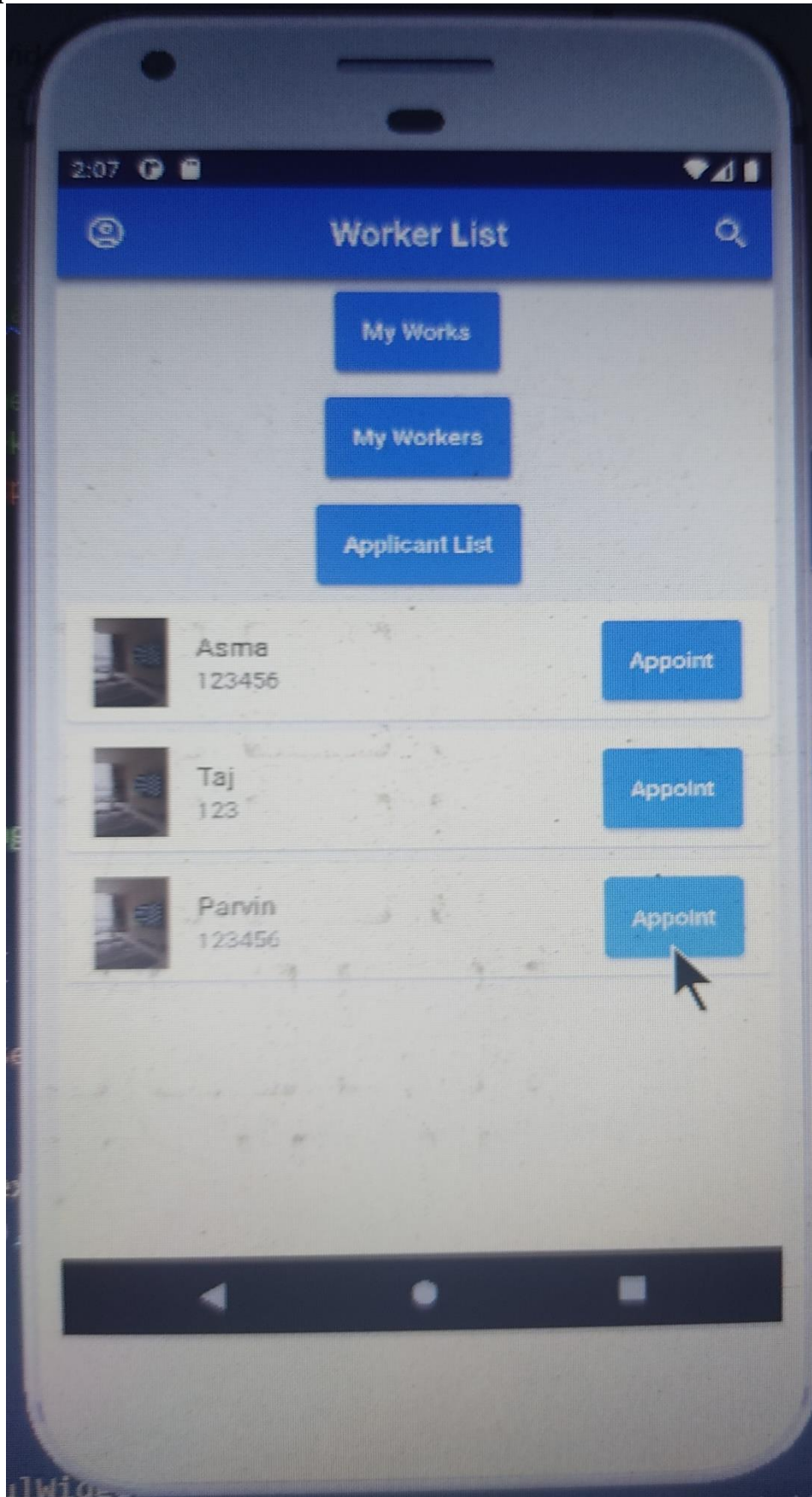


Figure 6.1.11: UI (Homeowner Appoint Click)

6.1.12 Appoint Confirm

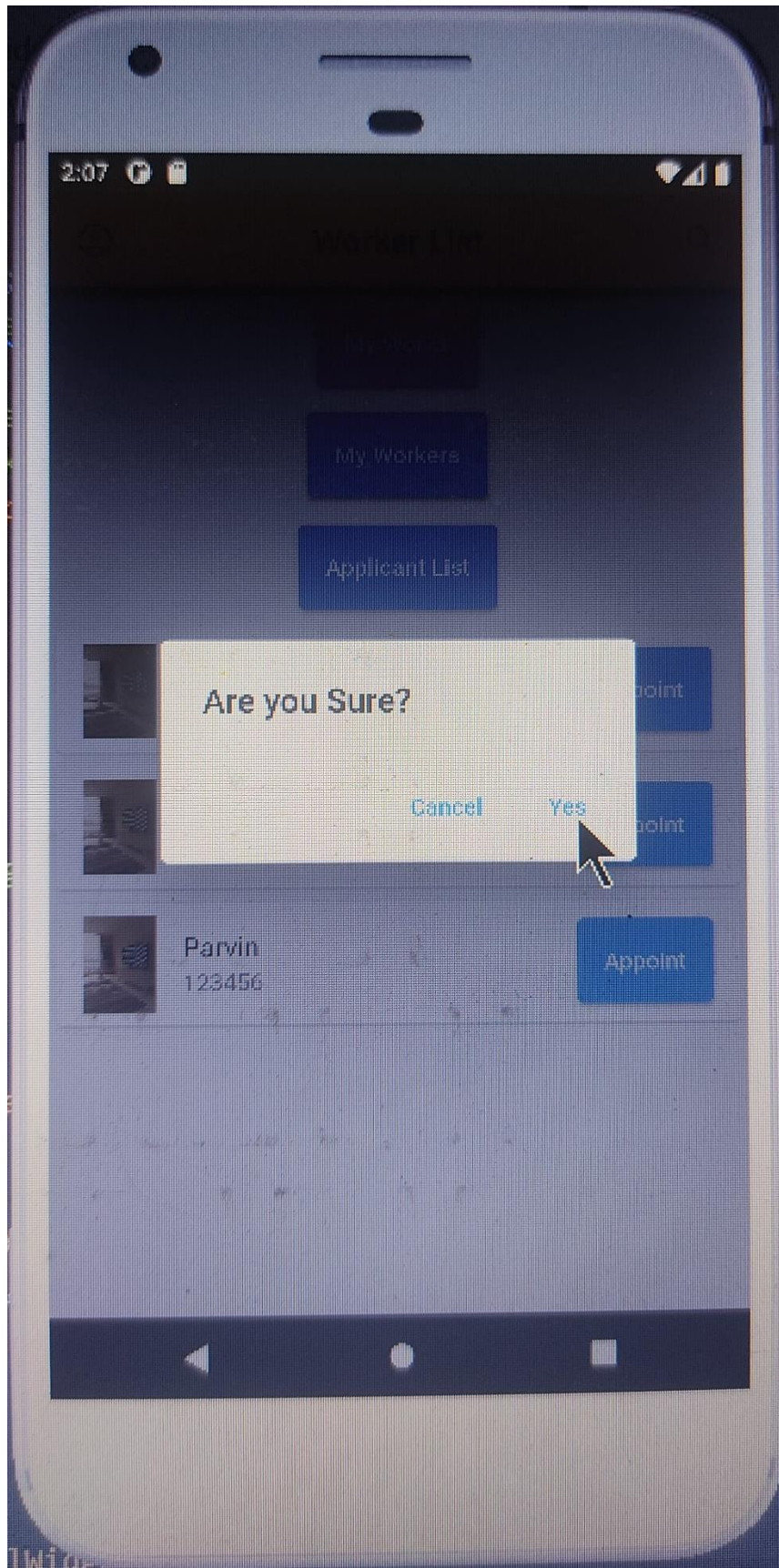


Figure 6.1.12: UI (Homeowner Appoint Confirm)

6.1.13 Appoint Confirm Done

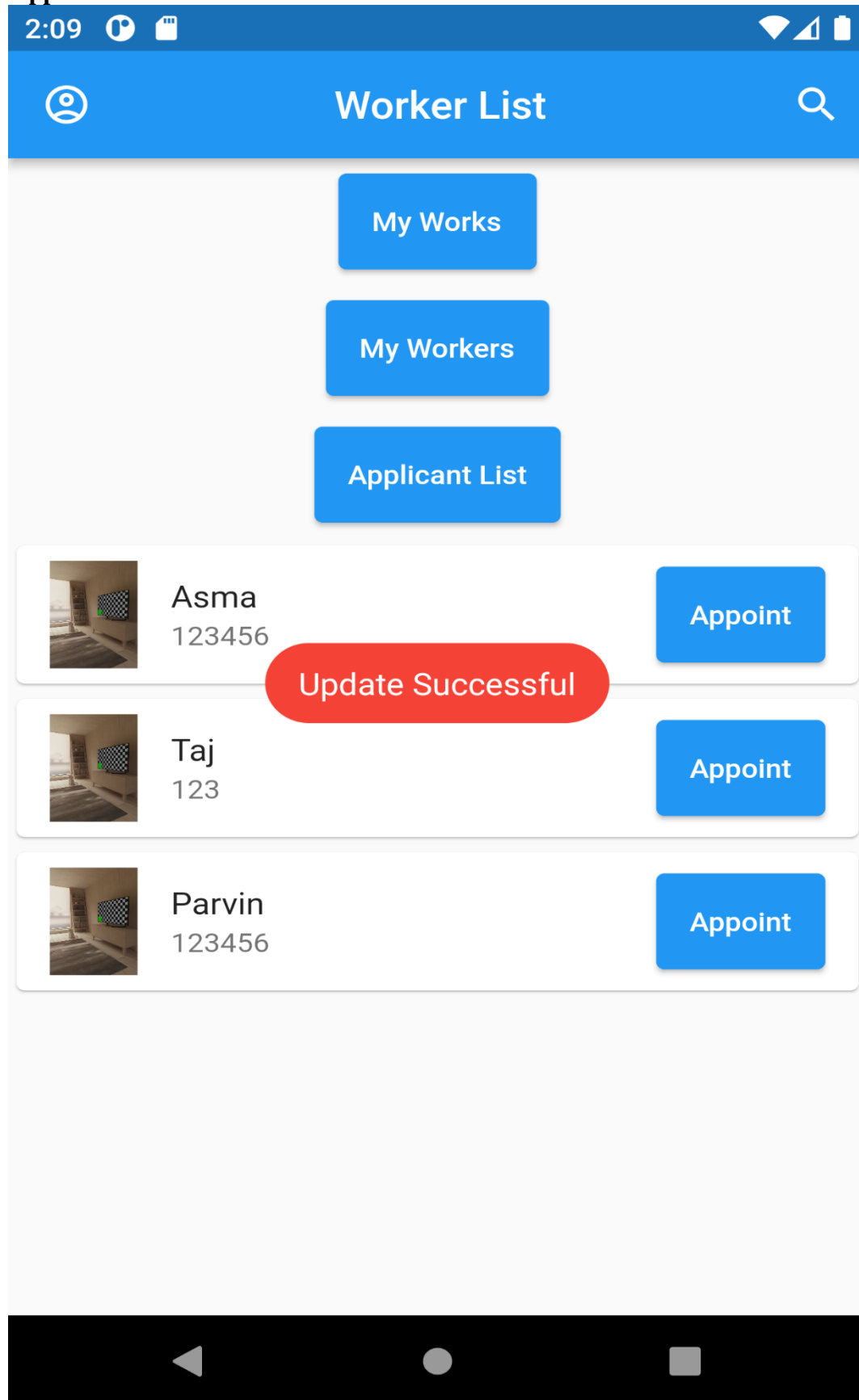


Figure 6.1.13: UI (Homeowner Appoint Confirm Done)

