



*KHALID JABR  
TALA HAMAD*

# ***BUILDNEX***

*SUPERVISED BY: DR. HAYA  
SAMAANA*



# TABLE OF CONTENTS

- Introduction
- Features
- Technologies
- Application Overview.
- Future Work



# ***INTRODUCTION***

## **Problem Statement:**

The process of building a house is difficult and frequently unpleasant. Each contractor and subcontractor has its own timelines and goals, and homeowners must navigate a maze of regulations, permits, and contractors.



Delays and cost overruns



Communication breakdowns



Quality concerns

Furthermore, there are some traditional approaches that rely on paperwork and manual procedures, little teamwork, and poor visibility will not work.

**OUR GOAL**

Simplify procedures by reducing mistakes and automating stressful tasks and paper work

Enhance communication, transparency and quality of services

Empower homeowners by providing them the control and decision-making tools, ensuring their vision comes to life.

# ***TECH. FEATURES***



## **Customizable Project Initiation**

Homeowner will be able to Select where to begin: can design pre-existing interiors or start from scratch



## **Real-time Progress Tracking**

Get real-time project status updates with visual cues for tasks that are finished, in process, and to-be-done.

## **Service Provider Marketplace**

Look for certified service providers and contractors based on reviews, ratings, cost, and location.

# ***TECH. FEATURES***



## **Integrated Communication Tools**

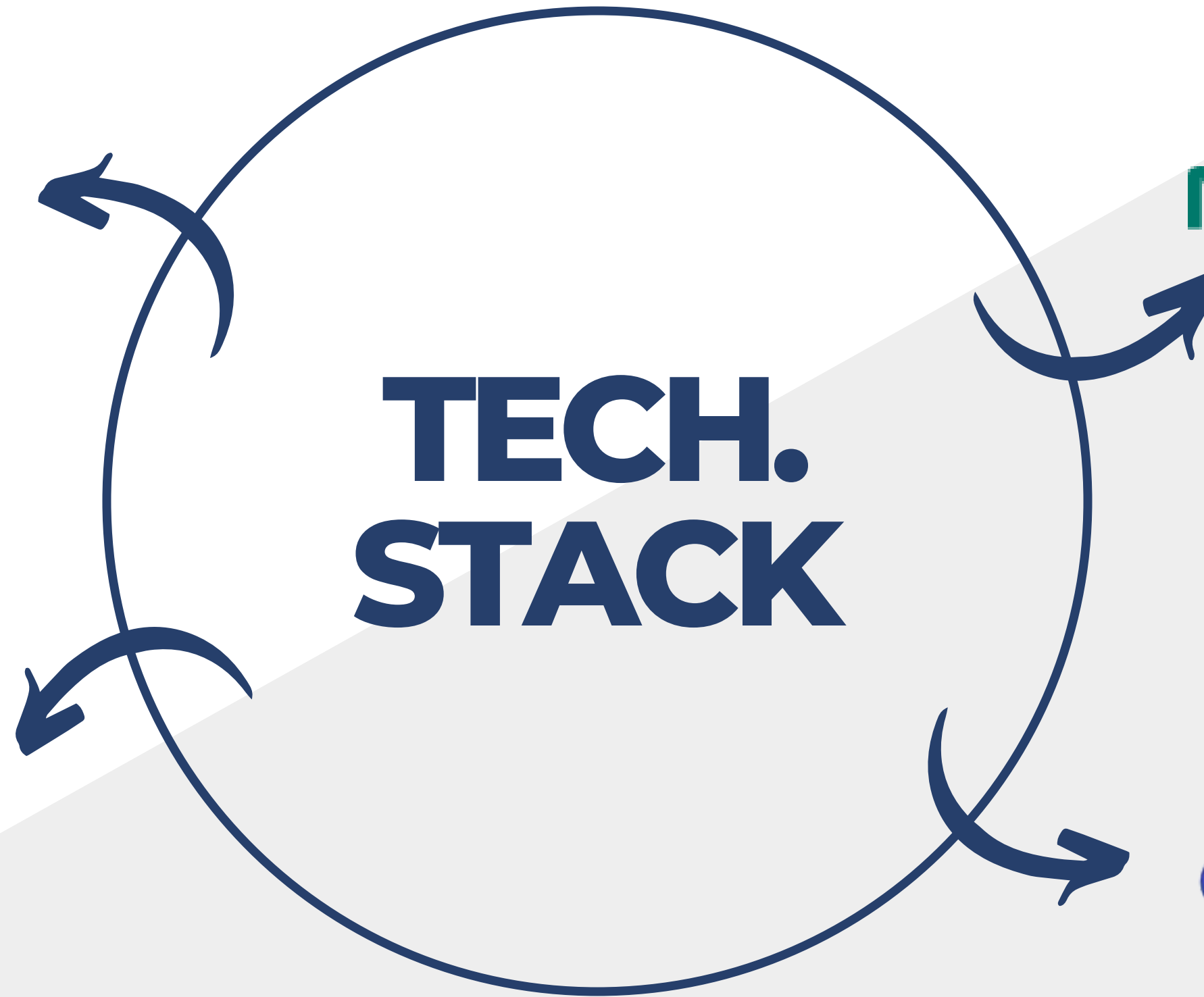
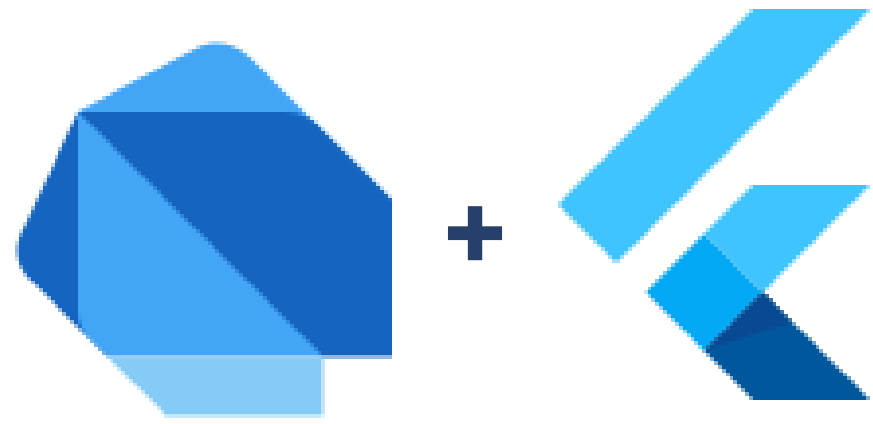
Enable direct conversation and interaction between service providers and homeowners on the platform.



## **Notification System**

System was built in order to keep homeowner and the service provider up with what is going on. Notification will vary based on the user - will be discussed later -.

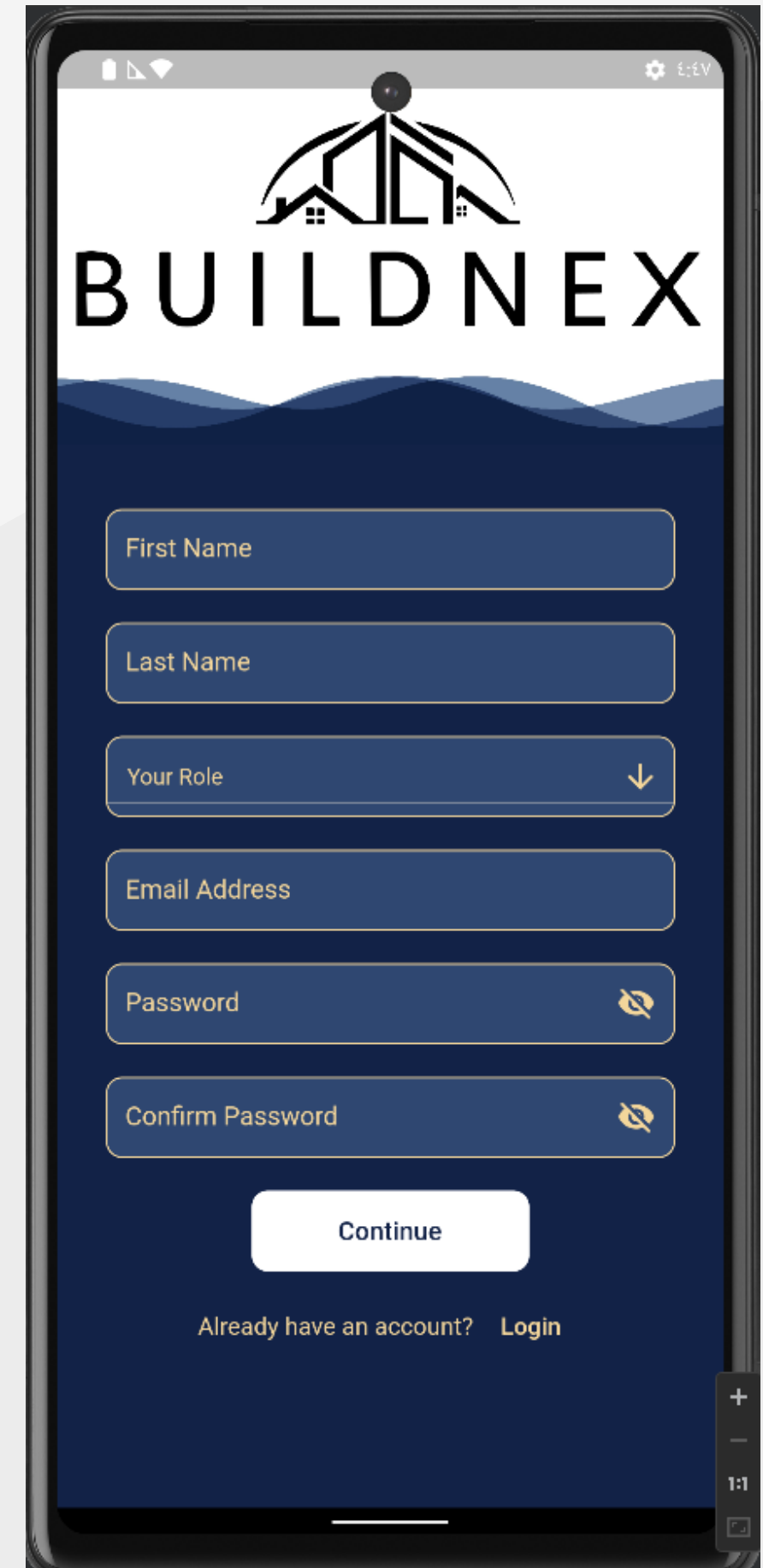
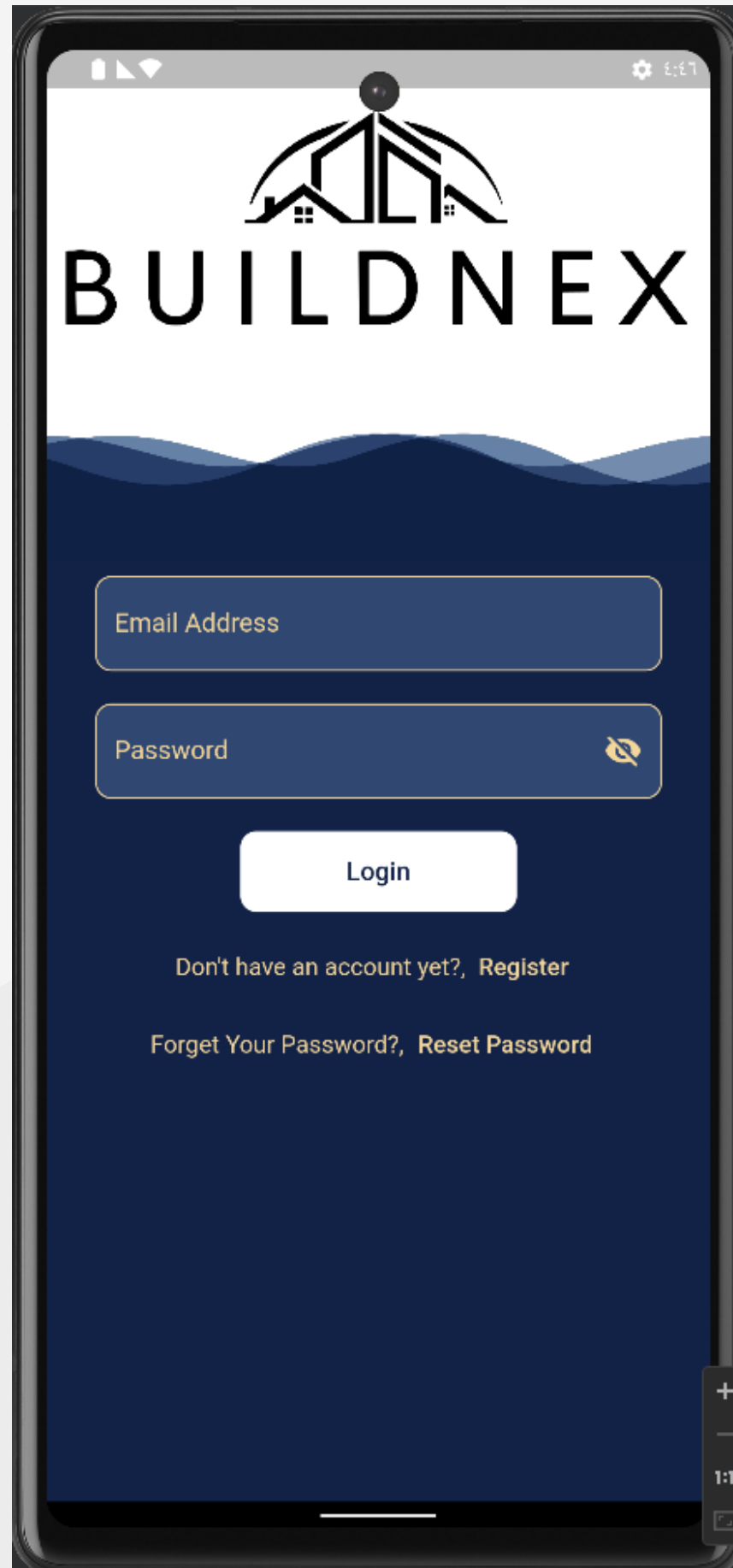






# APPLICATION OVERVIEW

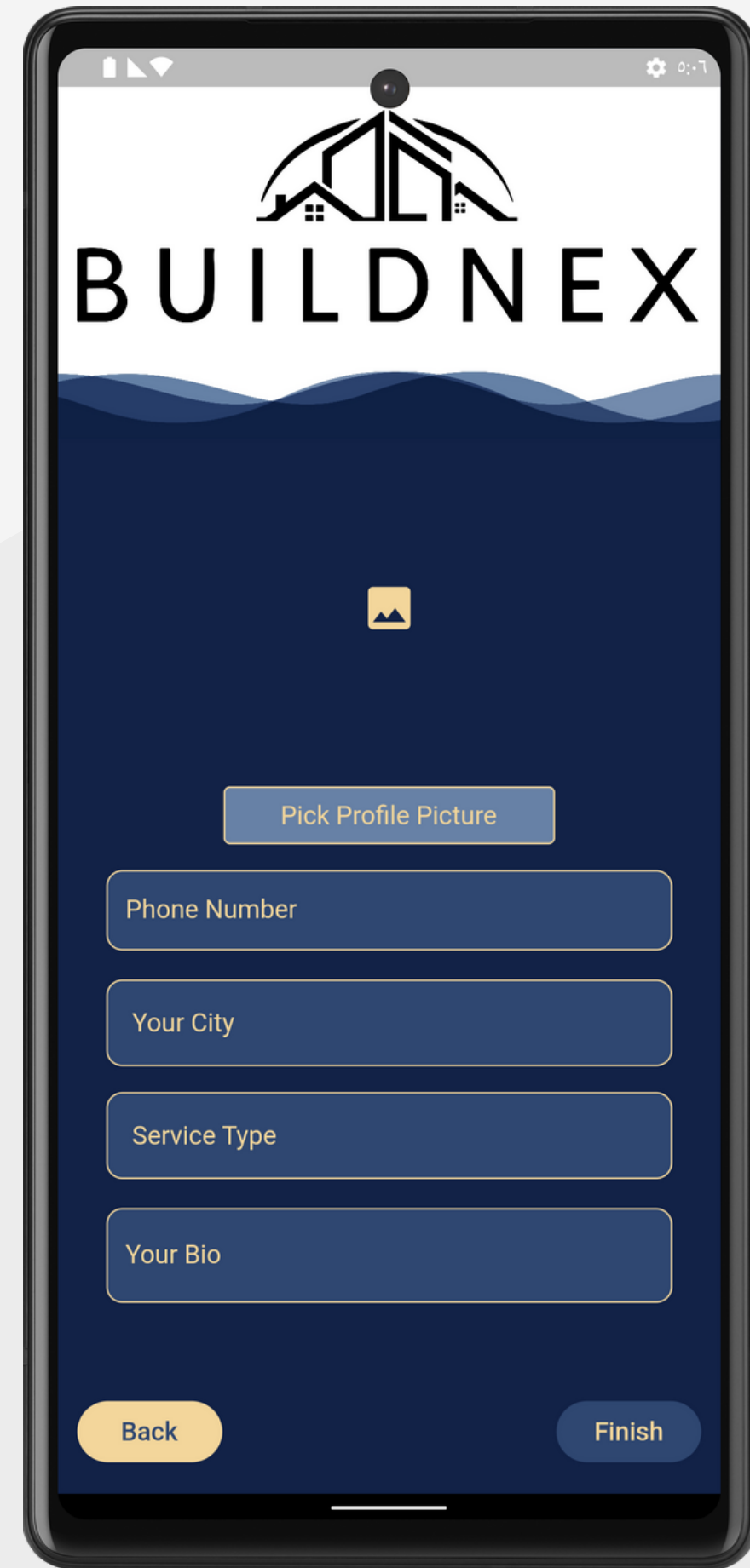
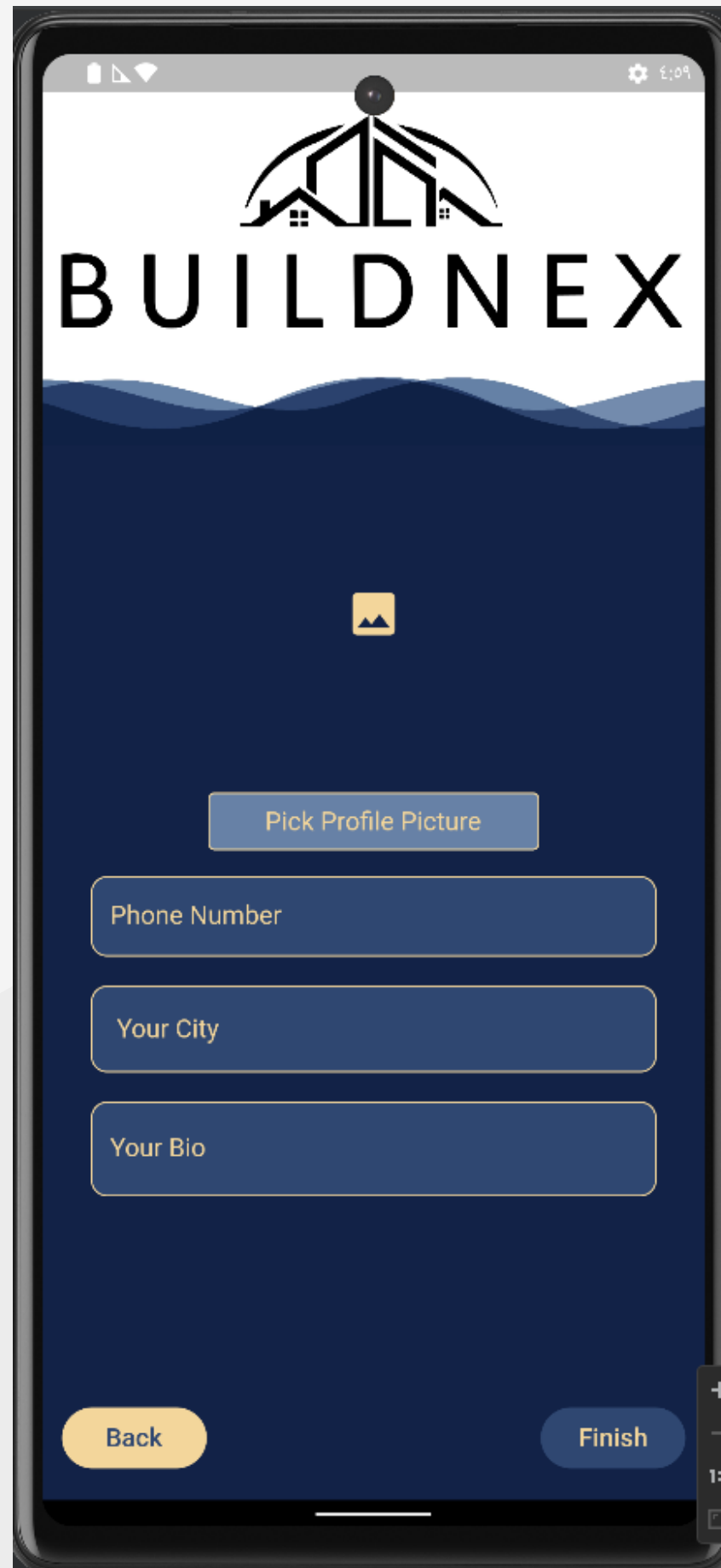
Following is **Login/Register** process for both HO / SP:





# APPLICATION OVERVIEW

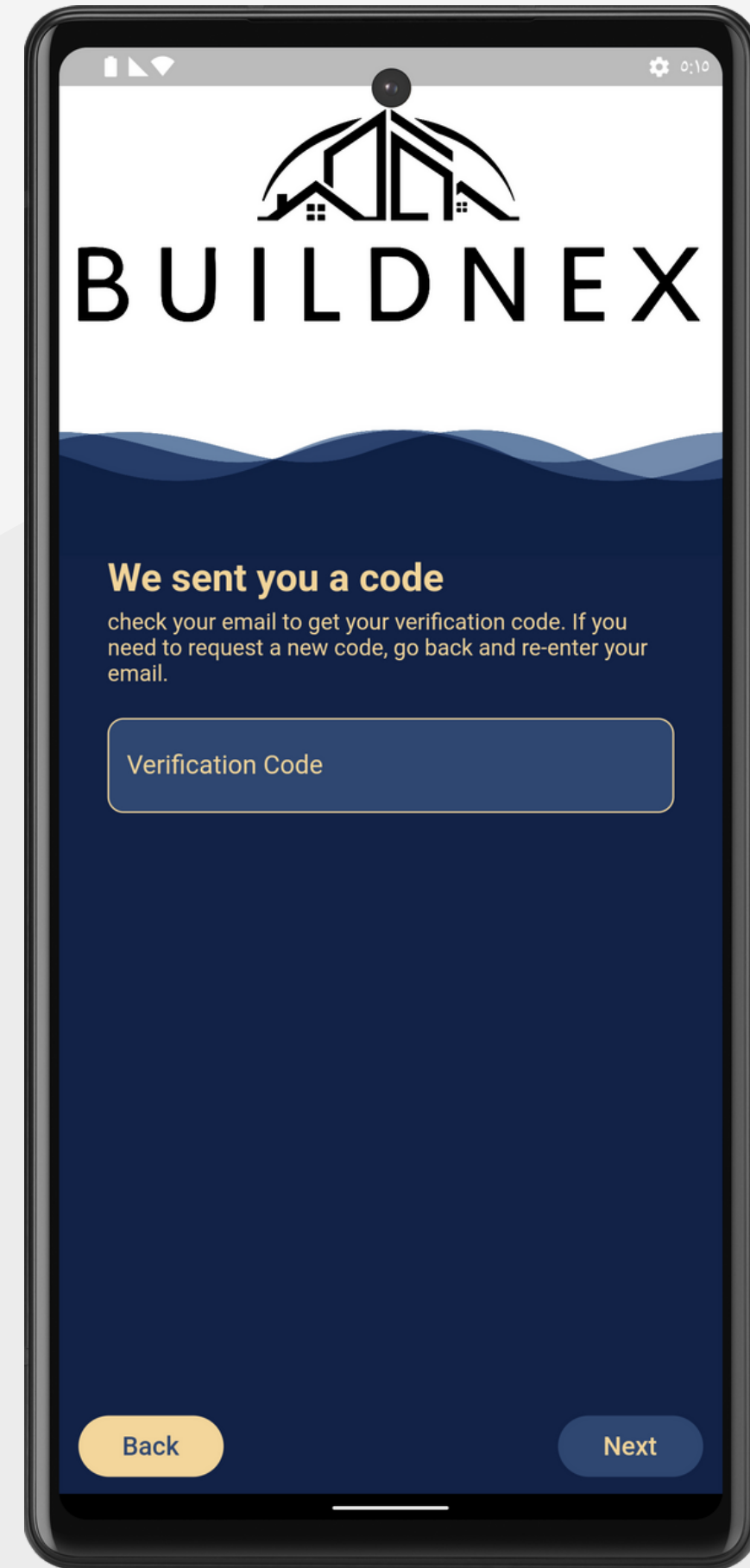
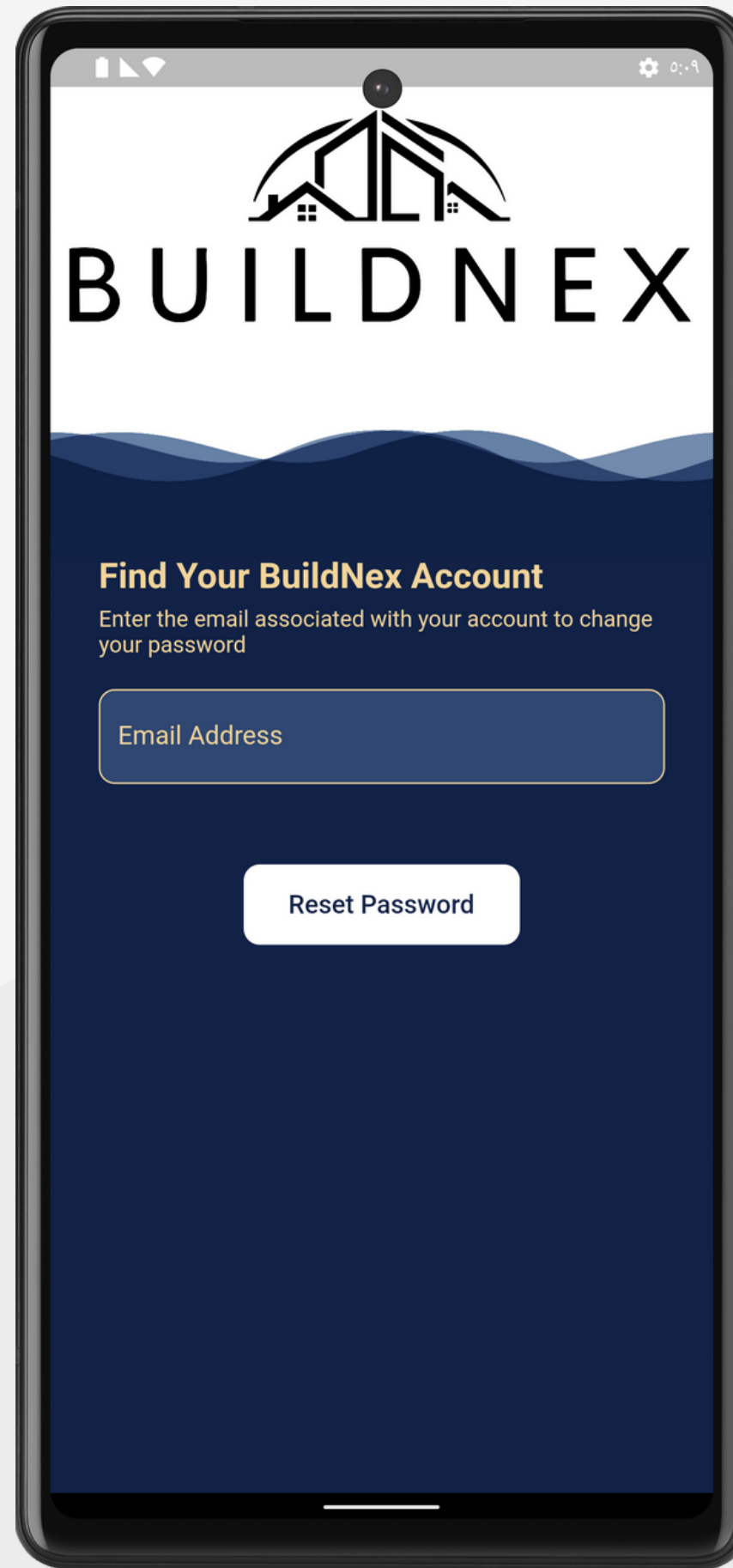
Following is **Login/Register** process for both HO / SP:





# APPLICATION OVERVIEW

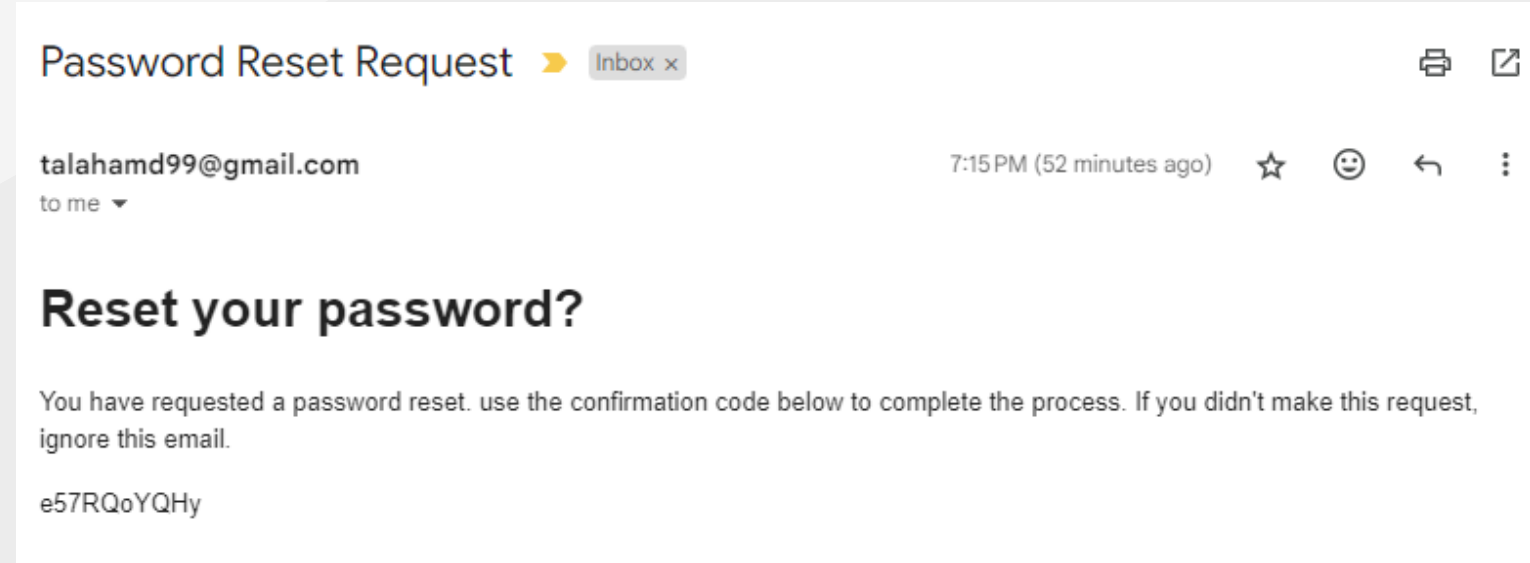
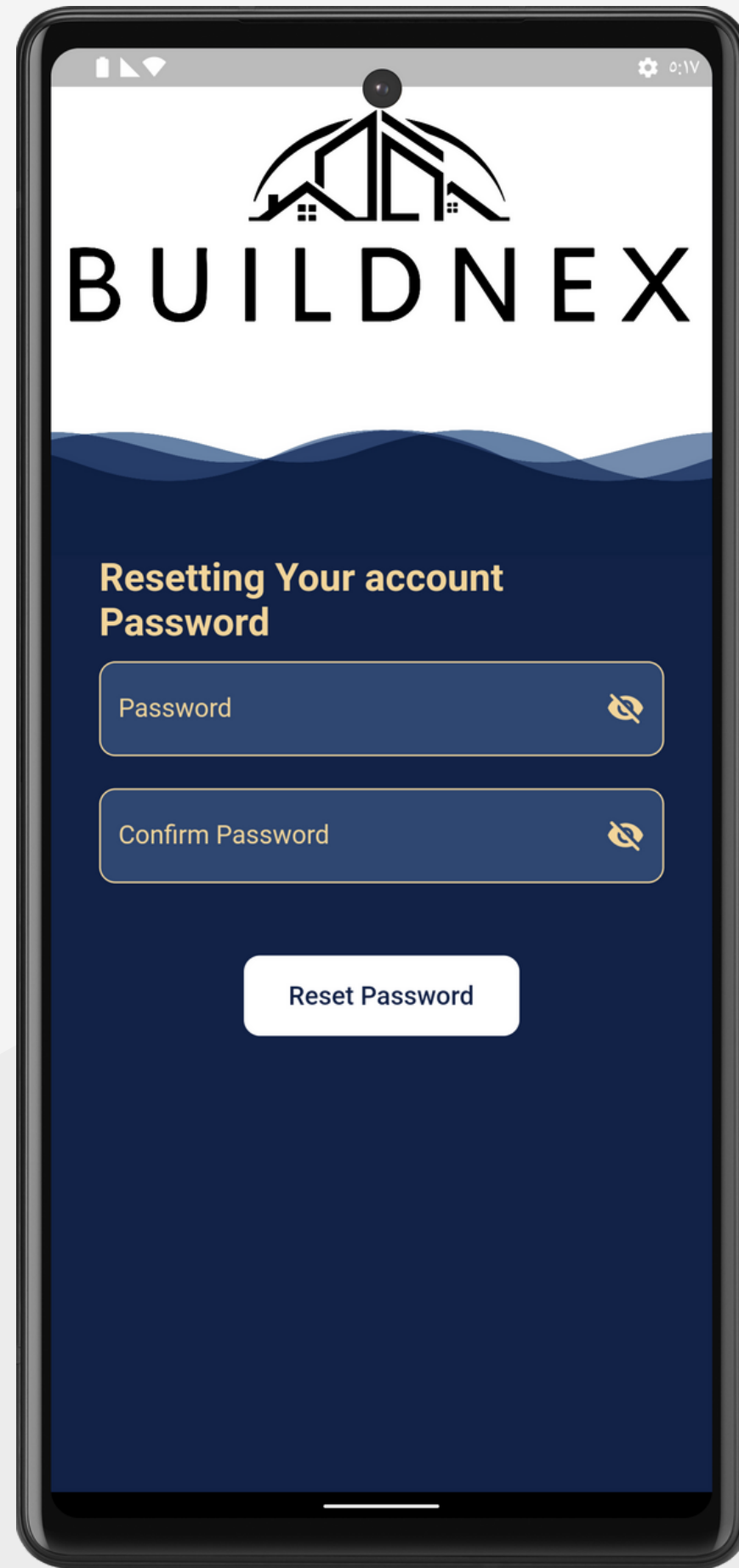
Following the **Reset Password** Process:





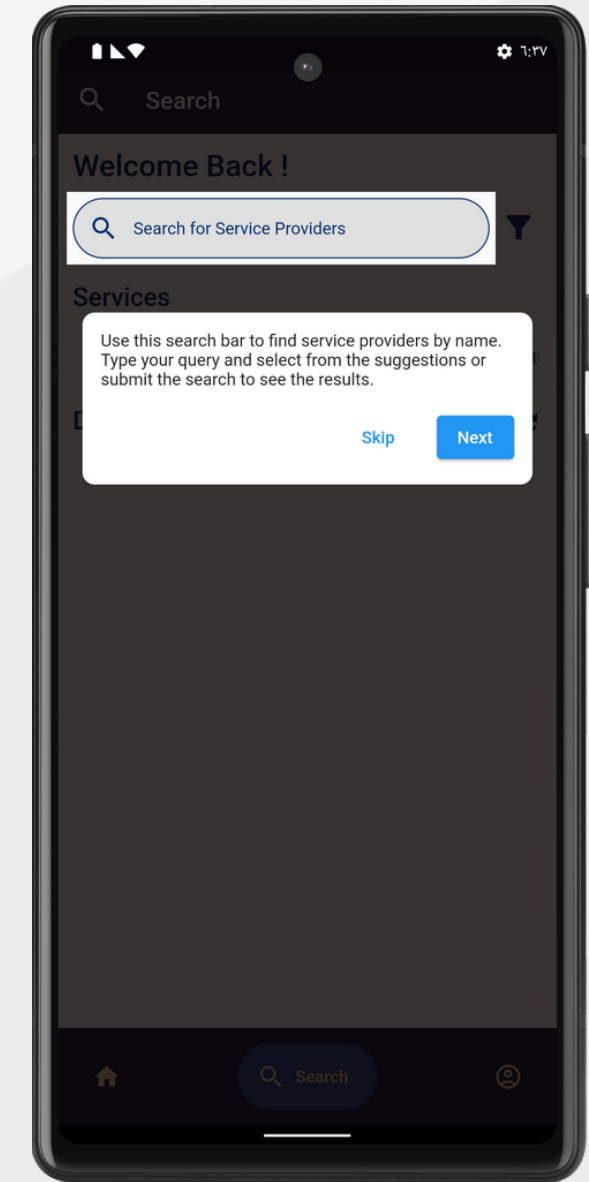
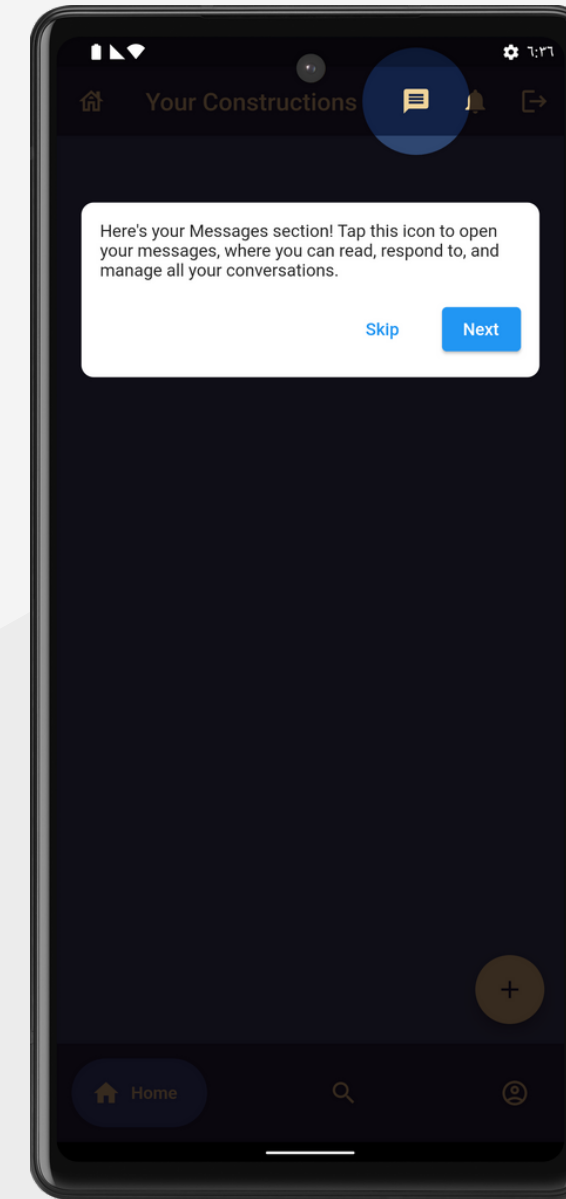
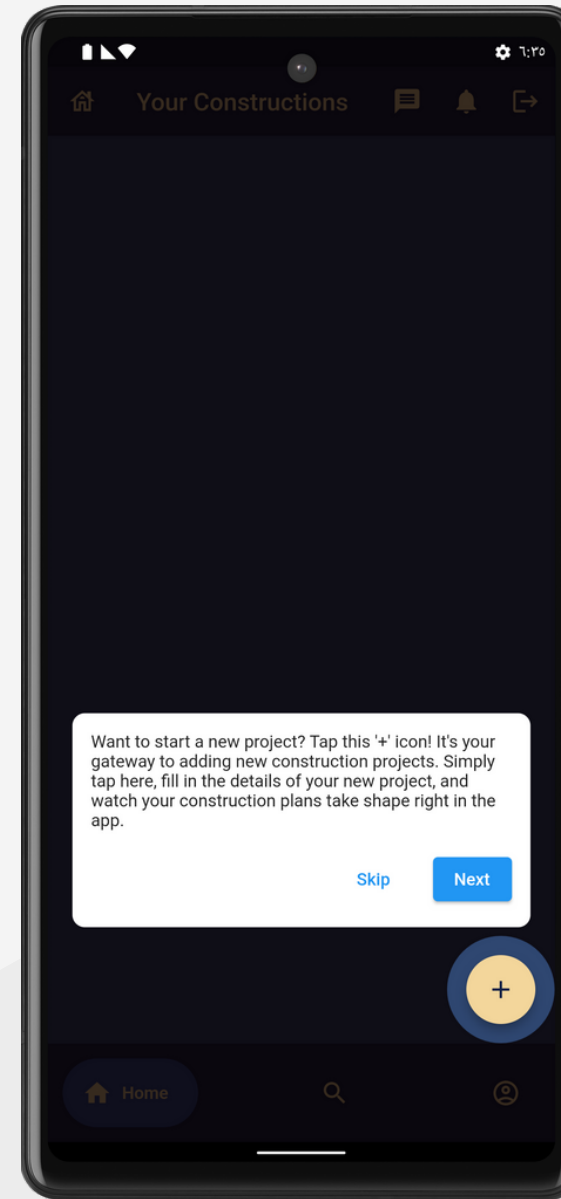
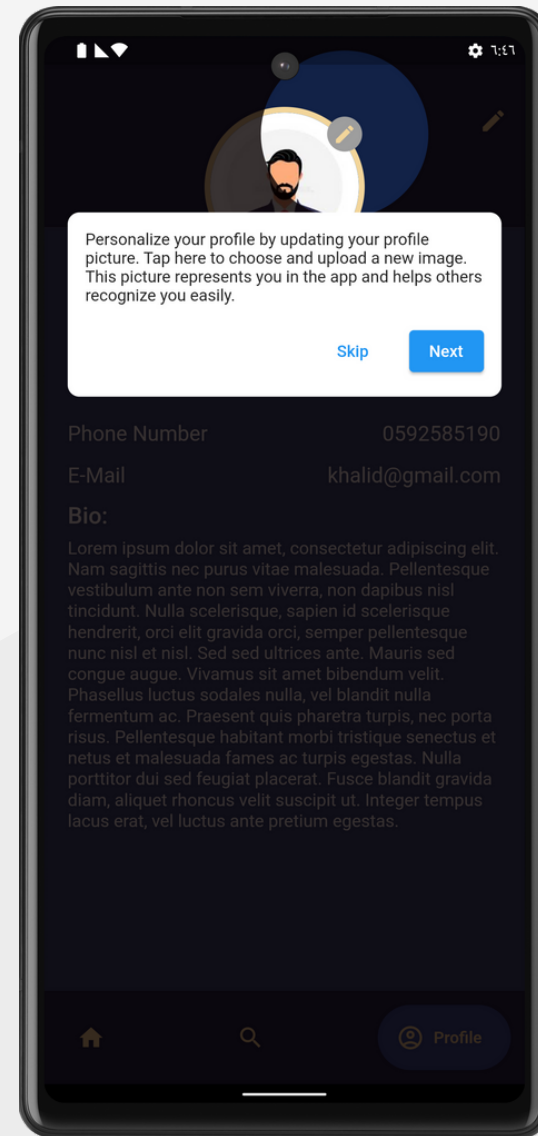
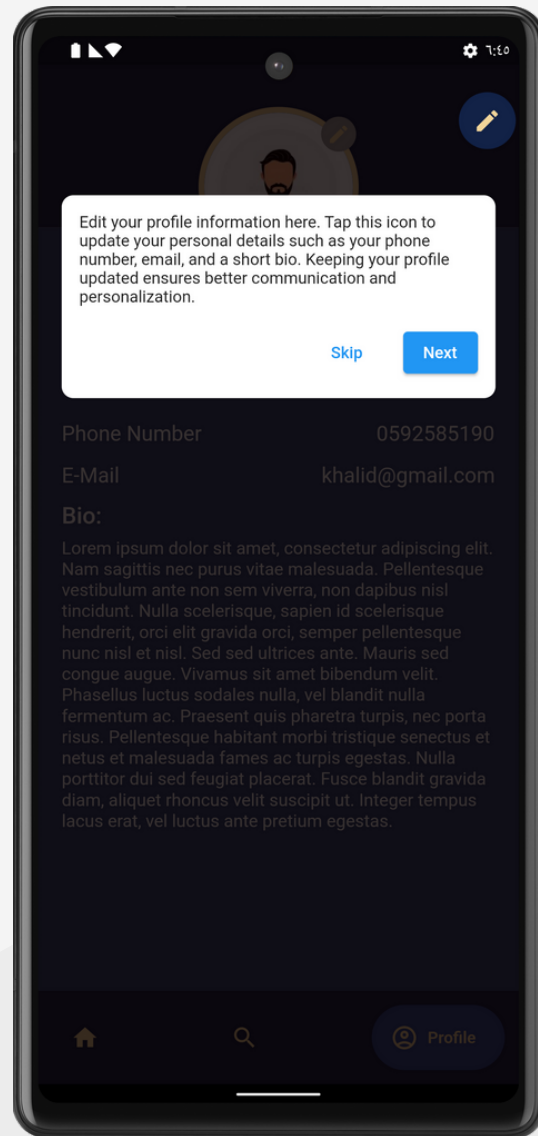
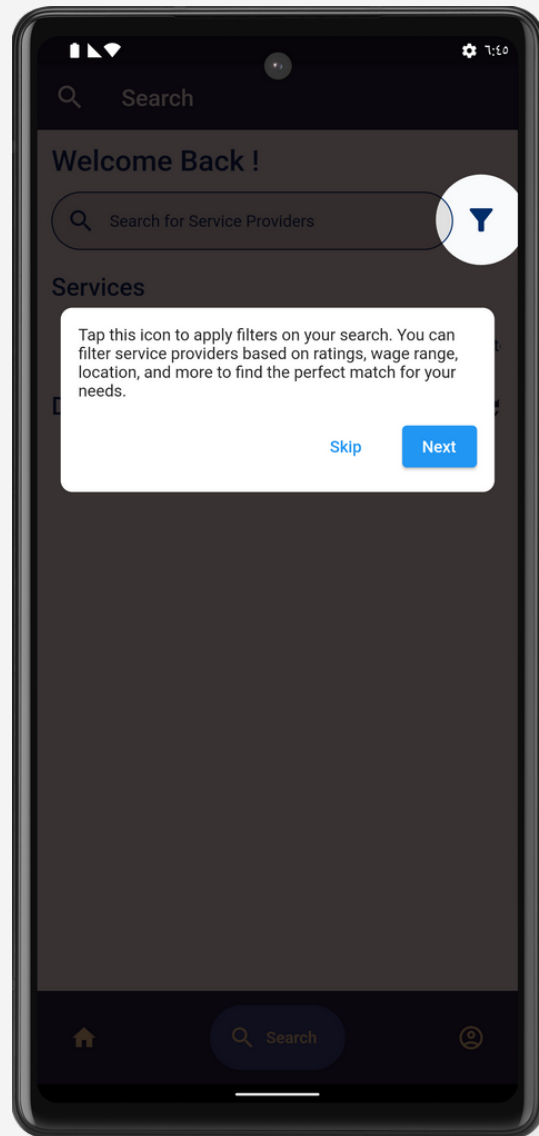
# APPLICATION OVERVIEW

Following the **Reset Password** Process:



# APPLICATION OVERVIEW

Following **Guide System** for both service provider and homeowner



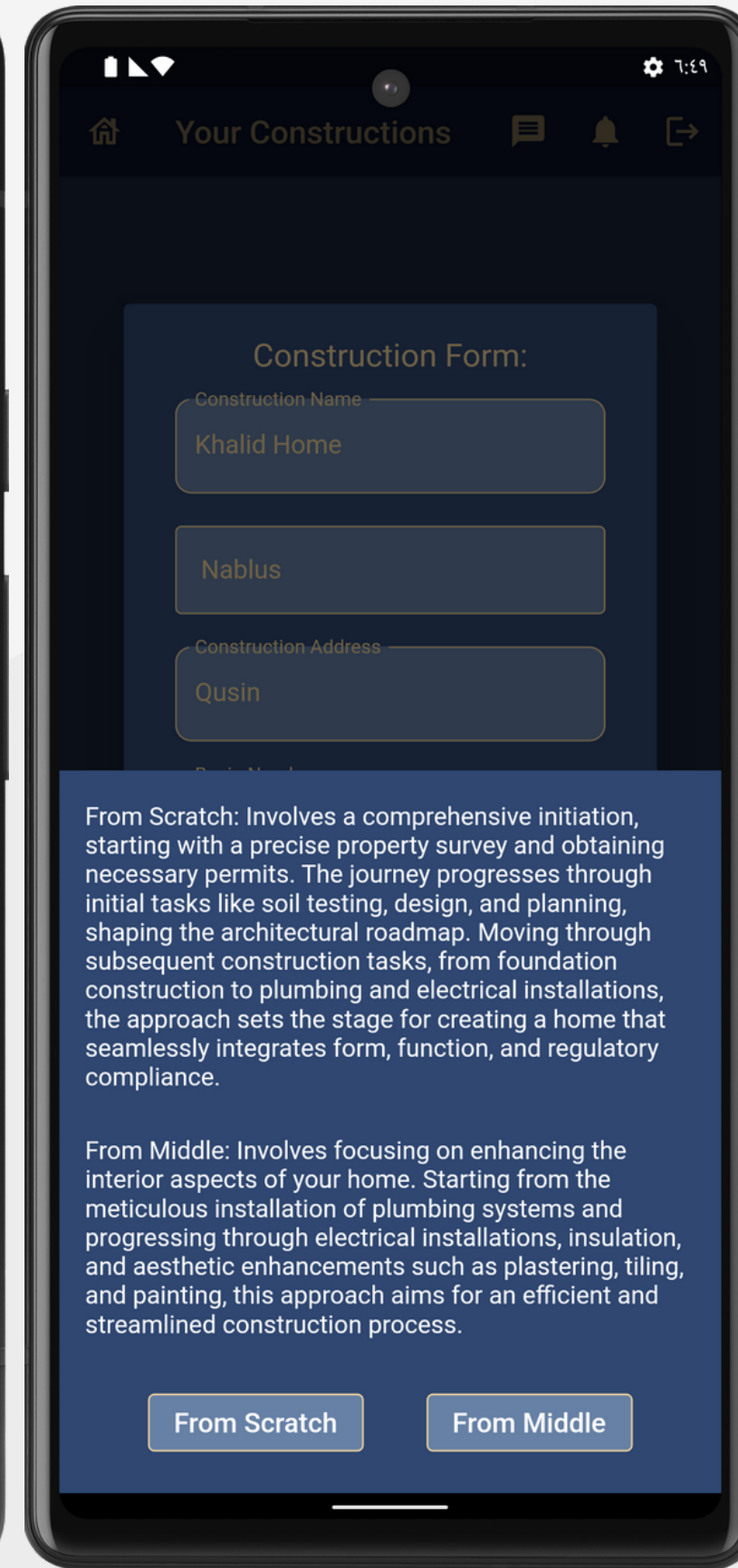
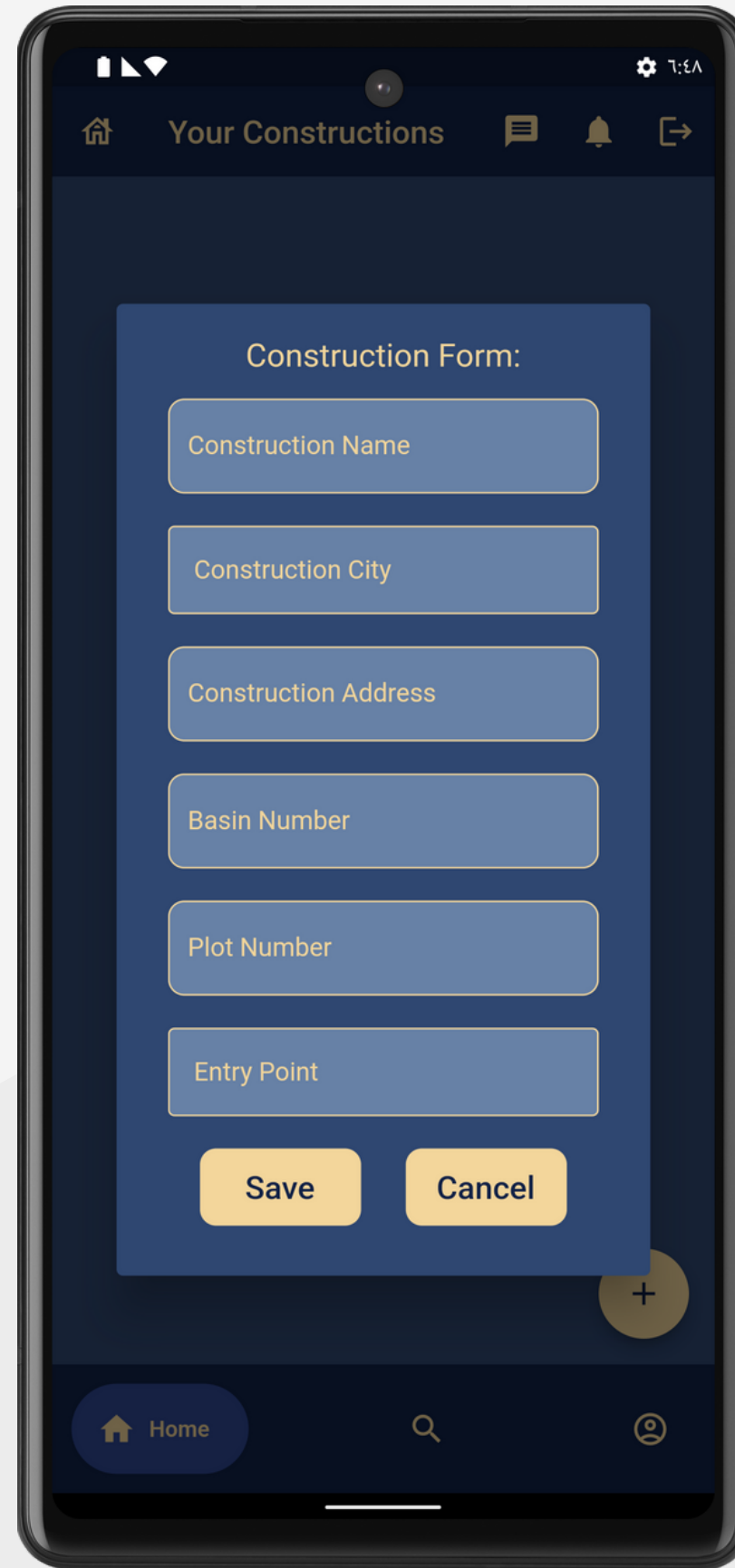
# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

## 1) HOME PAGE:

This Page will be responsible on:

- Navigating user projects
- Adding new projects



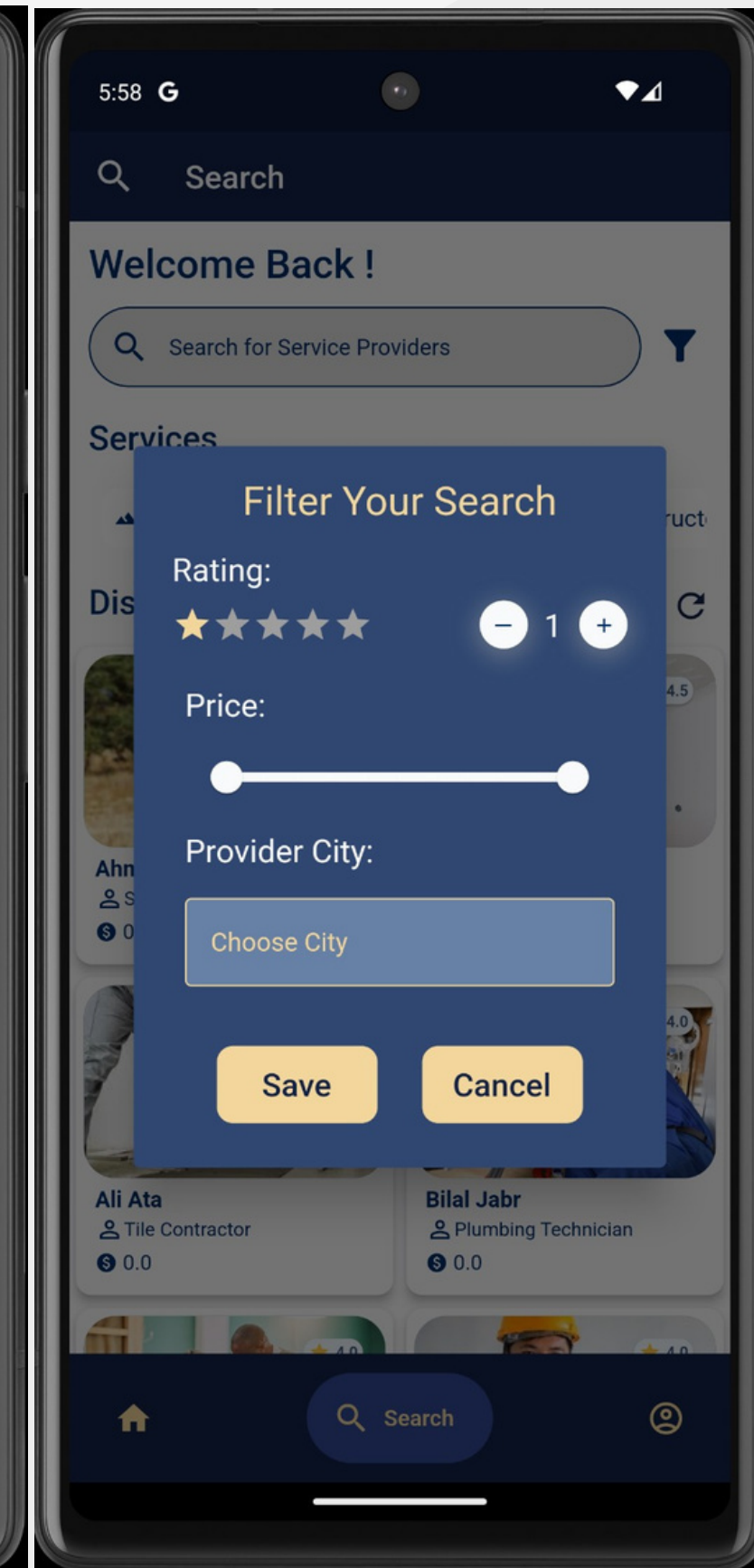
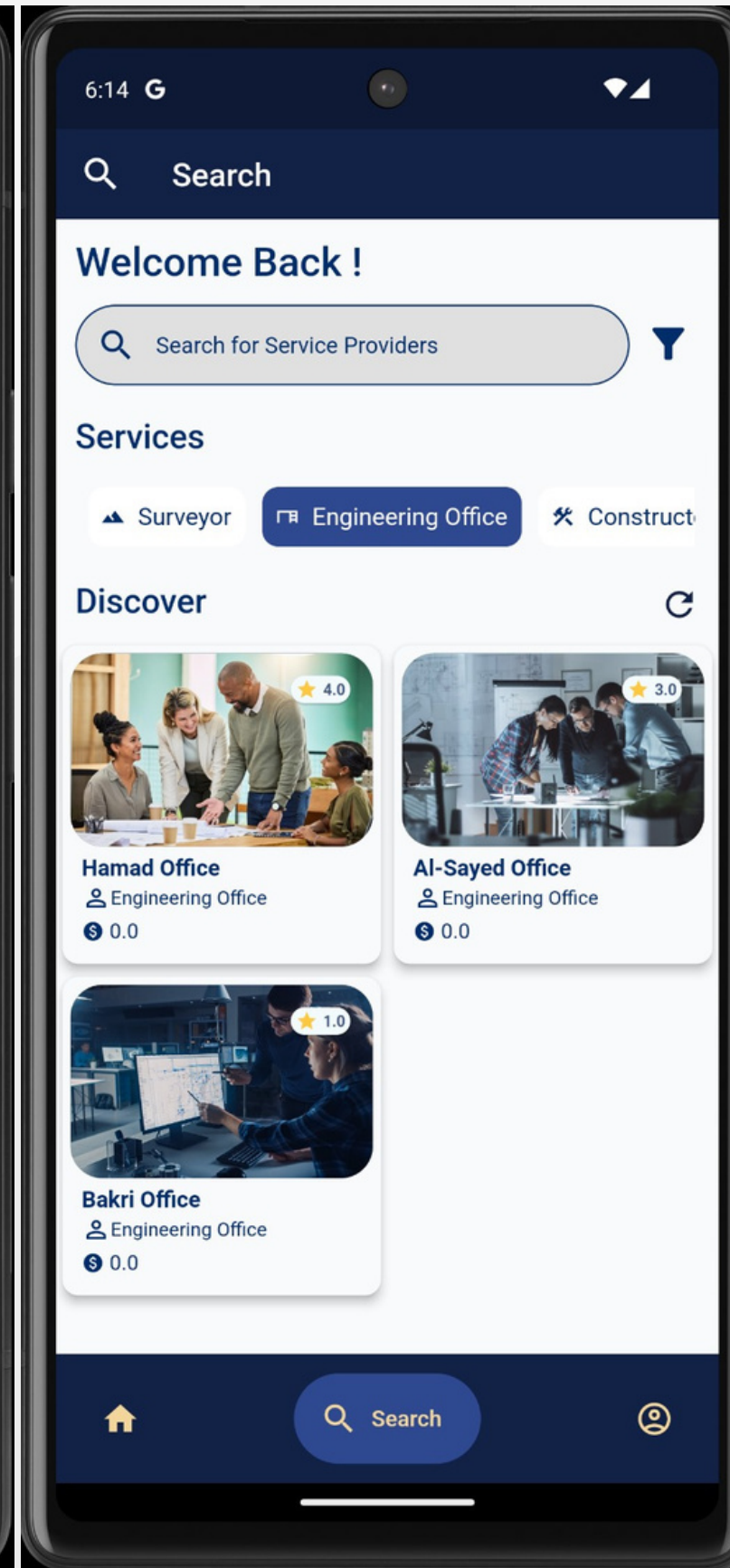
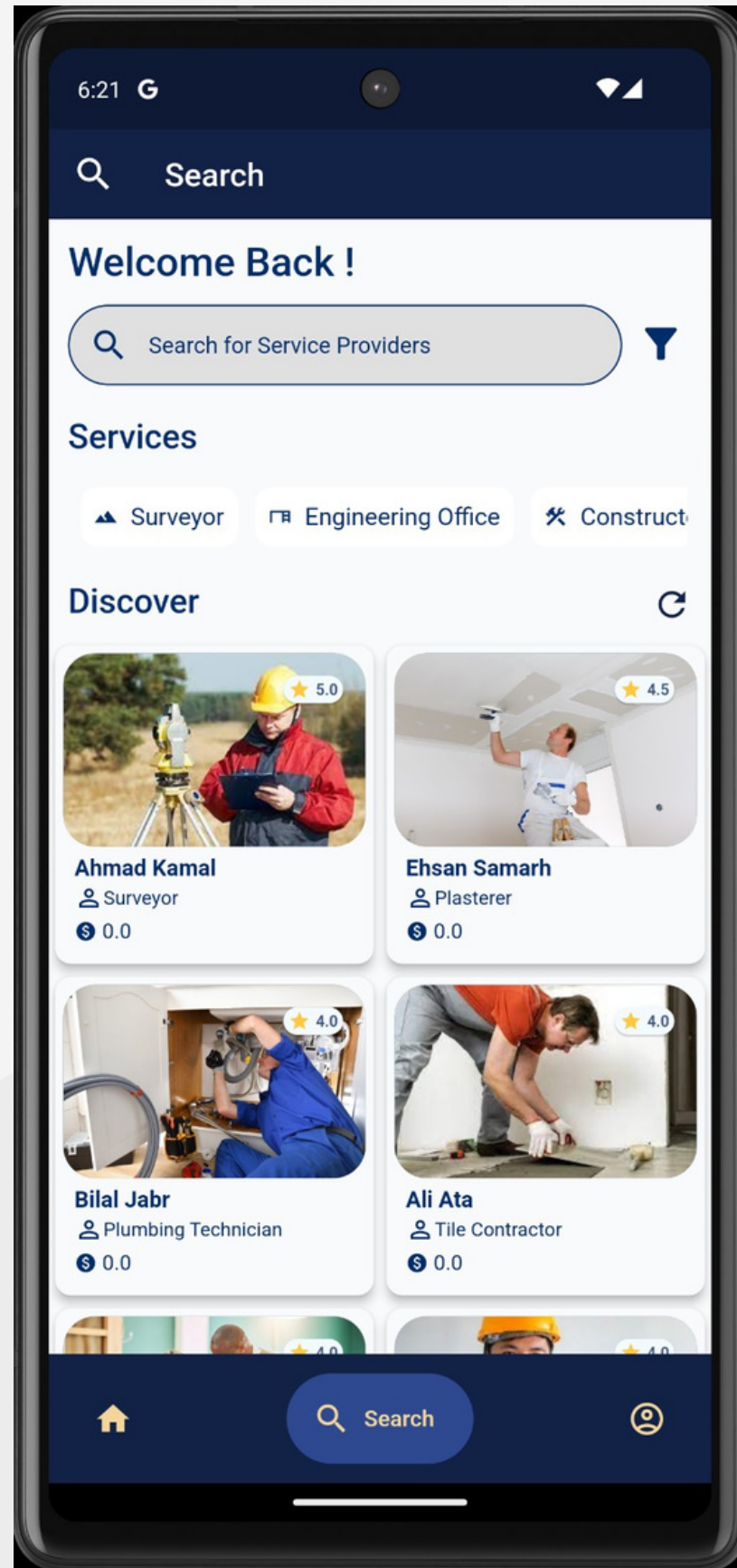
# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

## 2) SEARCH PAGE:

This Page will be responsible on:

- Navigating the top service providers
- Filtering the SP based on different categories such as location, provided service, etc.