6.1.14 Worker Appoint

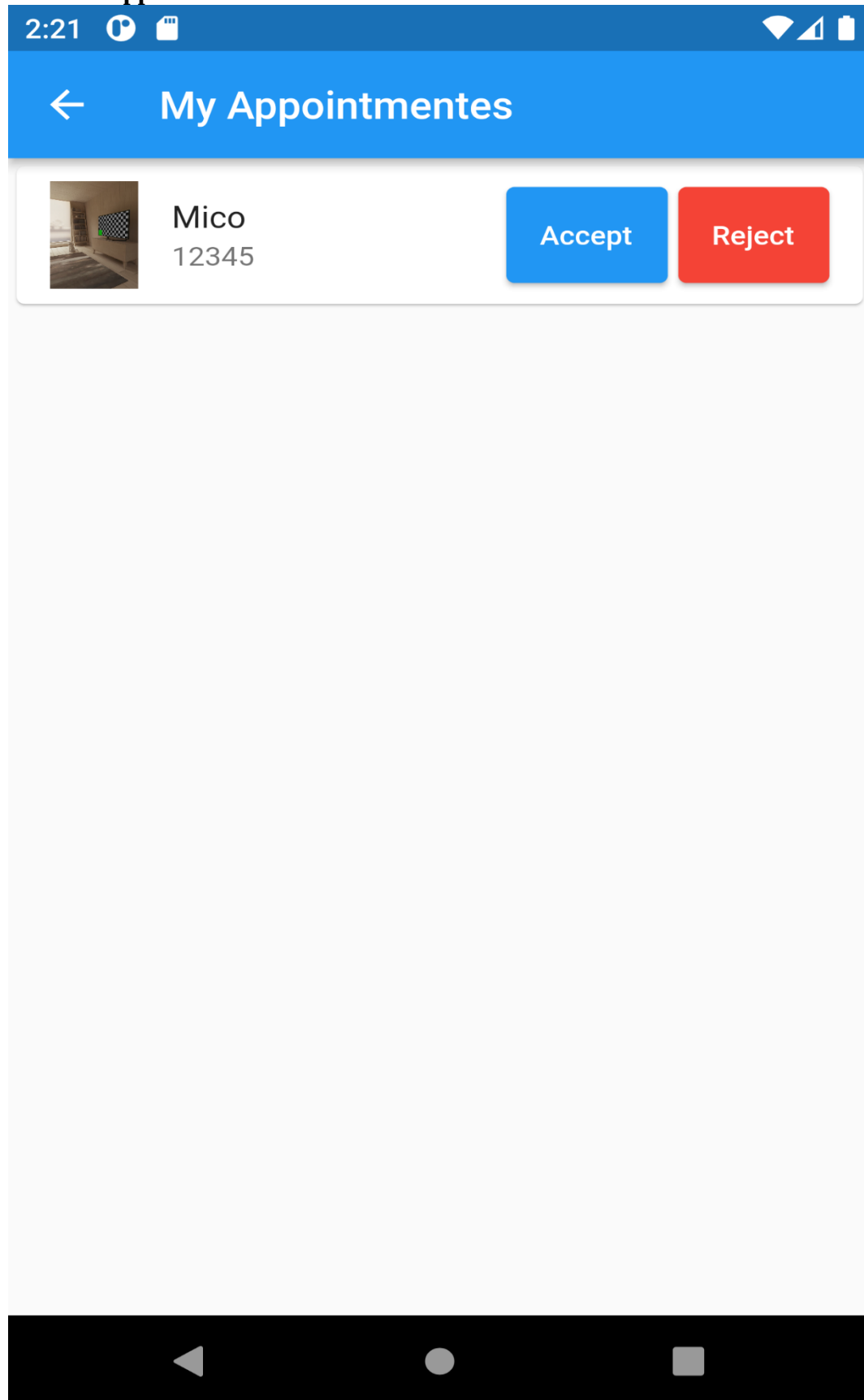


Figure 6.1.14: UI (Homeowner Worker Appoint)

6.1.15 Worker Accept Work

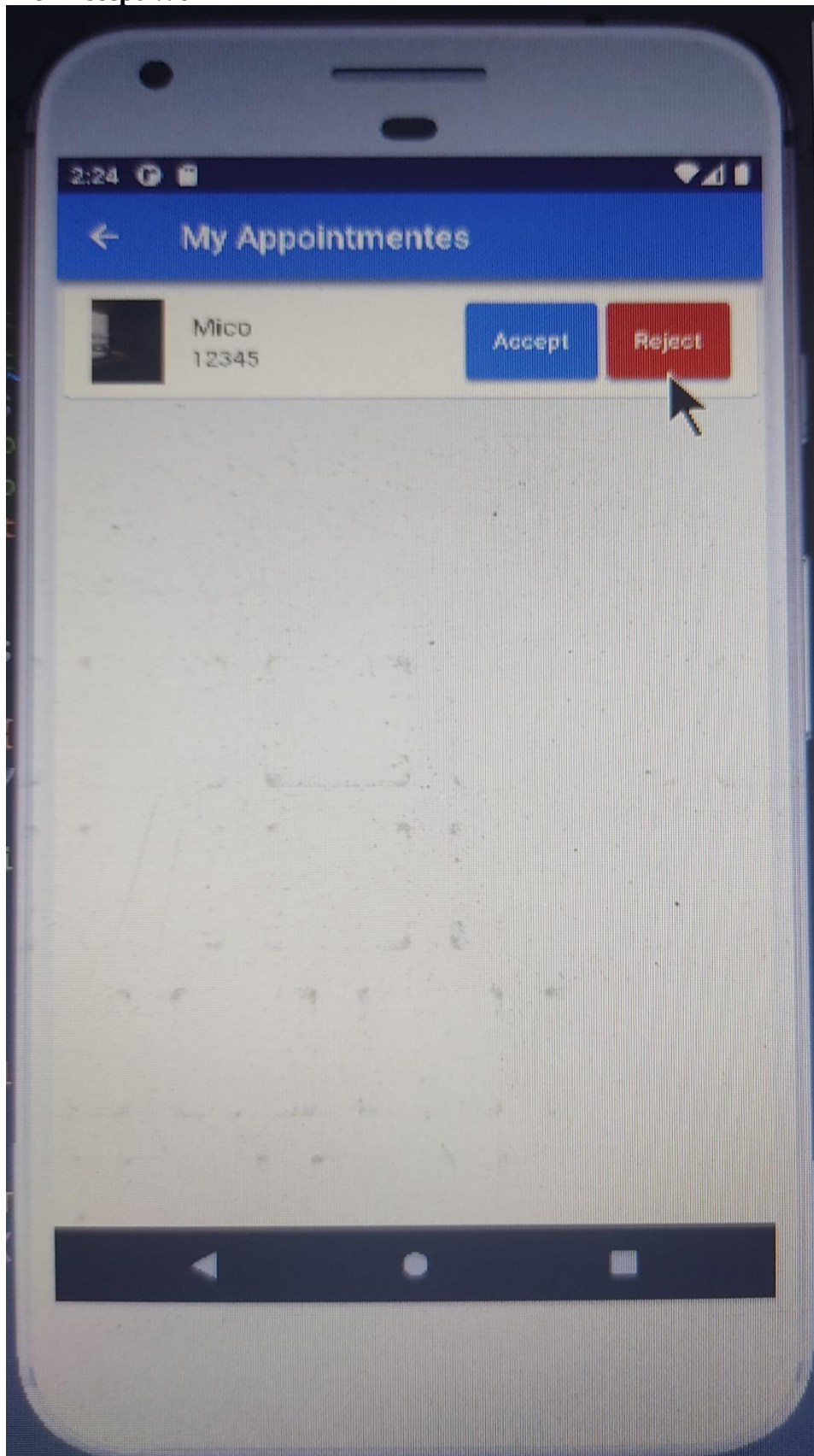


Figure 6.1.15: UI (Homeowner Worker Accept Work)

6.1.16 Worker Accept Confirm

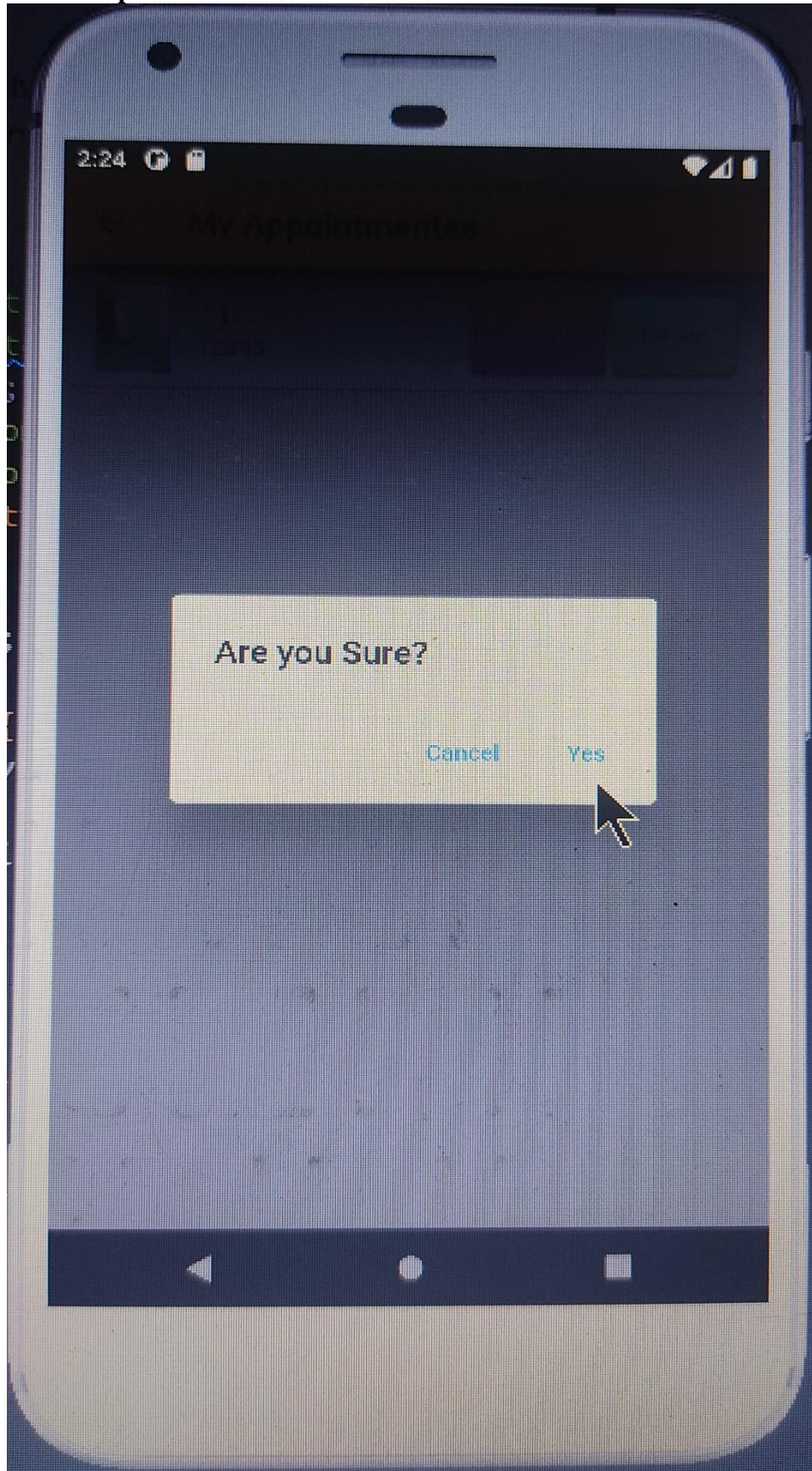


Figure 6.1.16: UI (Homeowner Worker Accept Confirm)

6.1.17 Worker Search Click button

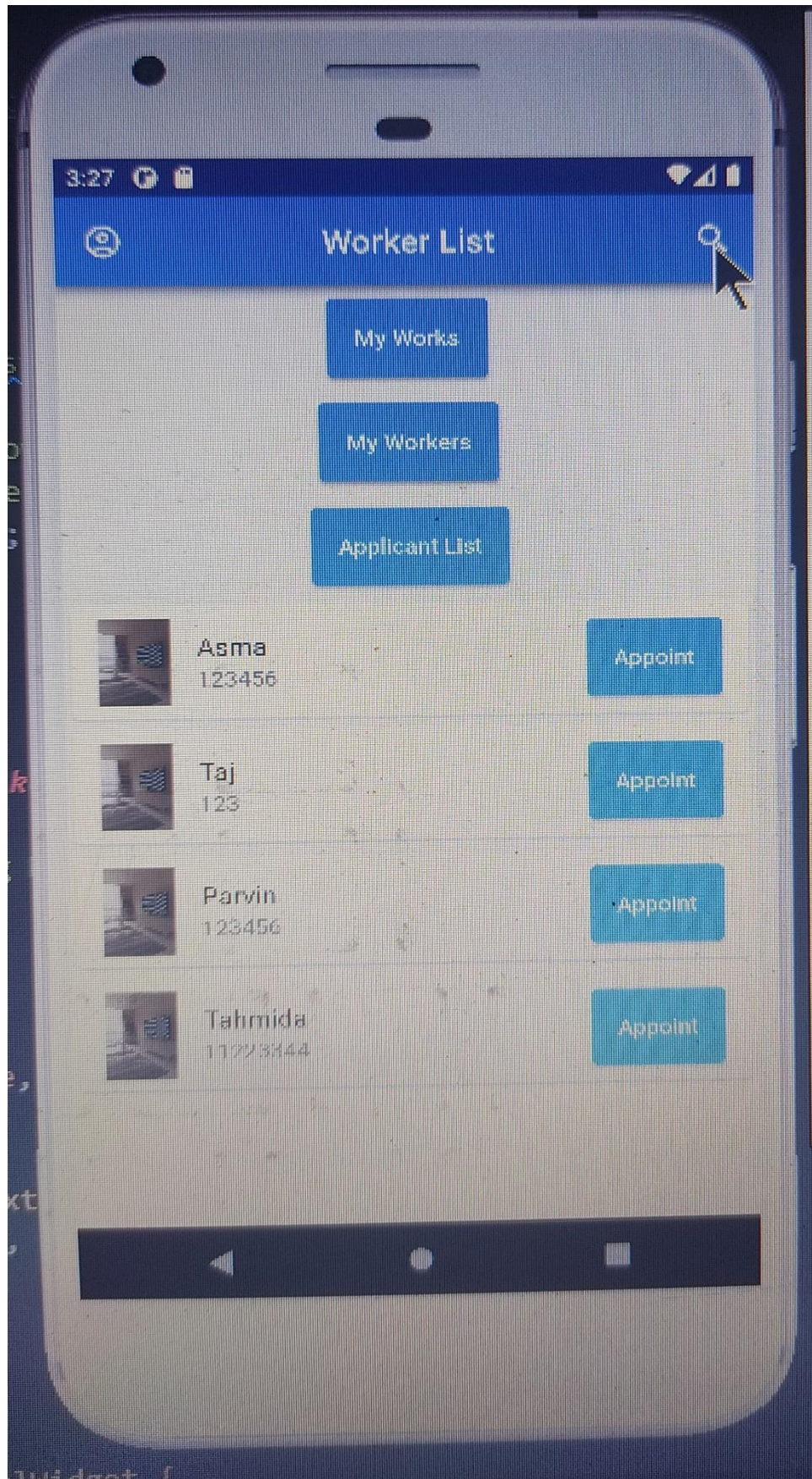


Figure 6.1.17: UI (Homeowner Worker Search Click Button)

6.1.18 Worker Phone Number

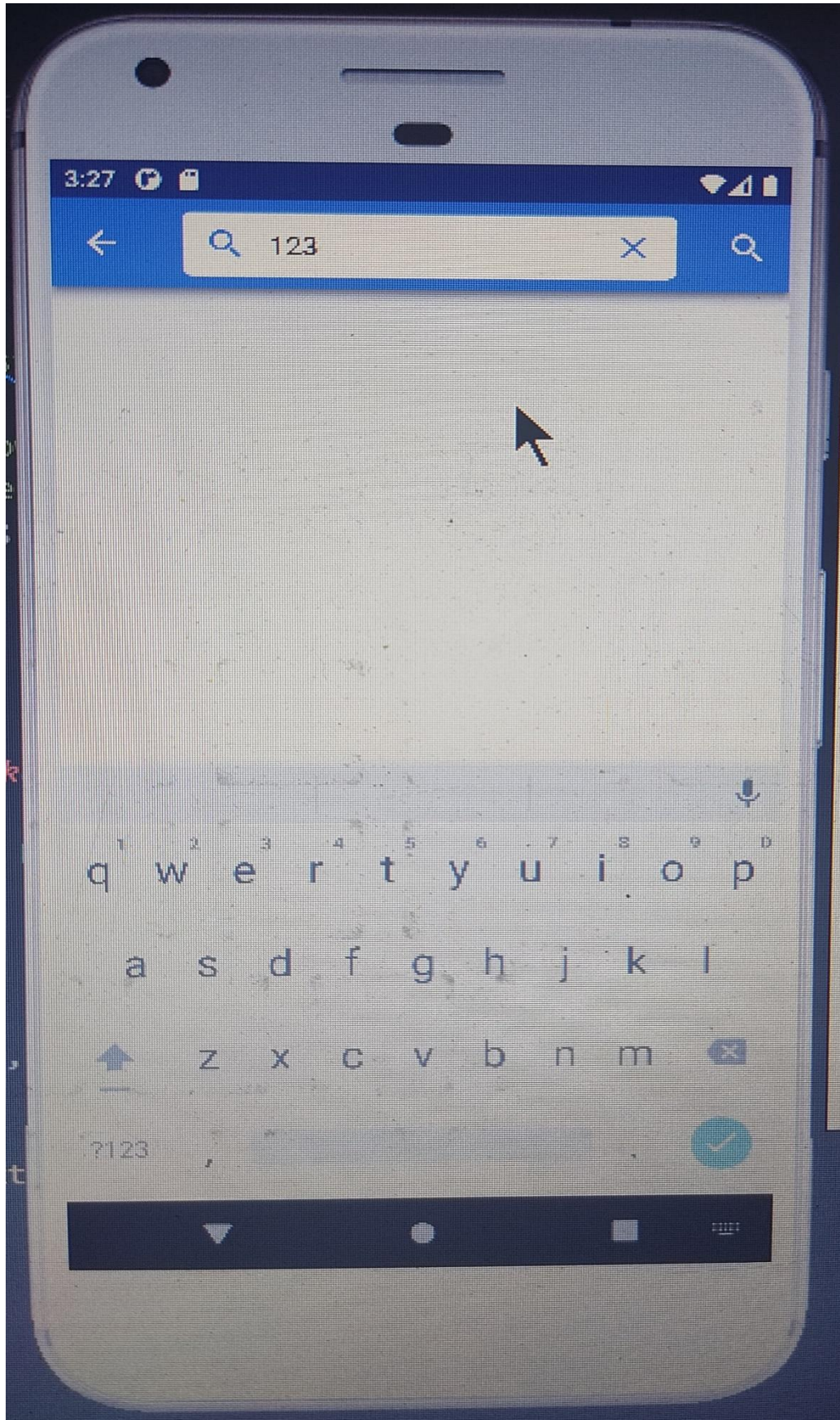


Figure 6.1.18: UI (Homeowner Worker Phone Number

6.1.19 Got it

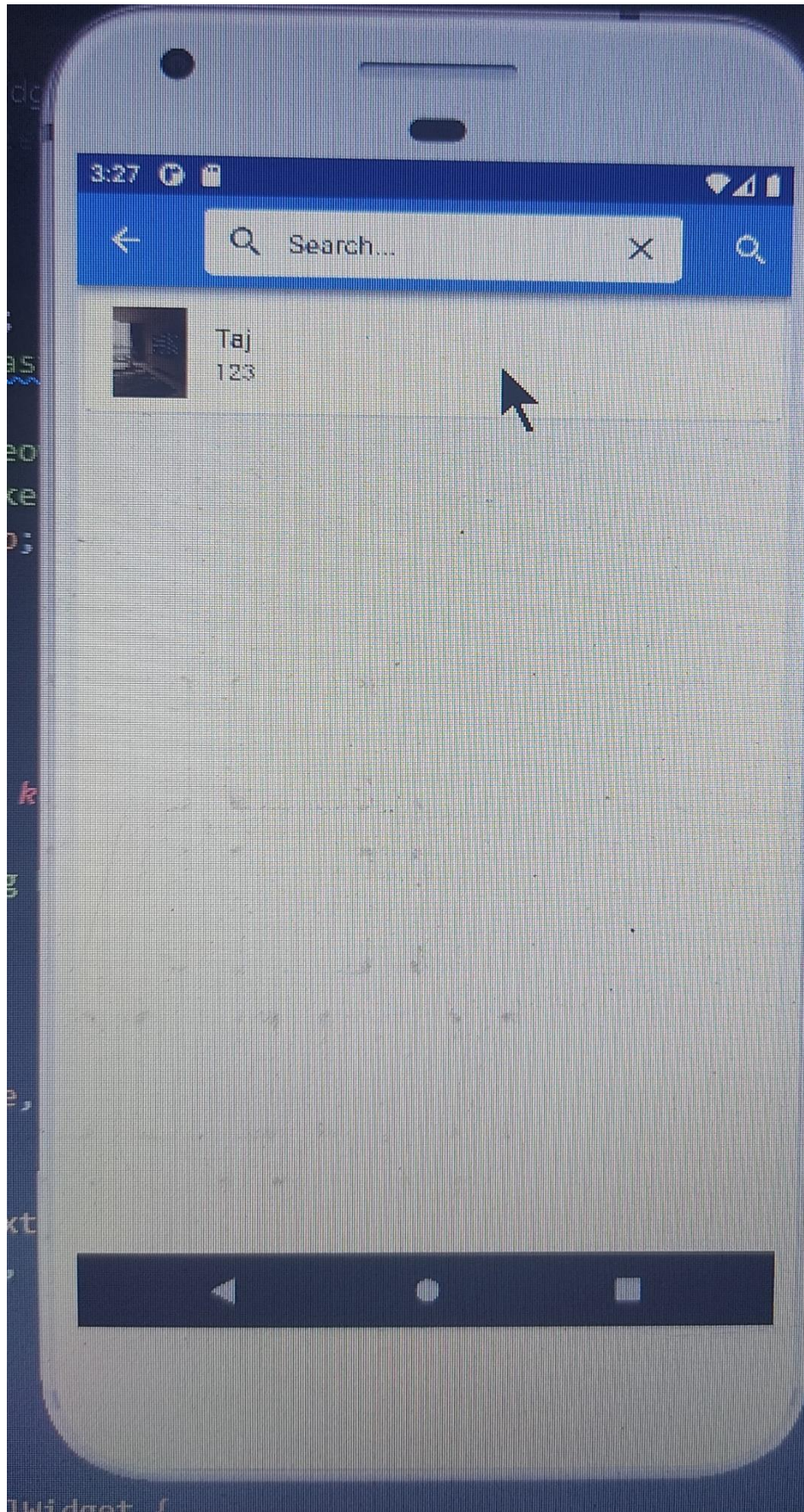


Figure 6.1.19: UI (Homeowner Got It)