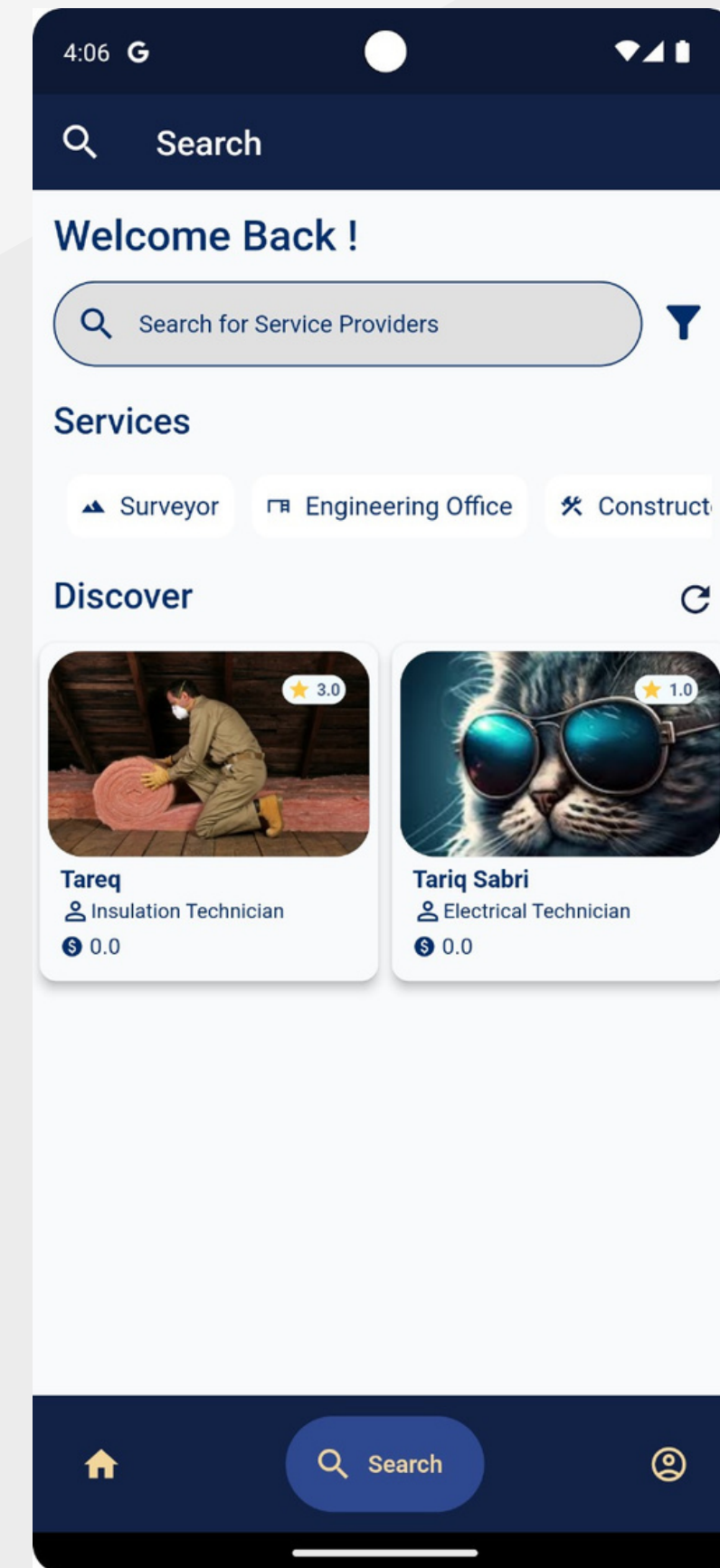
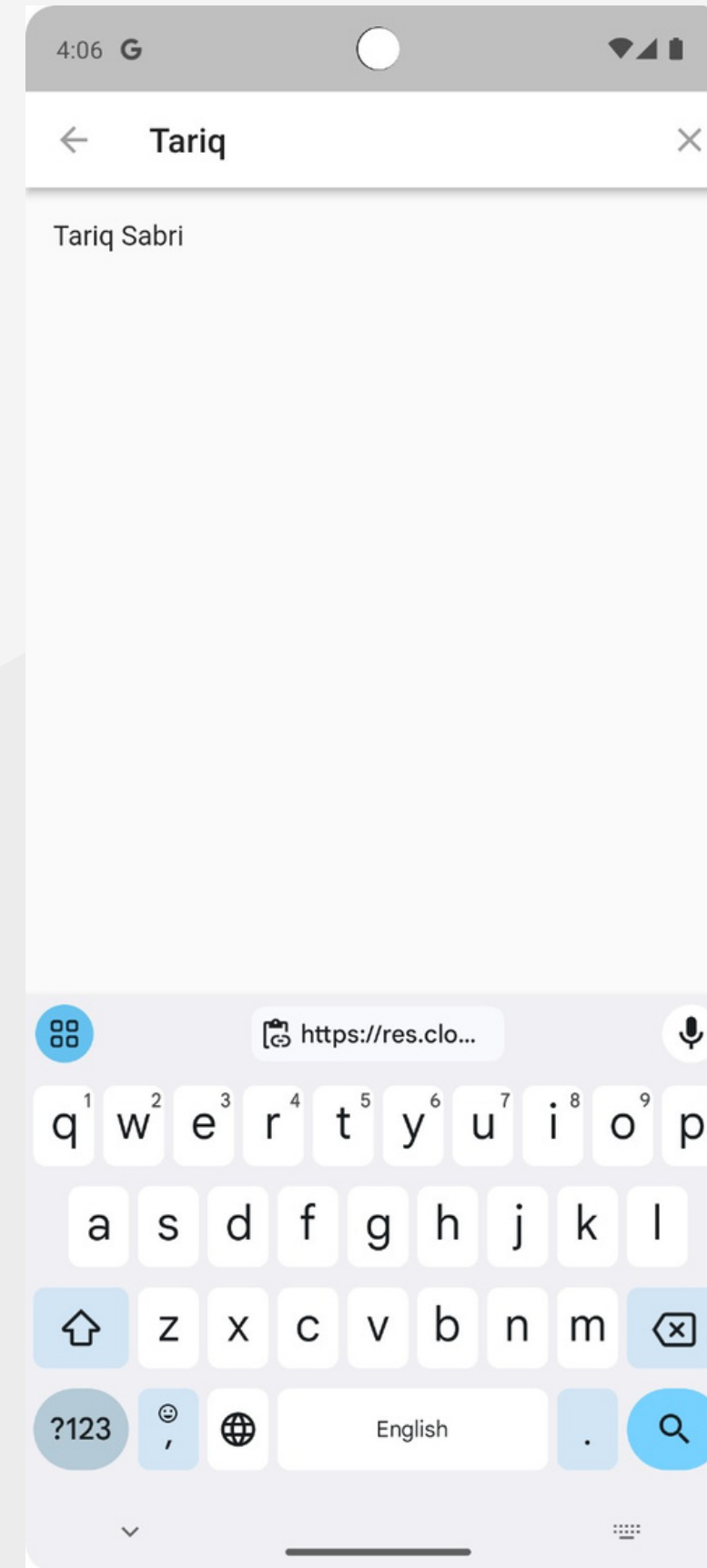
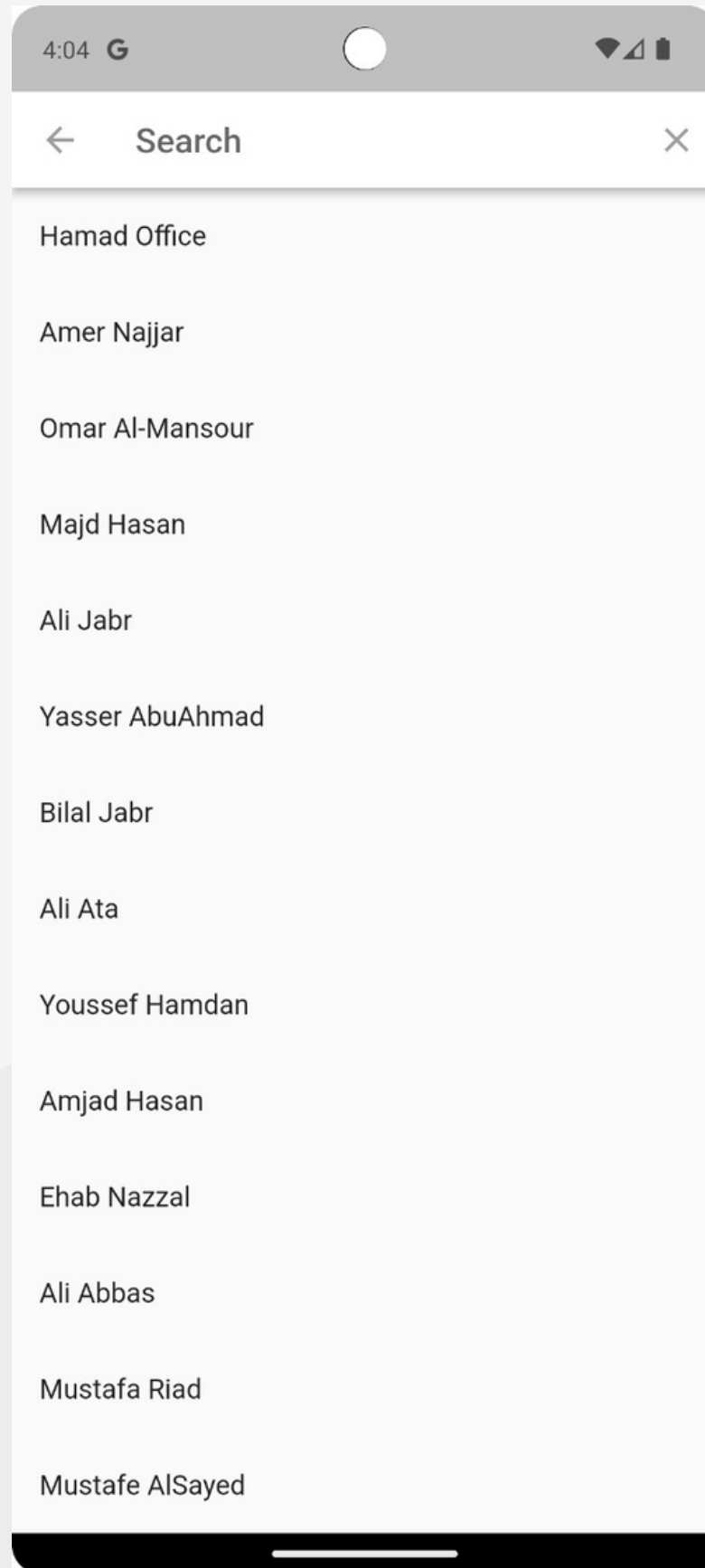
# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

## 2) SEARCH PAGE:

This Page will be responsible on:

- Search mechanism uses Fuzzy search.



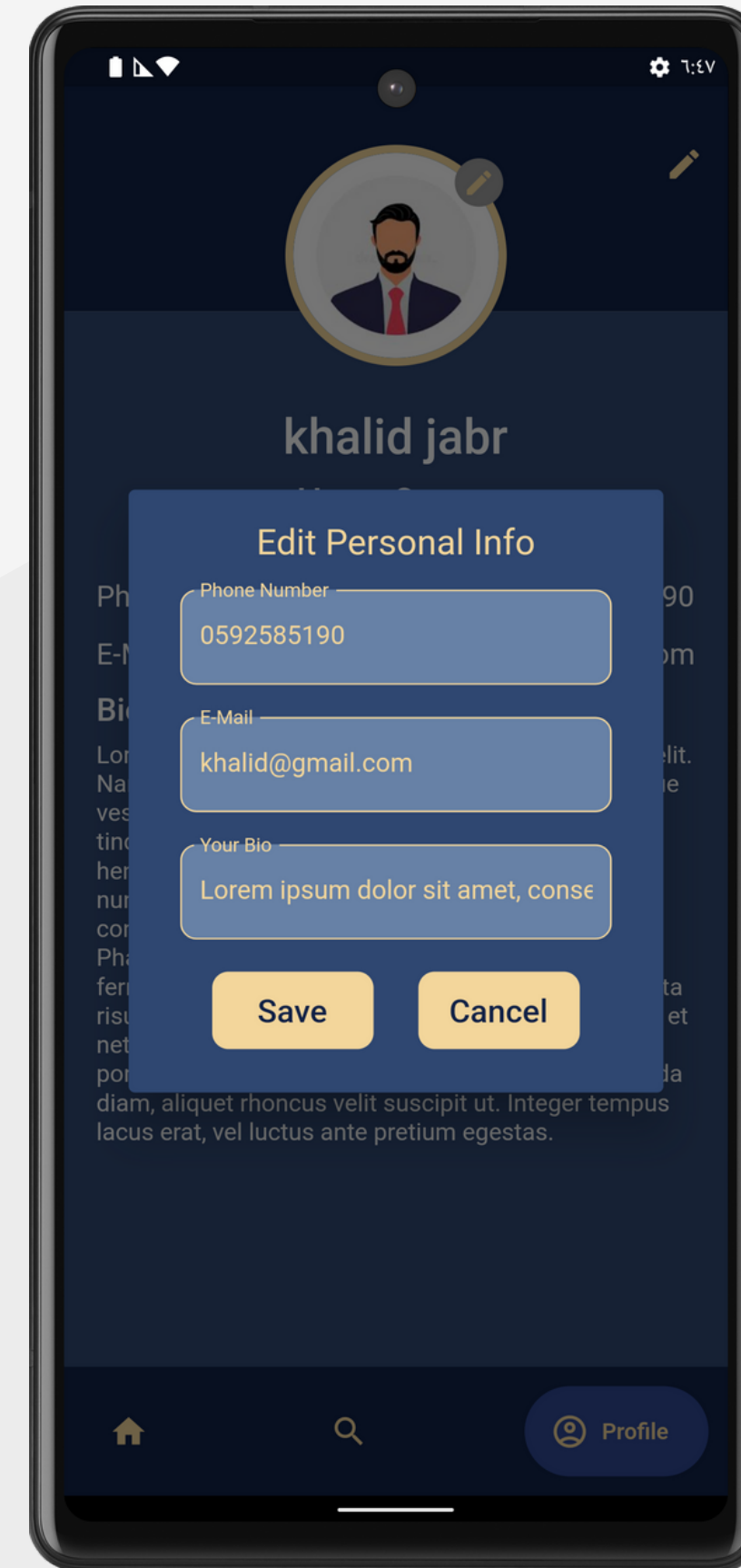
# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

## 3) PROFILE PAGE:

This Page will be responsible on:

- Navigating user information



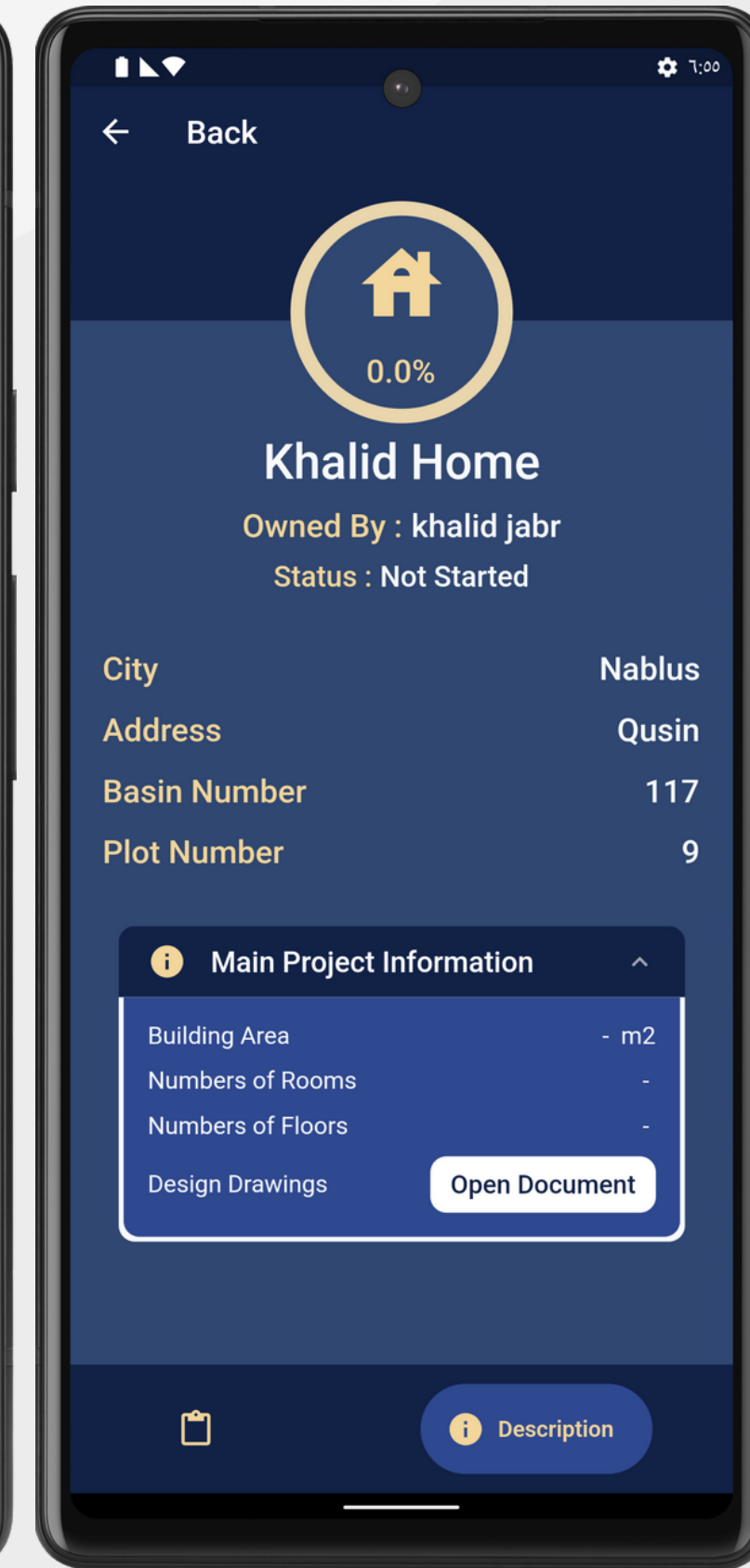
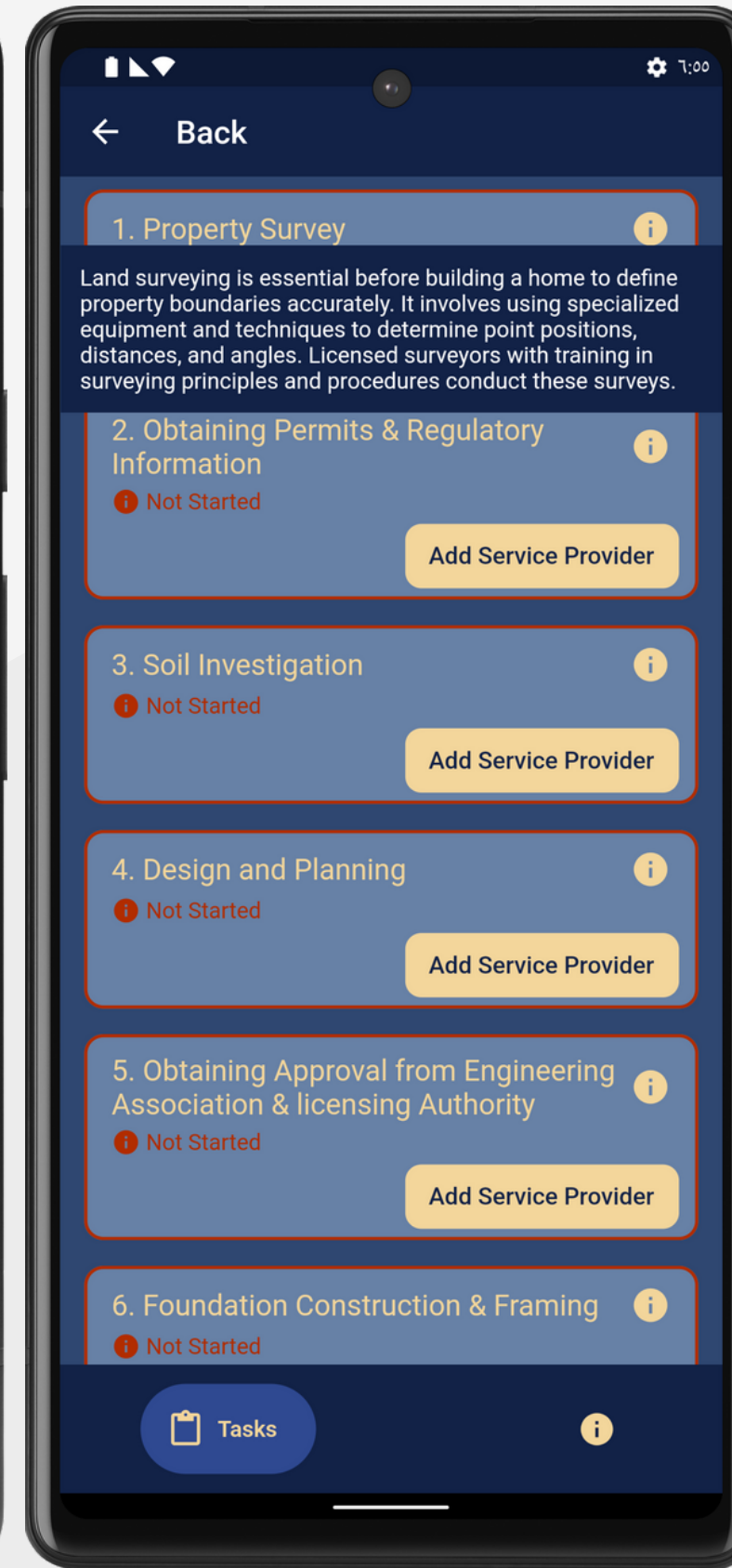
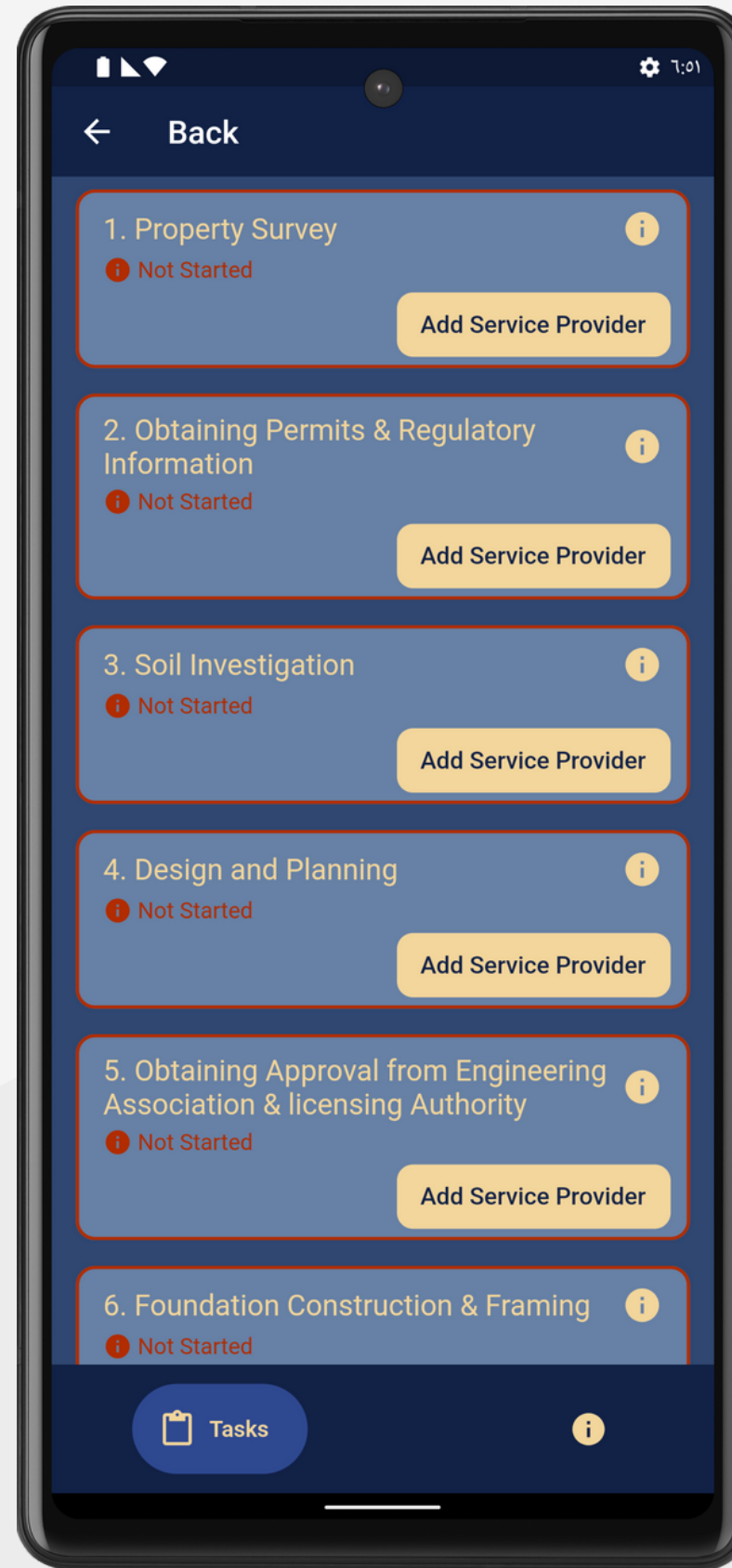
# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

## 4) PROJECT PAGE:

This Page will be responsible on:

- Navigating the project tasks with both, it's status and the assigned SP.
- Also, Showing the tasks description.
- Project Progress and main information.

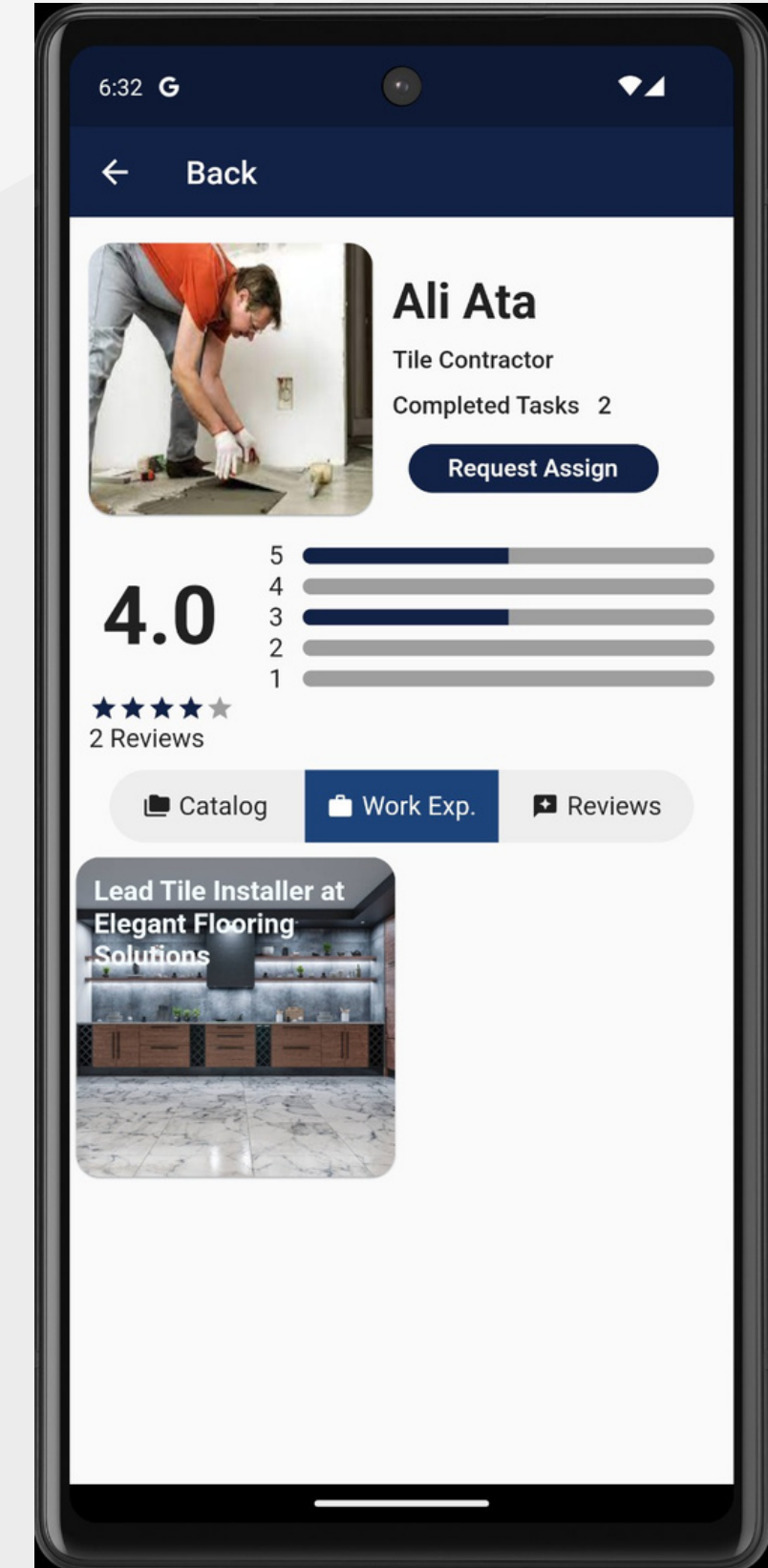
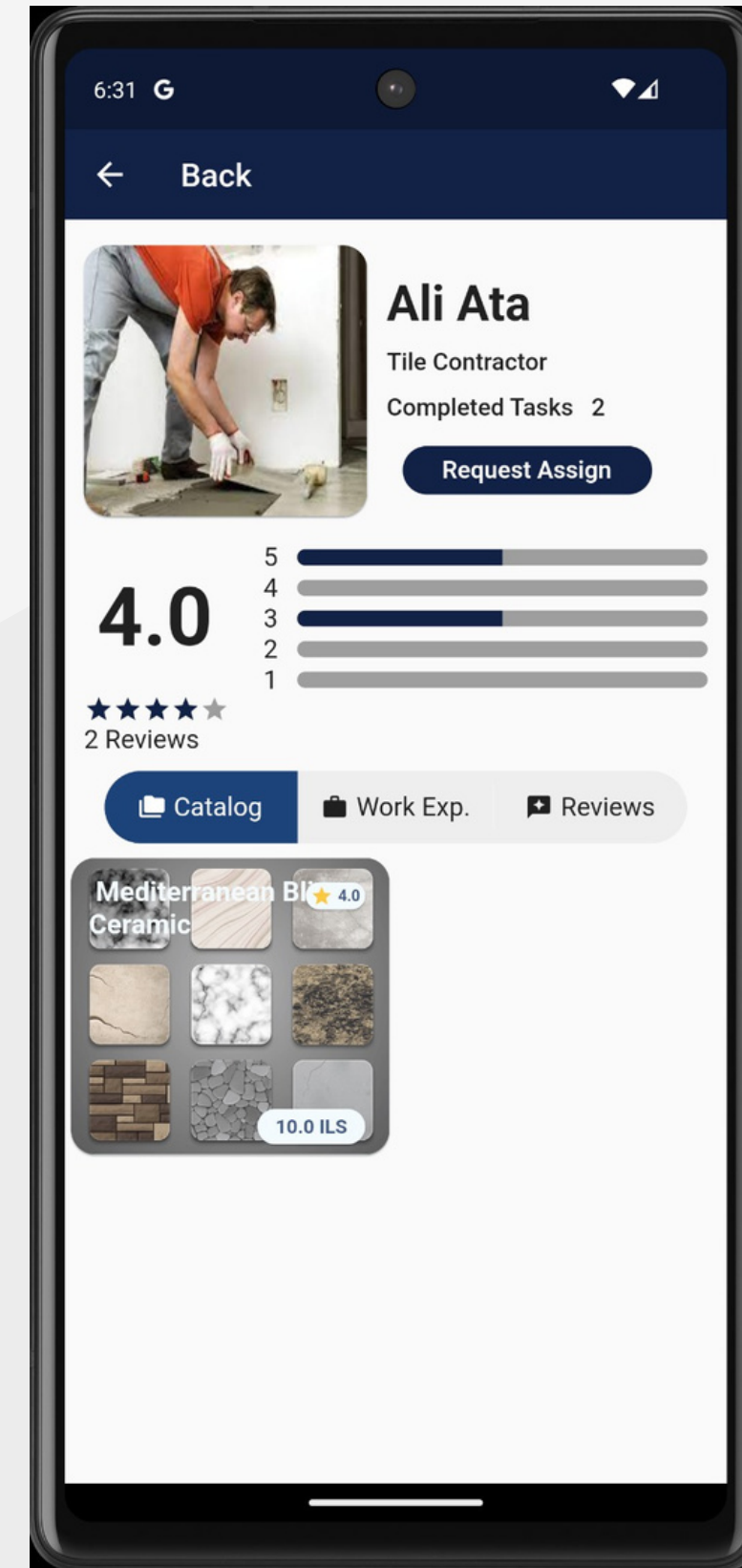
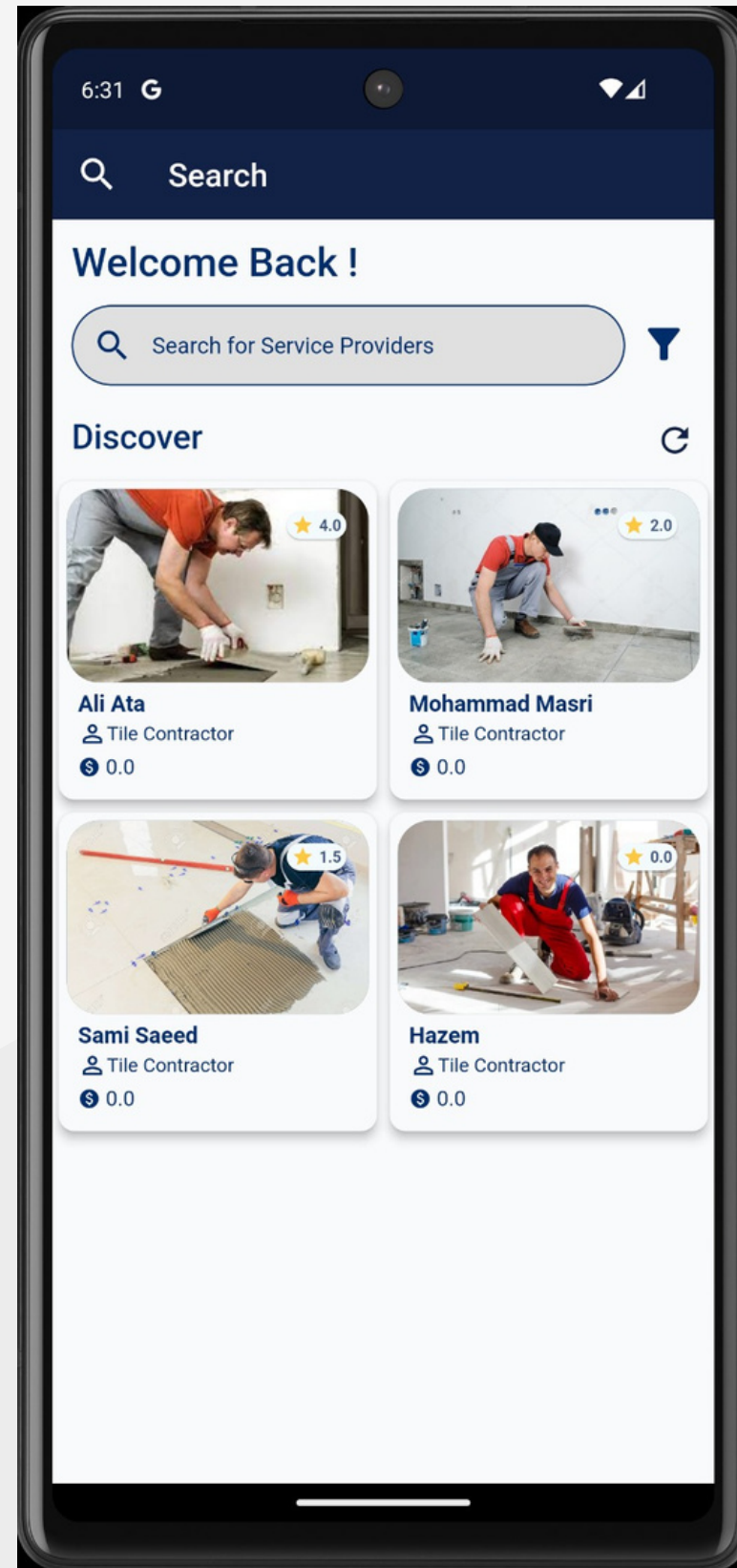


# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

## 5) ASSIGNING SERVICE PROVIDER:

Here the homeowner will be able to add service provider and request assign to the task

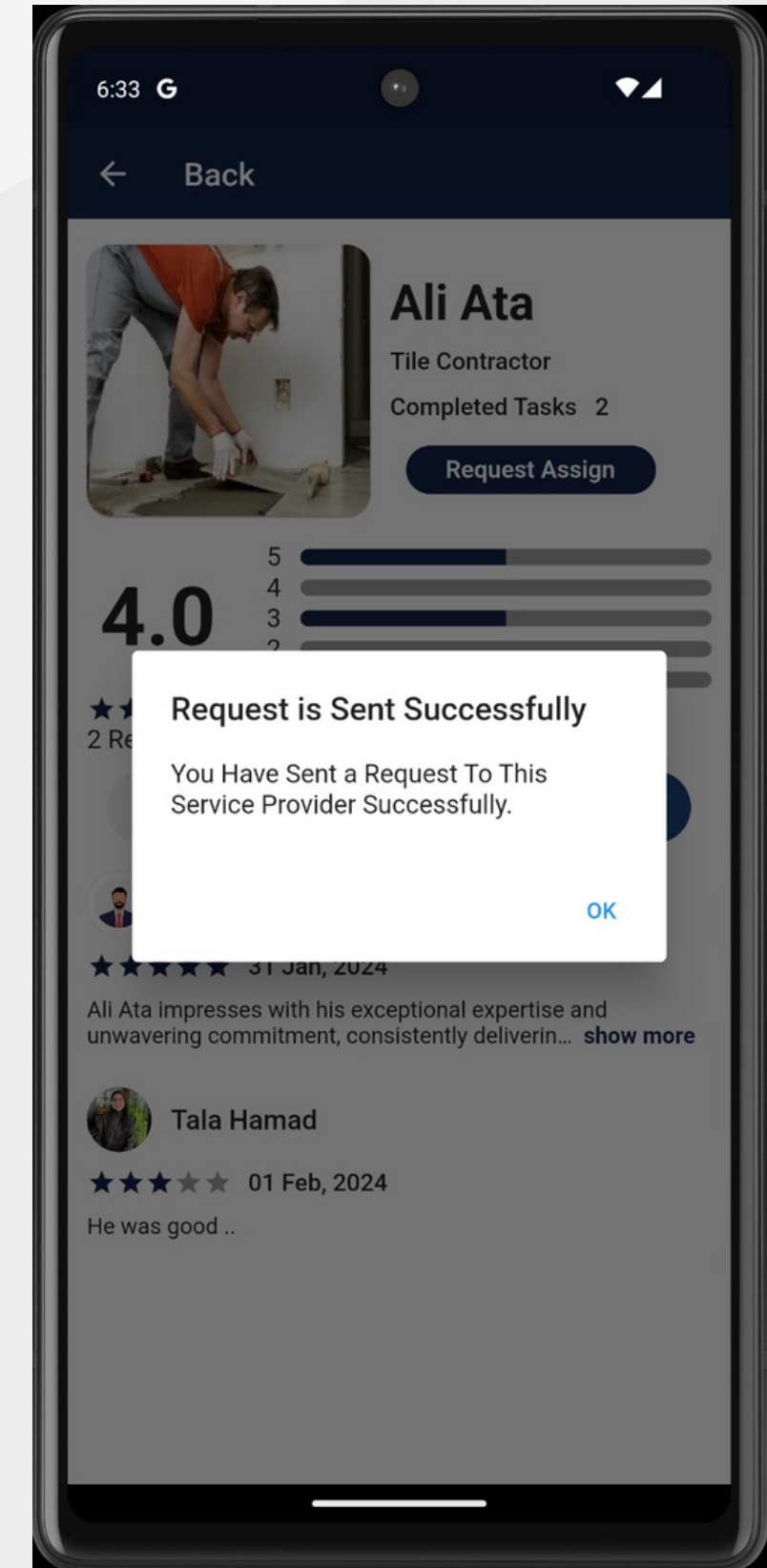
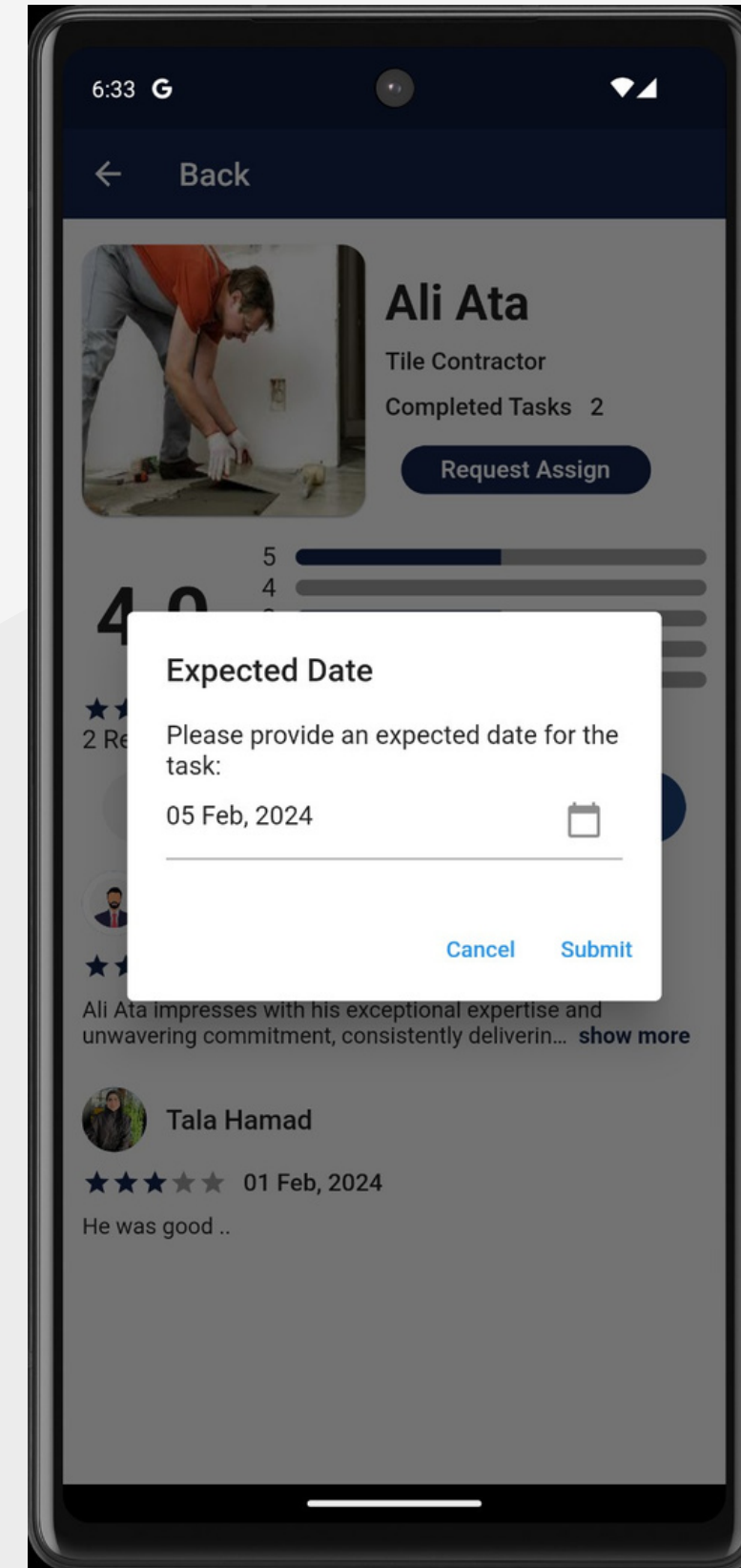
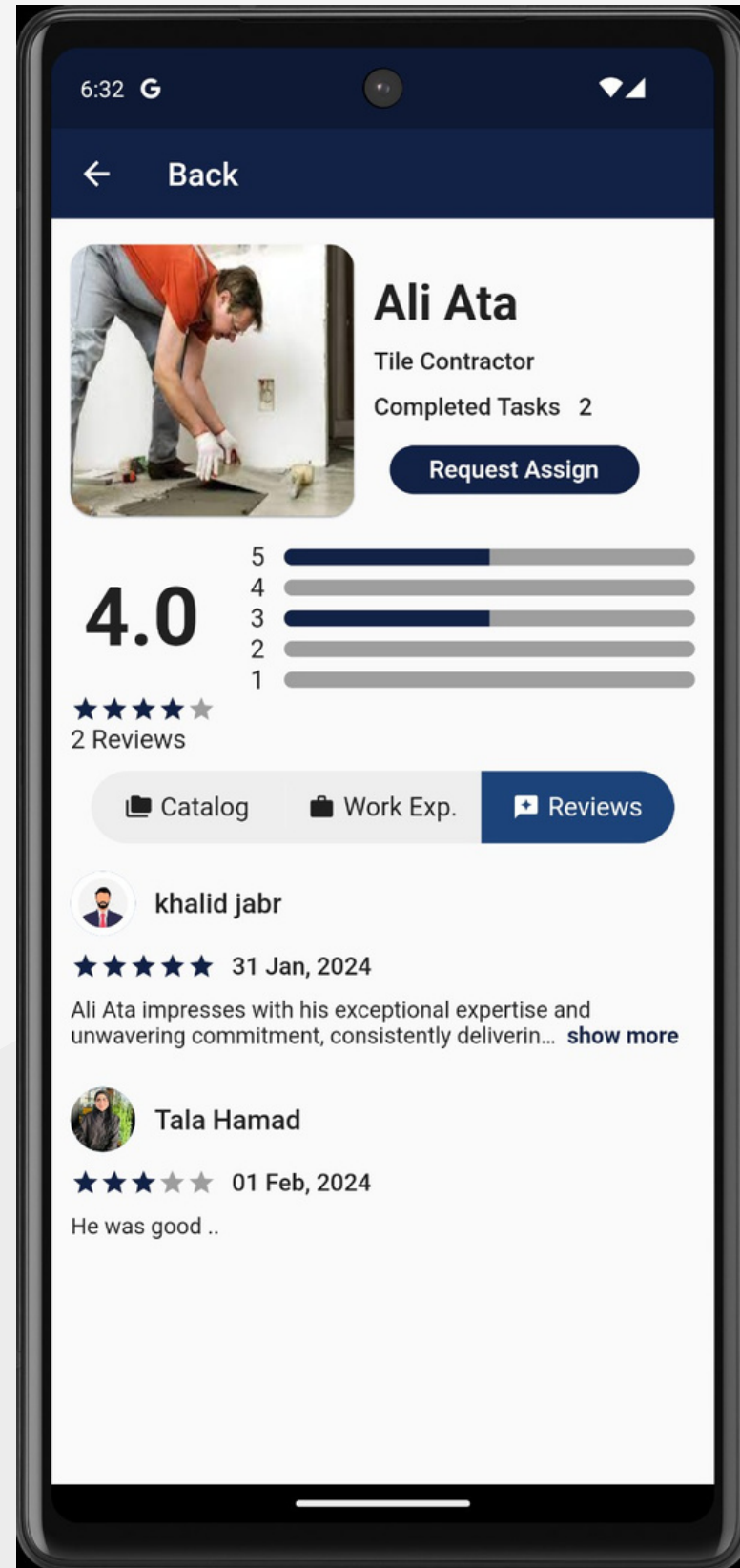


# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

## 5) ASSIGNING SERVICE PROVIDER:

Here the homeowner will be able to add service provider and request assign to the task