6.1.20 Find Worker Profile

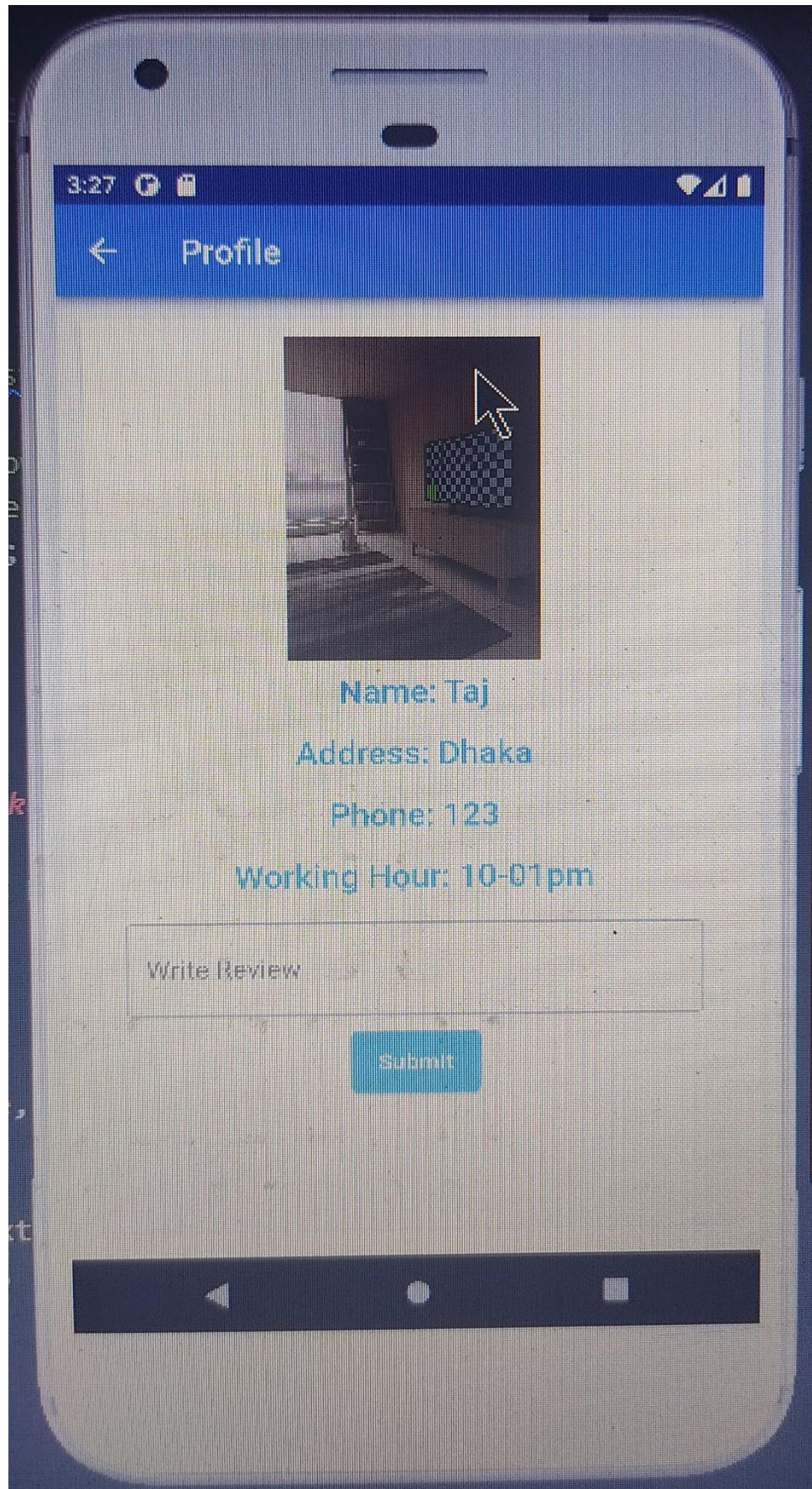


Figure 6.1.20: UI (Homeowner Find Worker Profile)

6.1.21 Review Worker

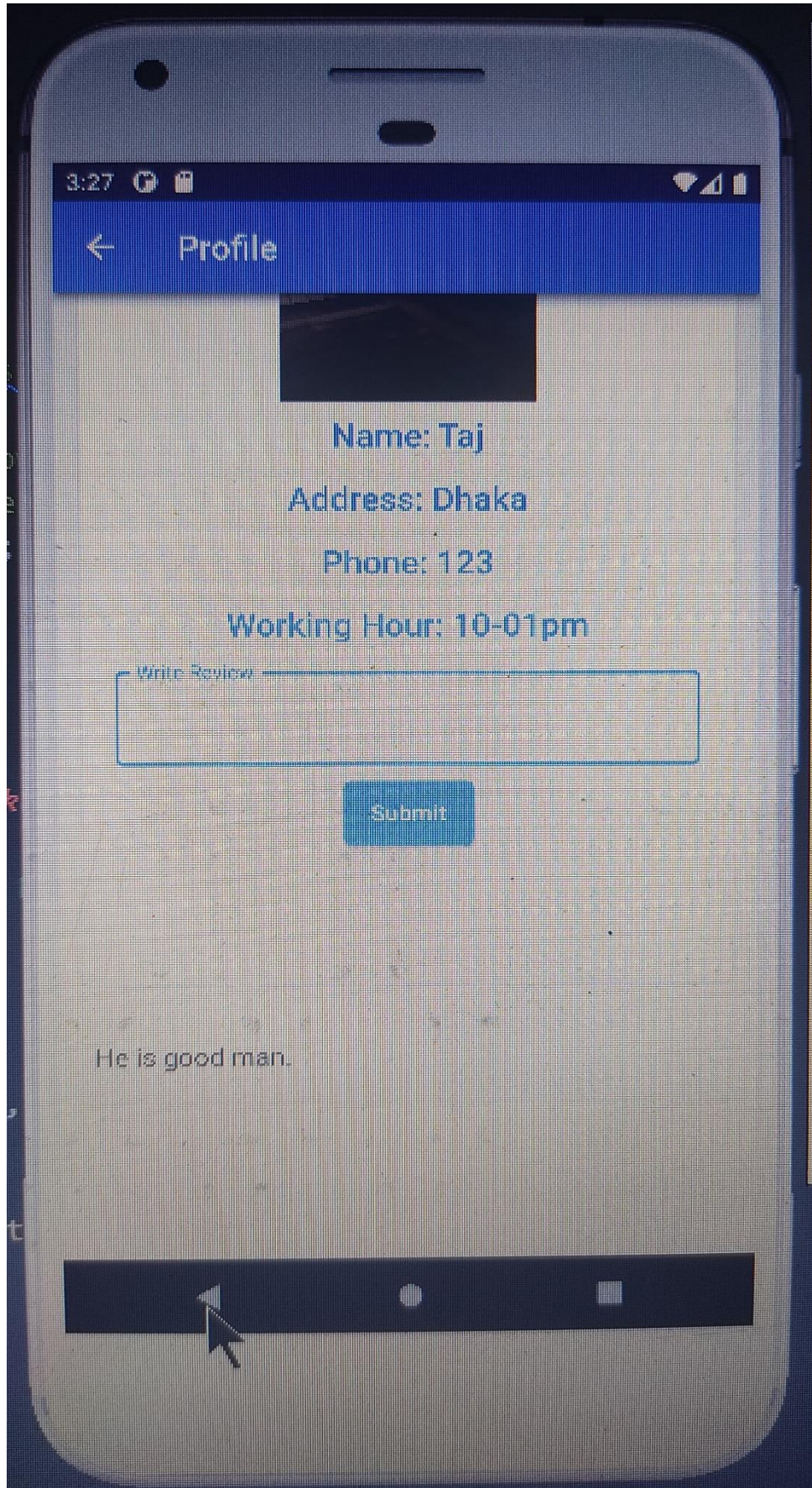


Figure 6.1.21: UI (Homeowner Review Worker)

6.1.22 Write Worker Review

3:28

← Profile



Name: Taj

Address: Dhaka

Phone: 123

Working Hour: 10-01pm

Write Review

My worker is good person.

Submit

He is good man.

Figure 6.1.2: UI (Homeowner Write Worker Review)

6.1.23 Review Update Successful

3:28

← Profile

Name: Taj

Address: Dhaka

Phone: 123

Working Hour: 10-01pm

Write Review

|

Update Successful

Submit

He is good man.

My worker is good person.

Figure 6.1.23: UI (Homeowner Review Done)

6.1.24 Log out

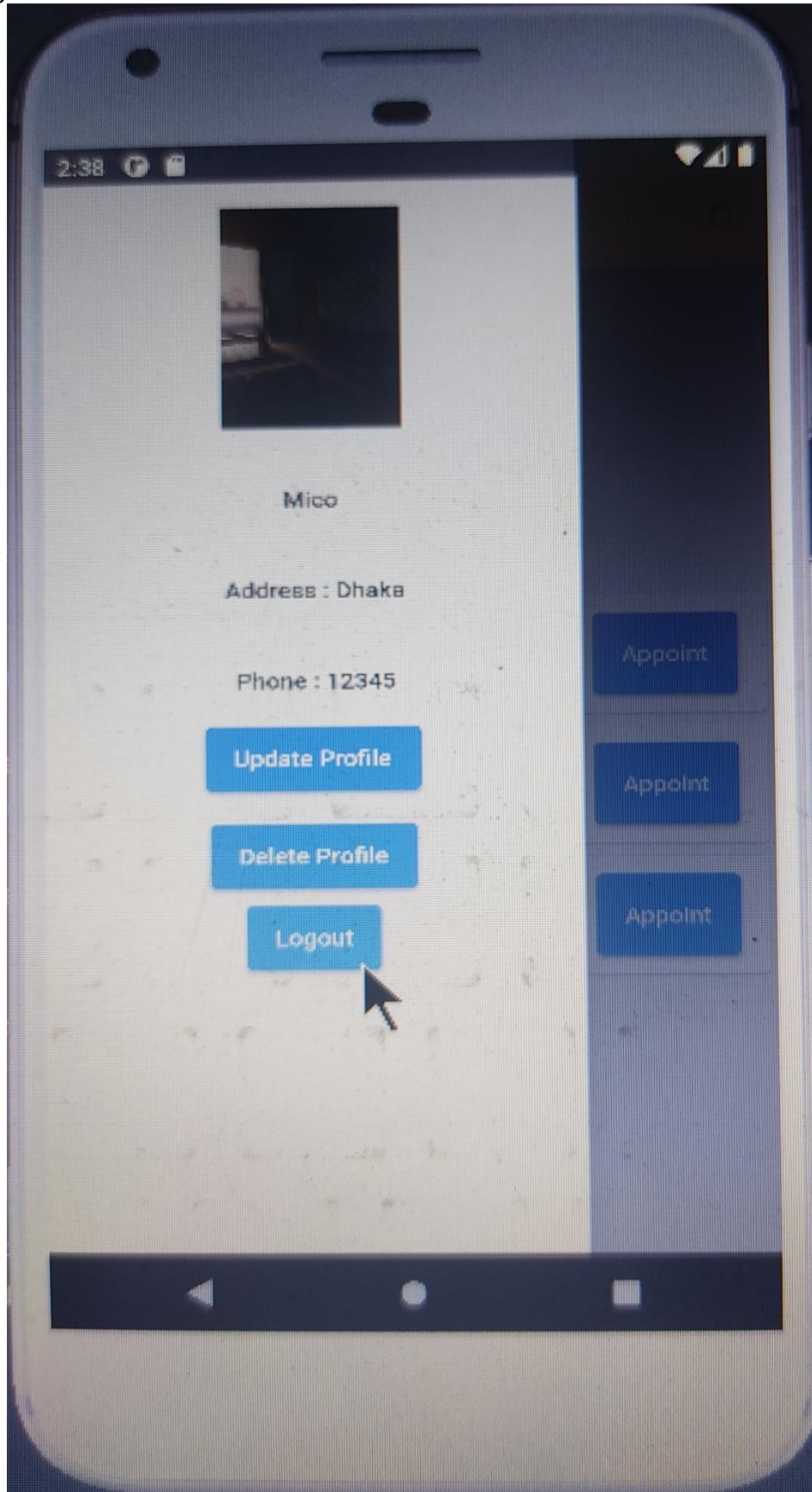


Figure 6.1.24: UI (Homeowner Log out)

6.1.25 Delete Profile Button

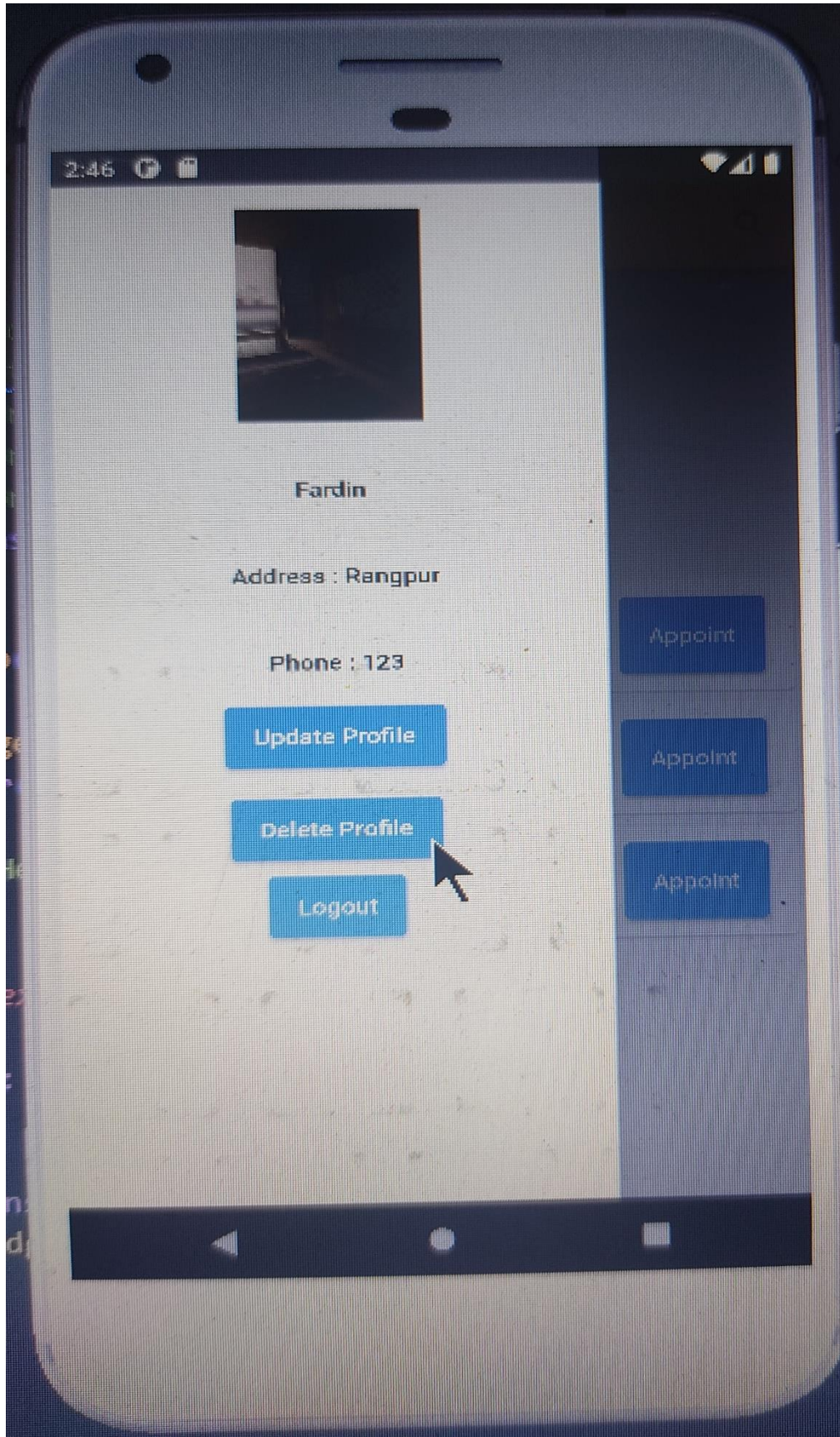


Figure 6.1.25: UI (Homeowner Delete Profile Button)

6.1.26 Account Delete Confirm

2:46  

Helping Hand

Find Helping Hand

Login

User Name

Password

Account Deleted

User Type: Homeowner 

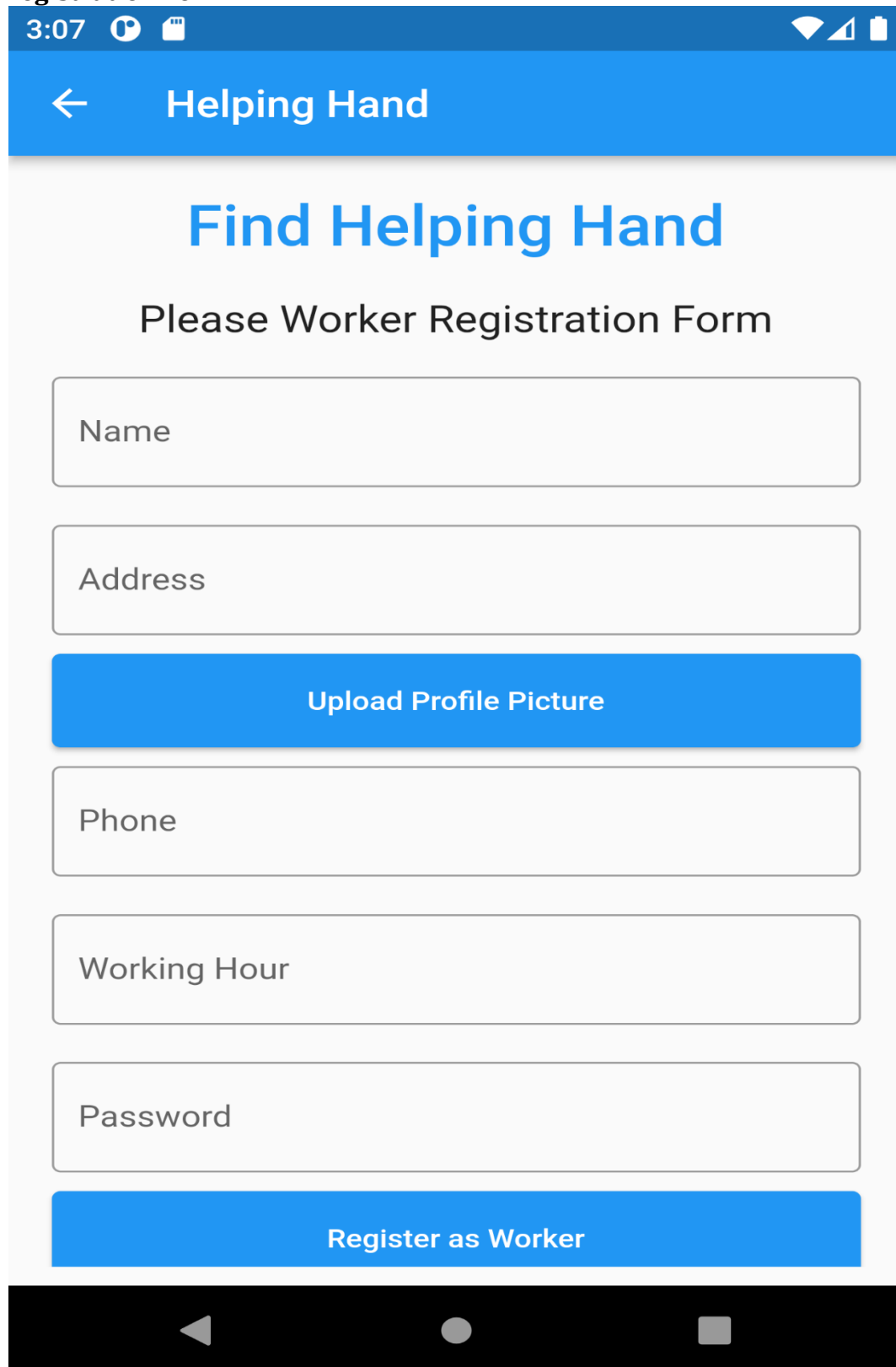


1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
↑ z x c v b n m ×
?123 , . ✓

Figure 6.1.26: UI (Homeowner Account Delete Confirm)

6.2 Worker

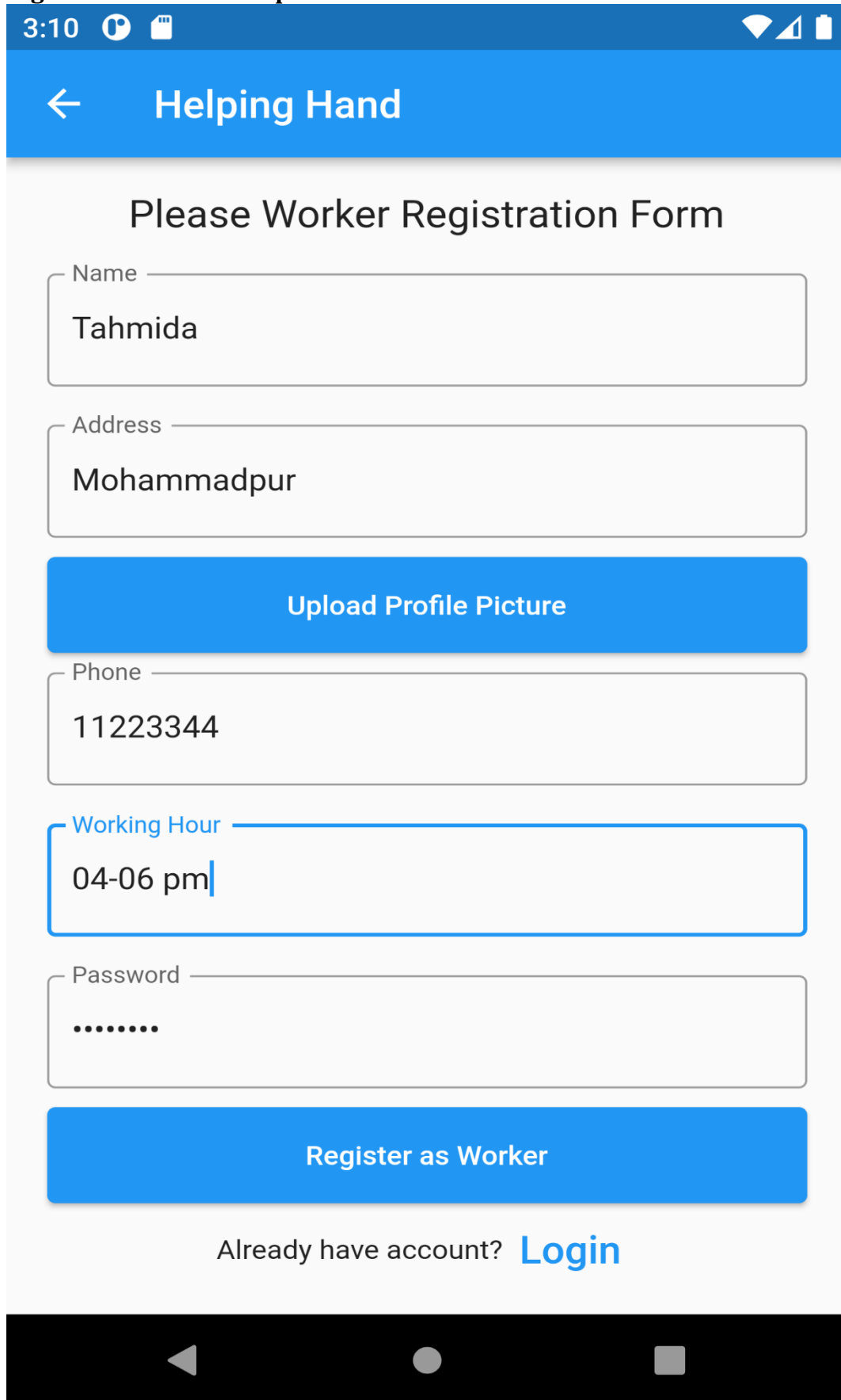
6.2.1 Registration Form



The screenshot displays a mobile application interface for 'Helping Hand'. At the top, a blue header bar contains a back arrow and the text 'Helping Hand'. Below this, the main content area has a light gray background. It features the title 'Find Helping Hand' in large blue font, followed by the subtitle 'Please Worker Registration Form' in black. The form consists of several input fields: 'Name', 'Address', 'Phone', 'Working Hour', and 'Password', each with a light gray border. A blue button labeled 'Upload Profile Picture' is positioned between the 'Address' and 'Phone' fields. At the bottom of the form is a large blue button labeled 'Register as Worker'. The entire app interface is shown within a black frame representing a mobile device, with a status bar at the top showing the time 3:07 and various icons.

Figure 6.2.1: UI (Worker Registration Form)

6.2.2 Registration Form fill-up



The image shows a mobile application interface for a worker registration form. At the top, there is a status bar with the time 3:10 and icons for signal, Wi-Fi, and battery. Below this is a blue header bar with a back arrow and the text "Helping Hand". The main content area is white and contains the title "Please Worker Registration Form". There are five input fields: "Name" with the value "Tahmida", "Address" with the value "Mohammadpur", "Phone" with the value "11223344", "Working Hour" with the value "04-06 pm", and "Password" with masked characters ".....". Each input field has a label above it. Below the "Phone" field is a blue button labeled "Upload Profile Picture". Below the "Password" field is another blue button labeled "Register as Worker". At the bottom, there is a link that says "Already have account? Login". The entire app is displayed on a black background representing the phone's home screen, with a standard Android navigation bar at the very bottom.

3:10

← Helping Hand

Please Worker Registration Form

Name
Tahmida

Address
Mohammadpur

Upload Profile Picture

Phone
11223344

Working Hour
04-06 pm

Password
.....

Register as Worker

Already have account? [Login](#)

Figure 6.2.2: UI (Worker Registration Form fill-up)

6.2.3 Log in

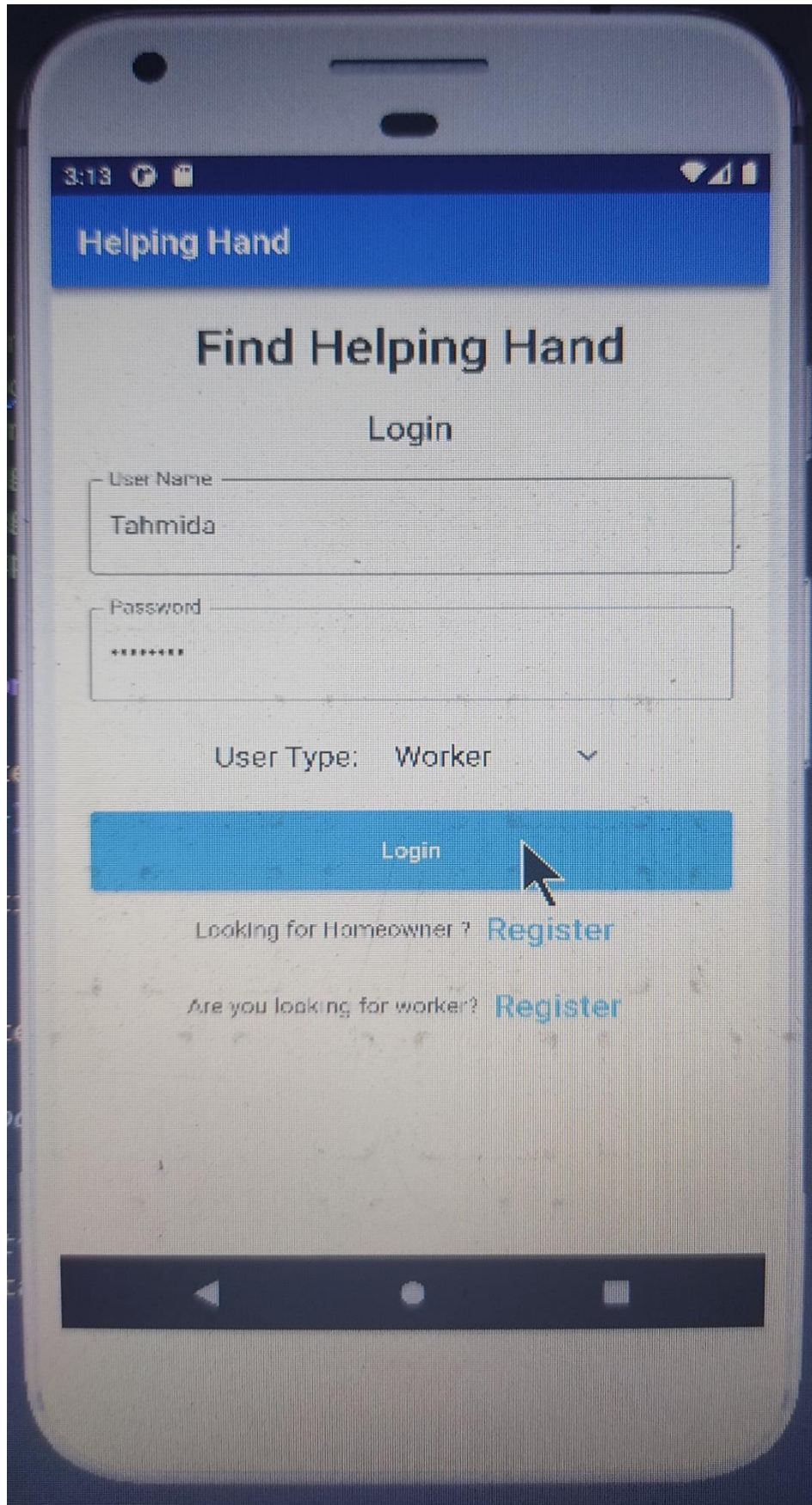


Figure 6.2.3: UI (Worker Log in)

6.2.4 Homepage

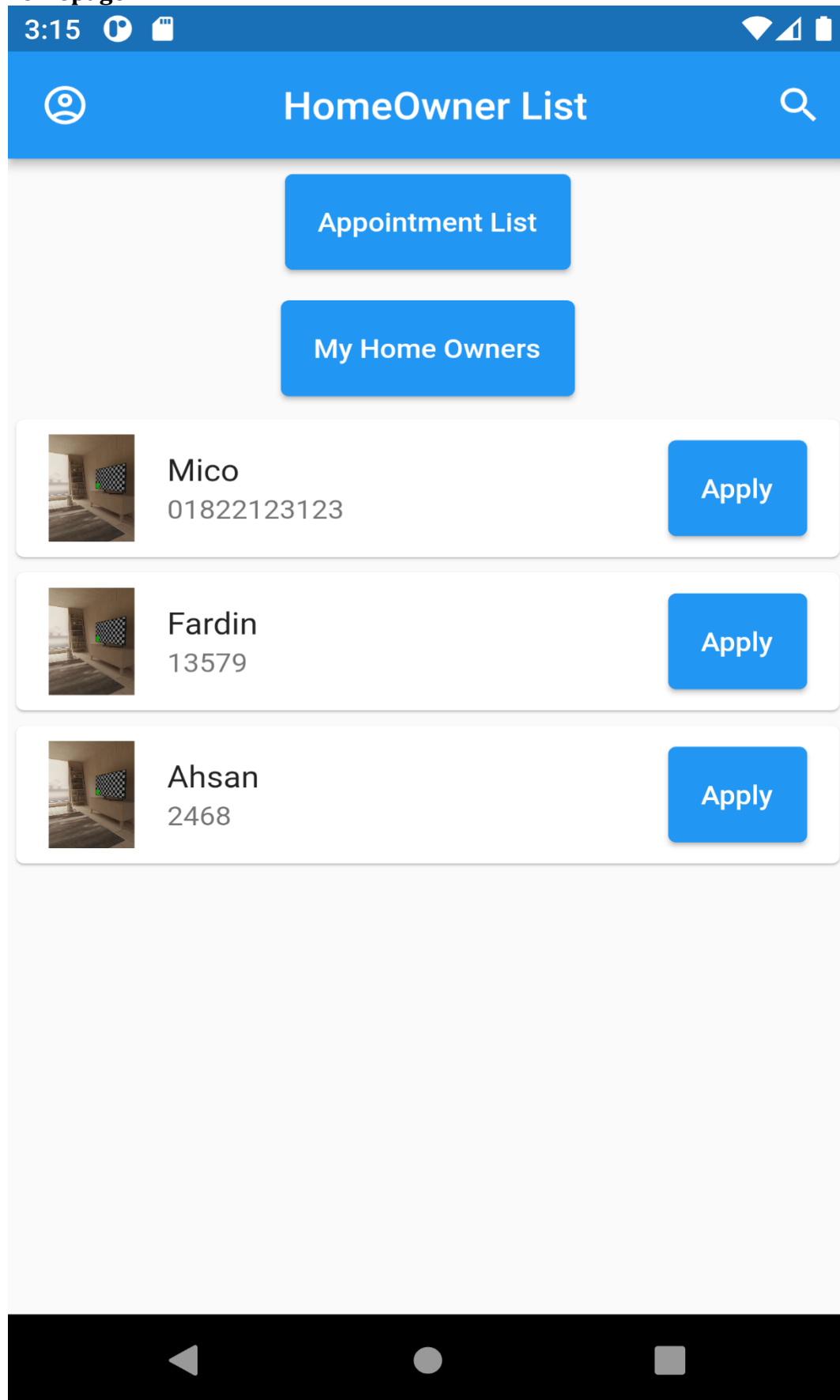


Figure 6.2.4: UI (Worker Homepage)

6.2.5 Profile

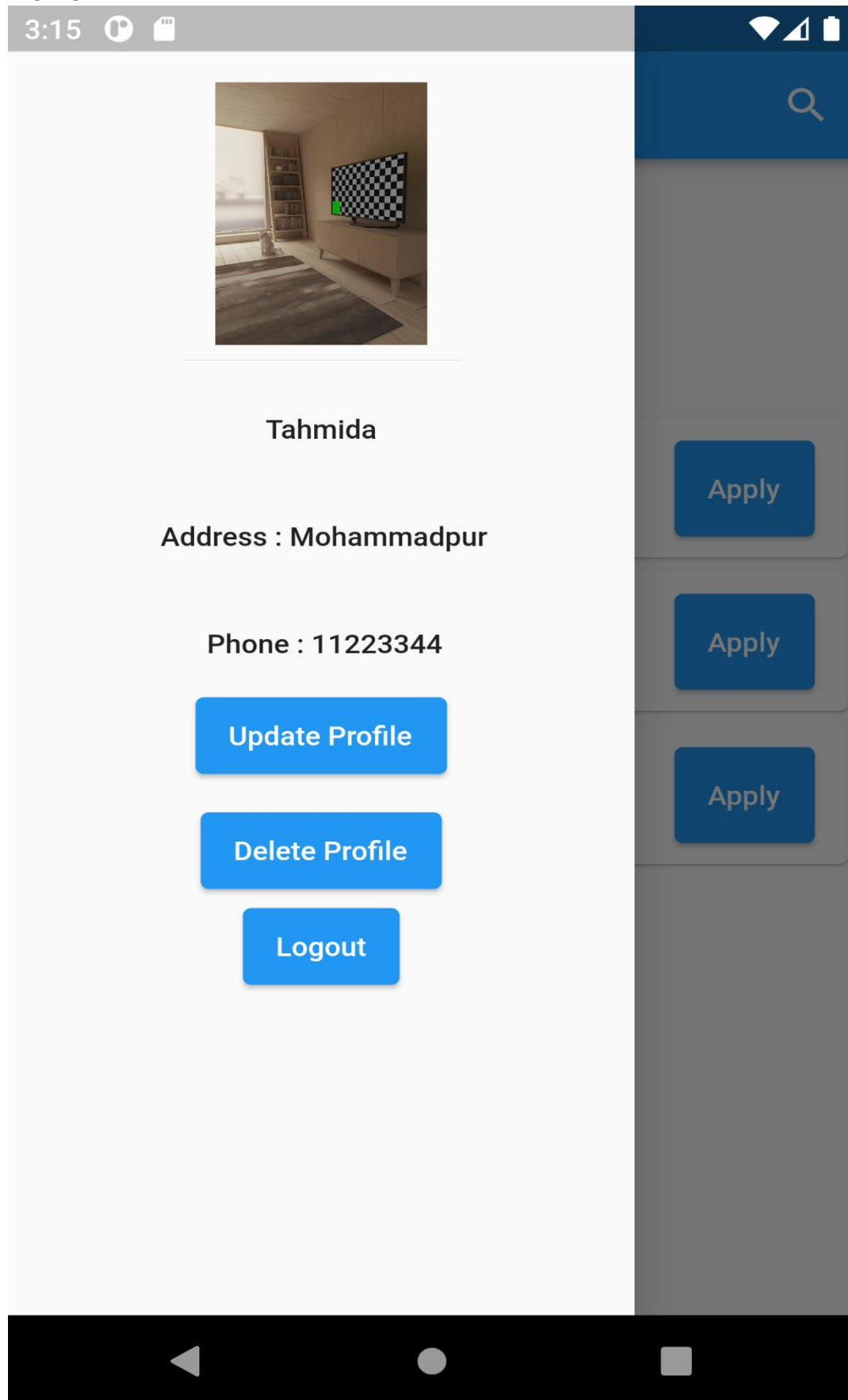


Figure 6.2.5: UI (Worker Profile)

6.2.6 Update Profile

3:16

← Update Profile

Update Address

Address

Badda

Submit

Update Working Hour

04-06 pm

Update Successful

Baeda | Badda | Bards

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l

↑ z x c v b n m ×

?123 , . ✓

Figure 6.2.6: UI (Worker Update Profile)

6.2.7 Homeowner List

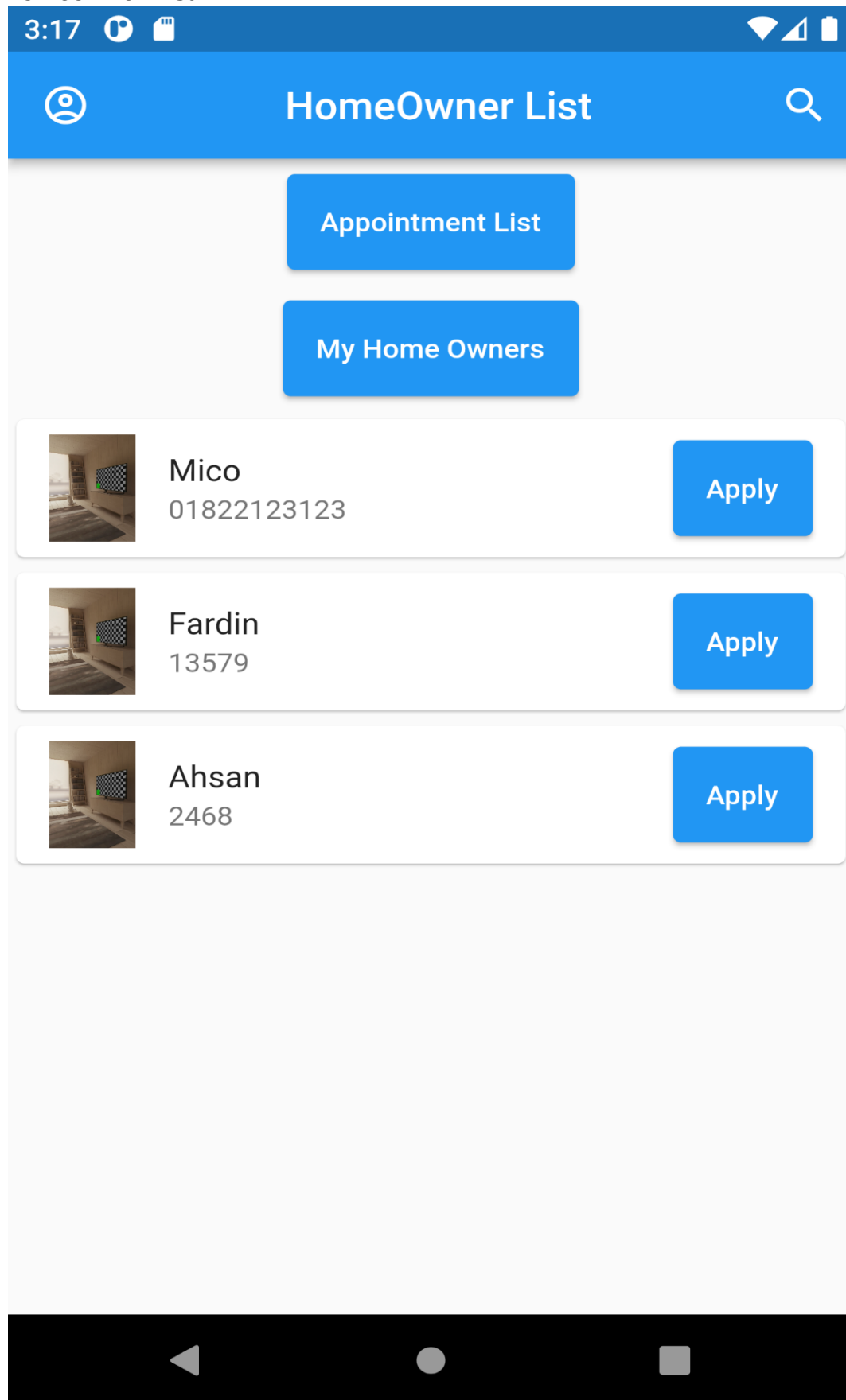


Figure 6.2.7: UI (Worker Homeowner List)

6.2.8 Apply Work Homeowner

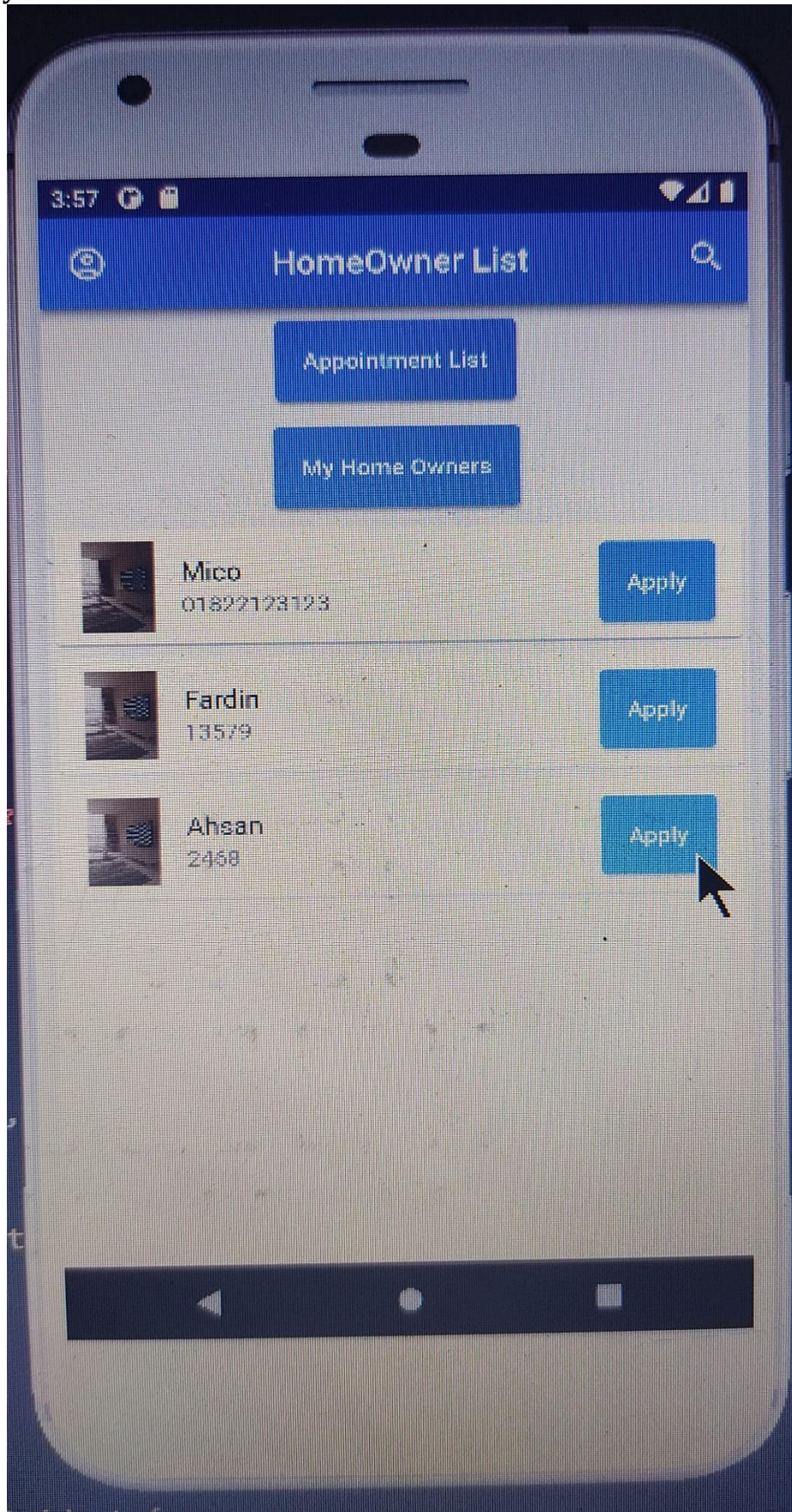


Figure 6.2.8: UI (Worker Apply Work Homeowner)

6.2.9 Find Work

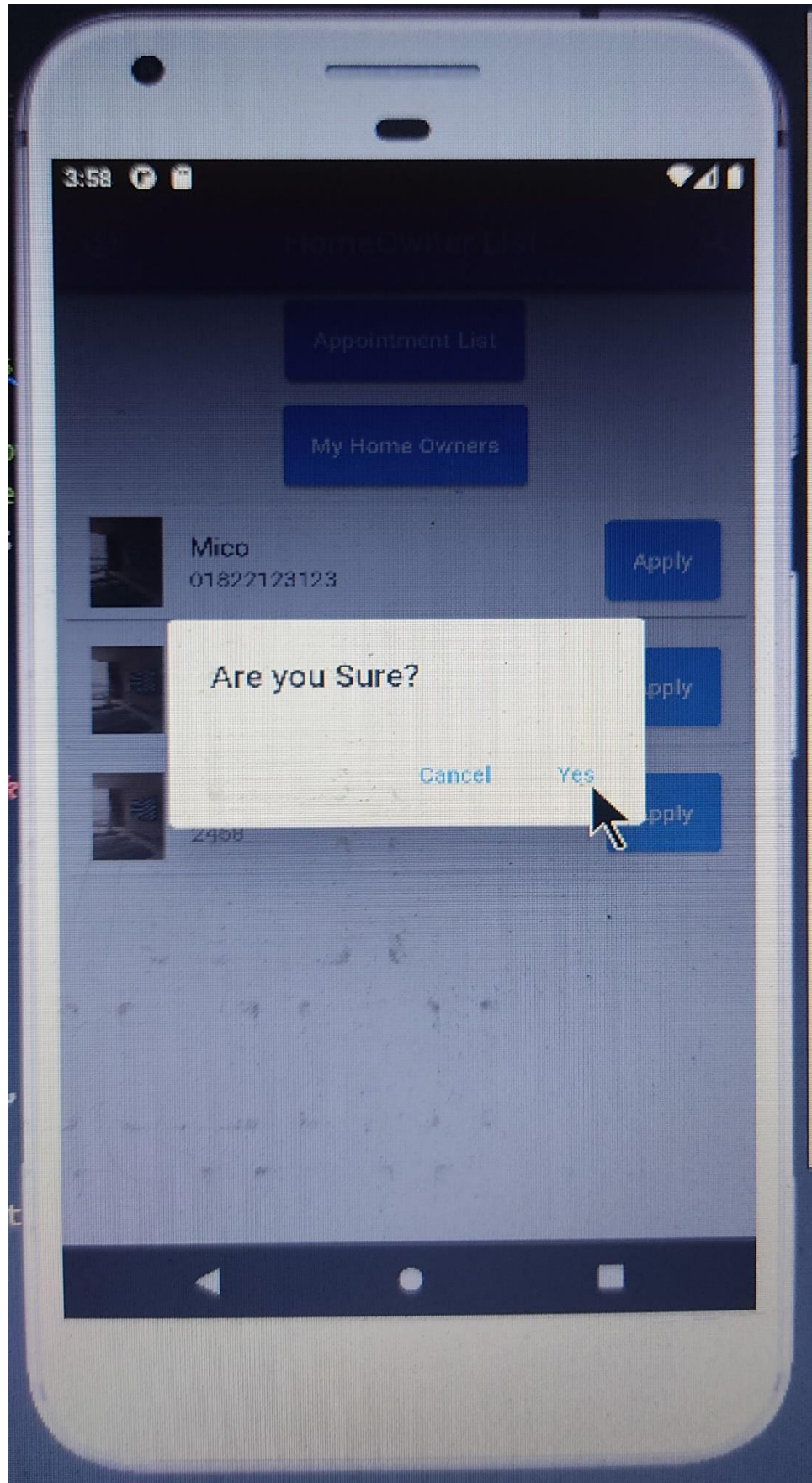


Figure 6.2.9: UI (Worker Find Work)

6.2.10 Successful Appoint

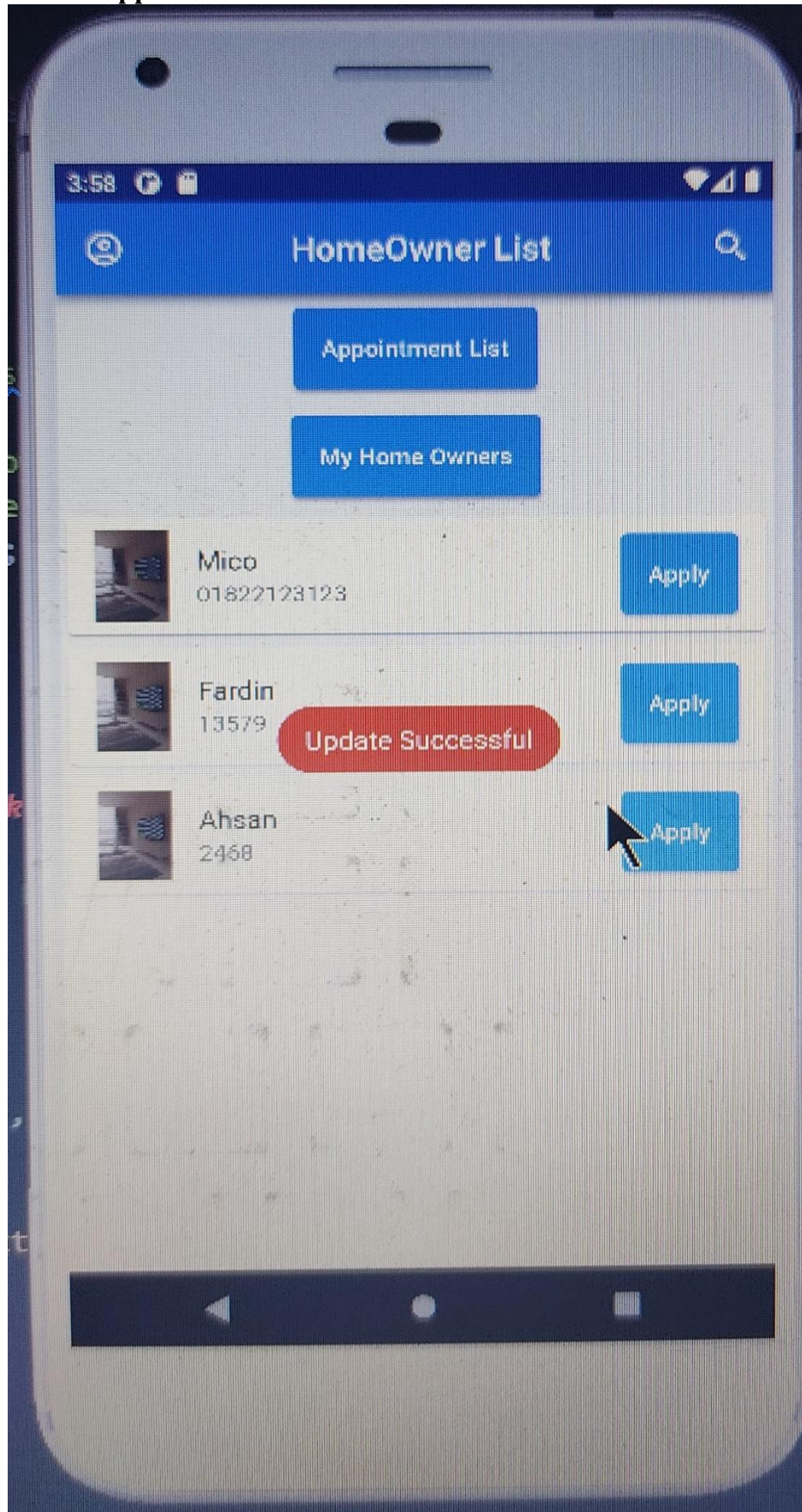


Figure 6.2.10: UI (Worker Successful Appoint)

6.2.11 Log out Button

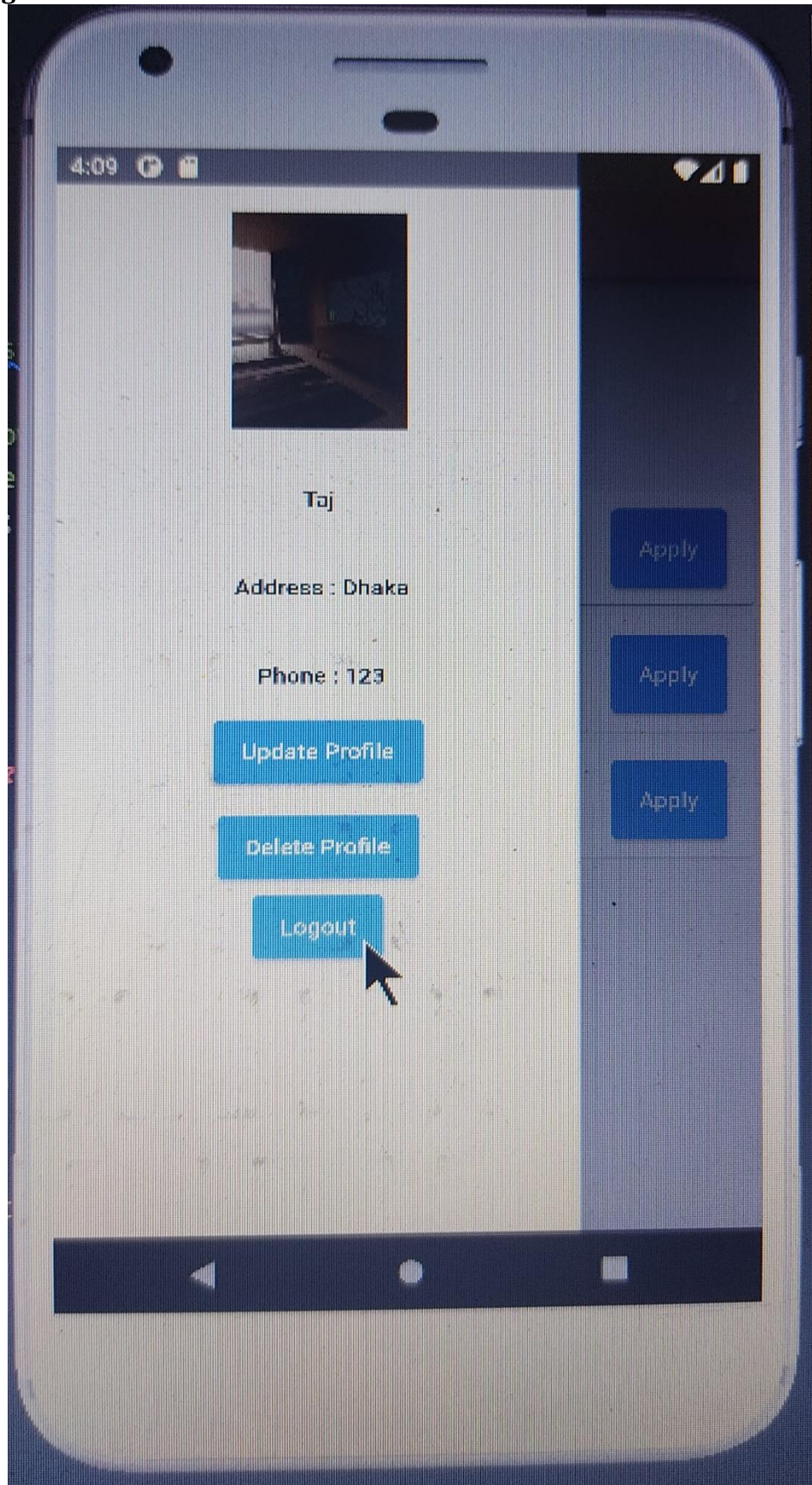


Figure 6.2.11: UI (Worker Log out Button)

6.2.12 Account Delete

The image shows a mobile application interface for 'Helping Hand'. At the top, there is a blue header bar with the text 'Helping Hand'. Below this, the main title 'Find Helping Hand' is displayed in a large, bold, black font. Underneath the title, the word 'Login' is centered. There are two input fields: 'User Name' containing the text 'Asma' and 'Password' containing seven dots. A red, pill-shaped button with the text 'Account Deleted' is positioned over the 'User Type' dropdown menu, which currently shows 'Worker'. Below the login fields, there is a blue horizontal bar. At the bottom of the screen, a virtual keyboard is visible, featuring letters, numbers, and a green checkmark button. The status bar at the very top shows the time as 4:13 and various system icons.

Figure 6.2.12: UI (Worker Account Delete)

6.3 Admin

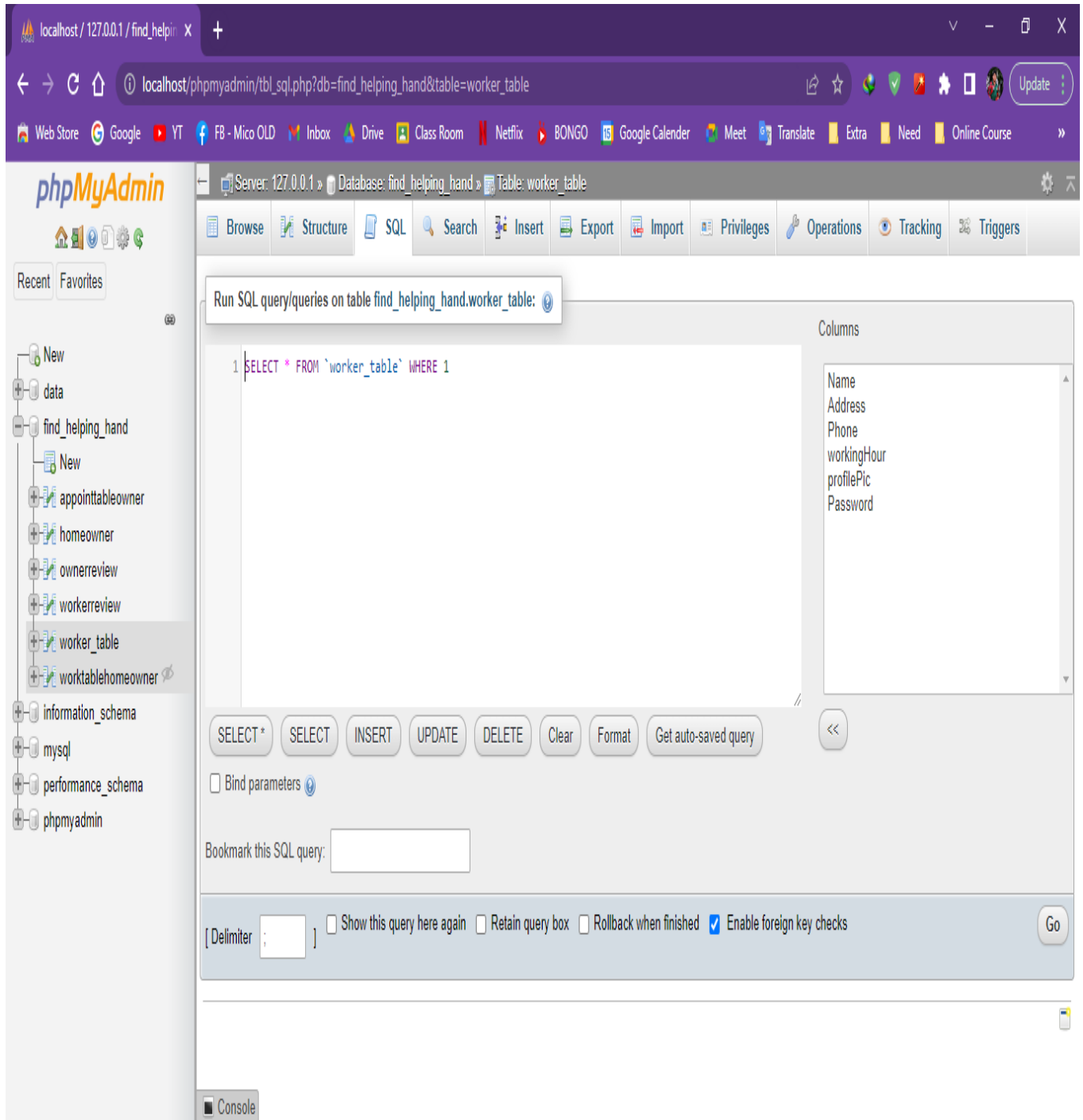


Figure 6.3: UI (Admin)

Chapter 07

Project Summary

7.1 GitHub Link:

- <https://github.com/habibmico/findhelpinghand>

7.2 Limitations

It is very hard to development something limitations. Such as

- The application can't accept unauthorize log in.

7.3 Obstacles & Achievements

Obstacles

- Learning and new technology & environment is a big issue.
- Collecting many requirements is very tough.
- To complete a work within limited time.

Achievements

- Learn project new technology and experience.
- Real life experience by uploading project on the live server and
- Successfully build my project, document developing process.

7.4 Future Scope

However, the system has developed as much as it needs and works properly. But many more new features will be worked on in the future to fulfill me. For example: First, it will be expended to district and departmental levels starting from the Para-Mohole (Neighborhoods) of an area.

7.5 References

To complete my application, I have taken help many different places. Some references are given bellow...

- www.google.com
- www.youtube.com
- <https://online.visual-paradigm.com/diagrams/solutions/free-visual-paradigm-online/>
- www.draw.io
- <https://www.tutorialspoint.com/android/index.htm>
- https://www.tutorialspoint.com/uml/uml_class_diagram.htm
- www.w3school.com

7.6 Plagiarism Report

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