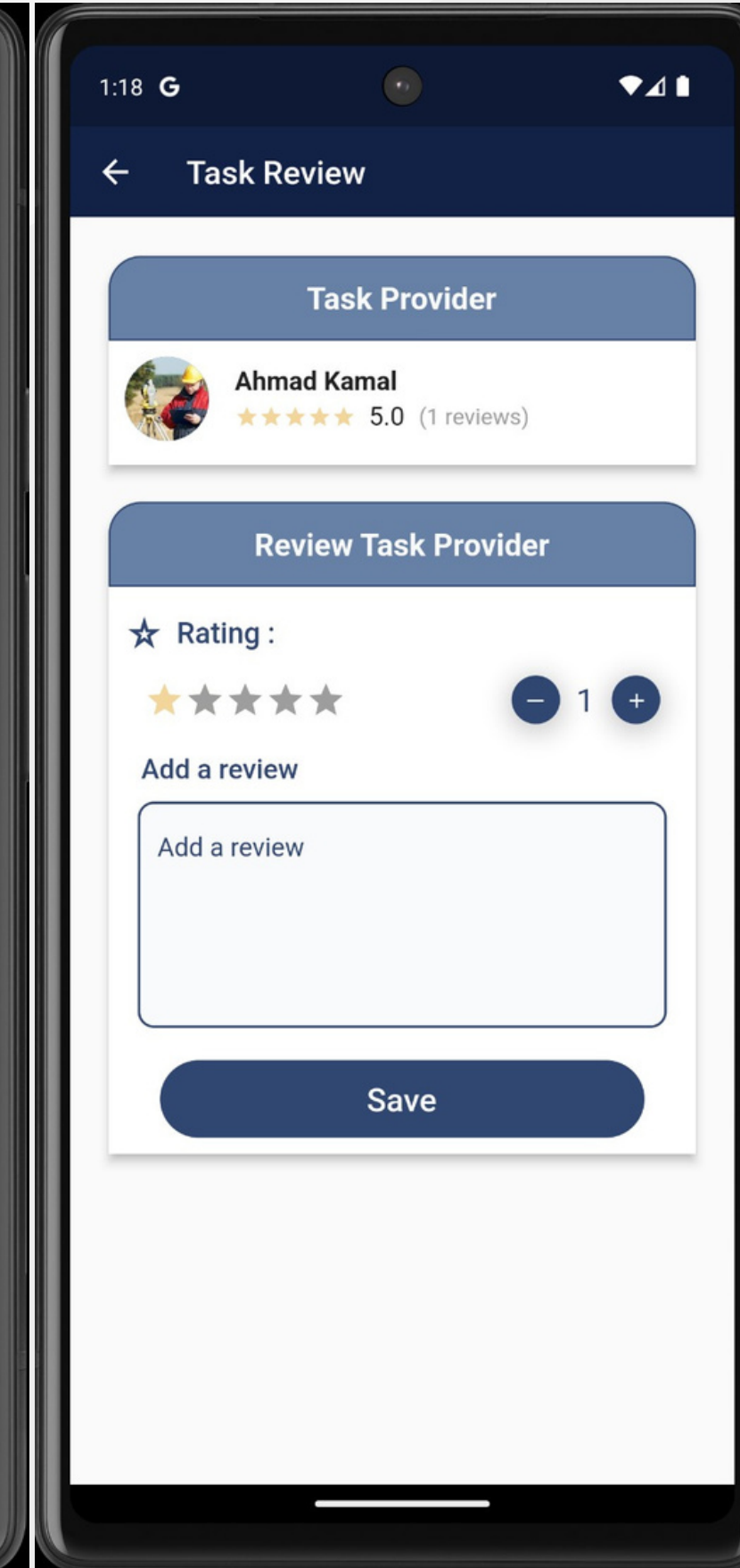
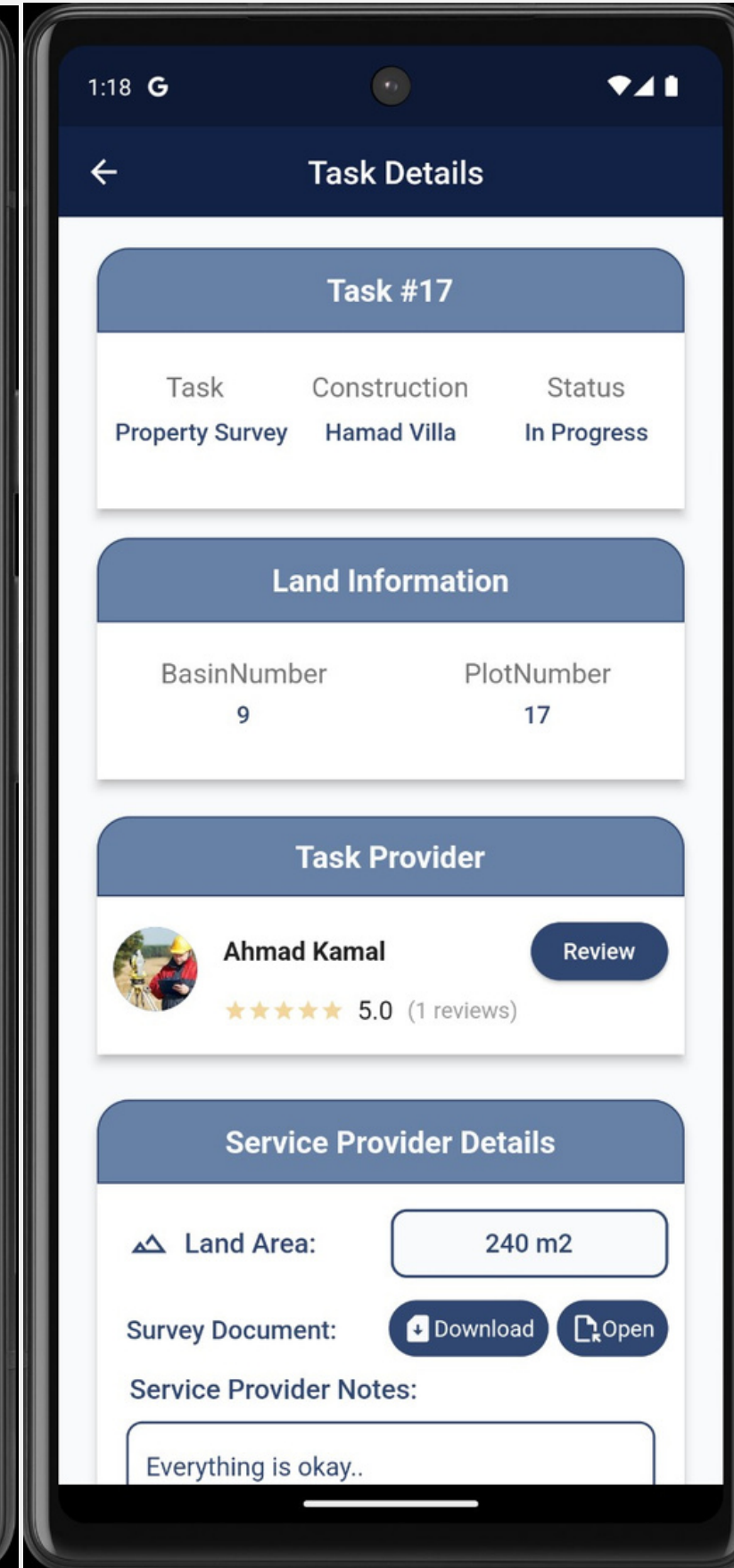
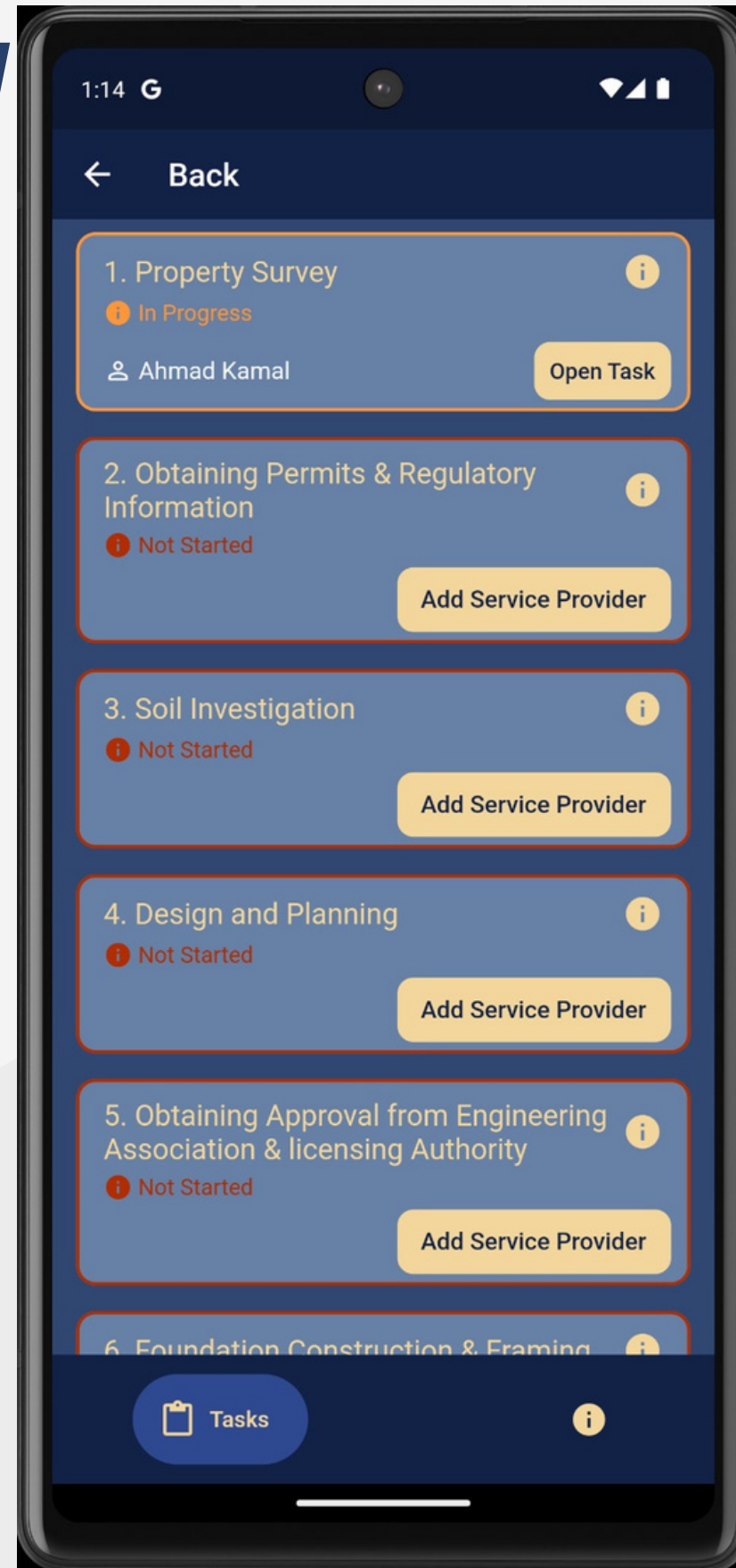
# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

## 6) TASK PAGE:

This Page will be responsible on:

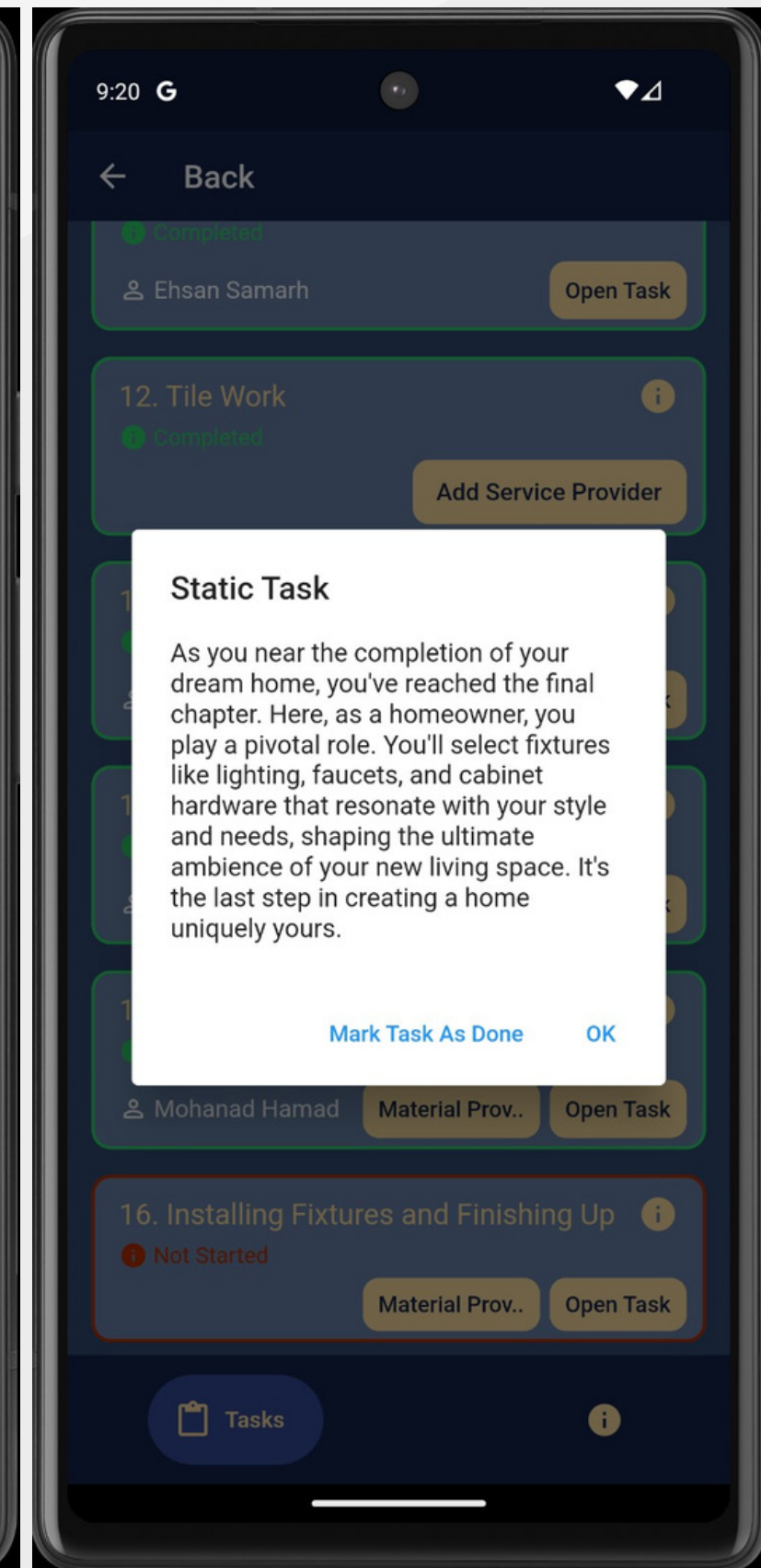
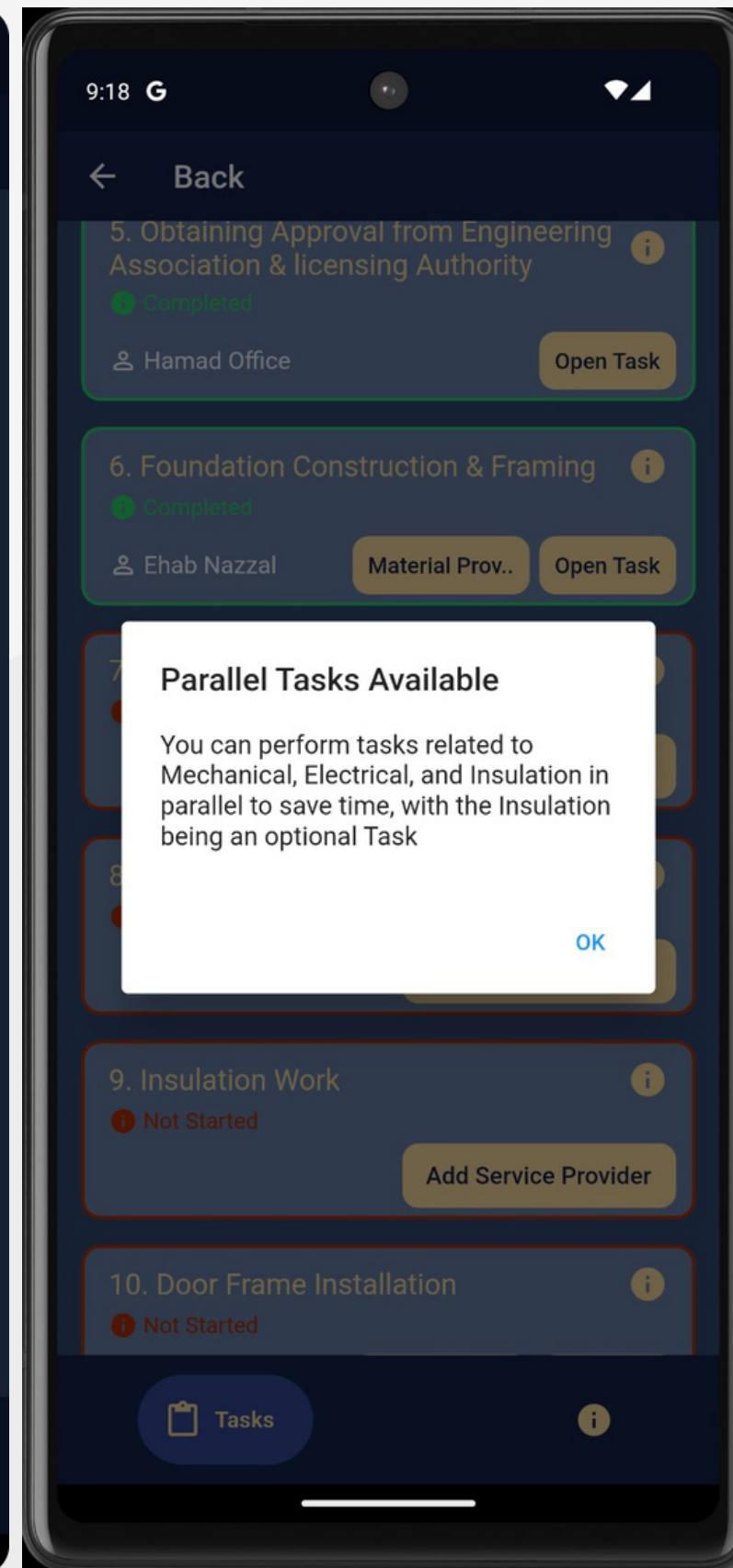
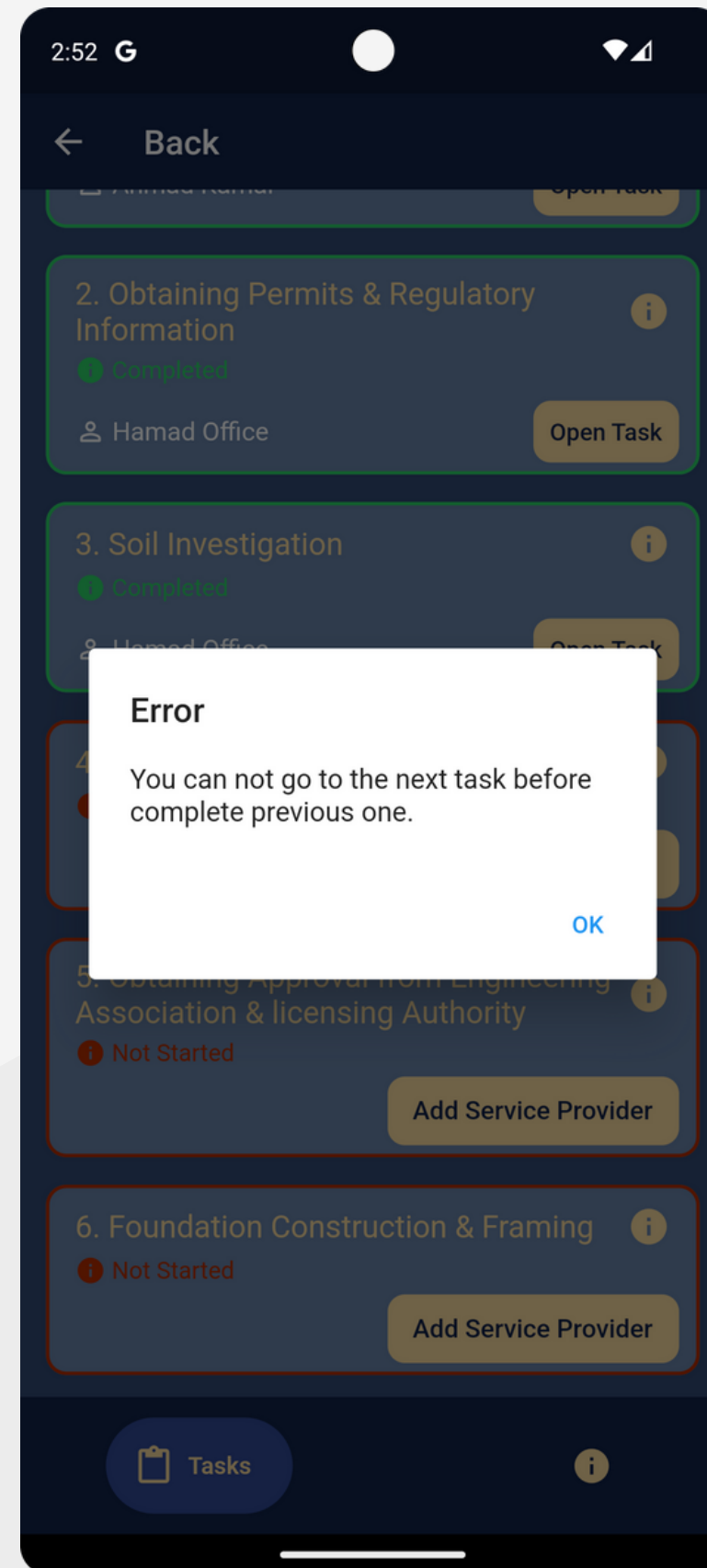
- Navigating the main information about task.
- Interacting with SP.
- Also, Reviewing the SP.



# APPLICATION OVERVIEW

## Following Pipeline System:

- The project flow has built as a close system.
- We have static task which consider the last task, to finish all the project requirements.

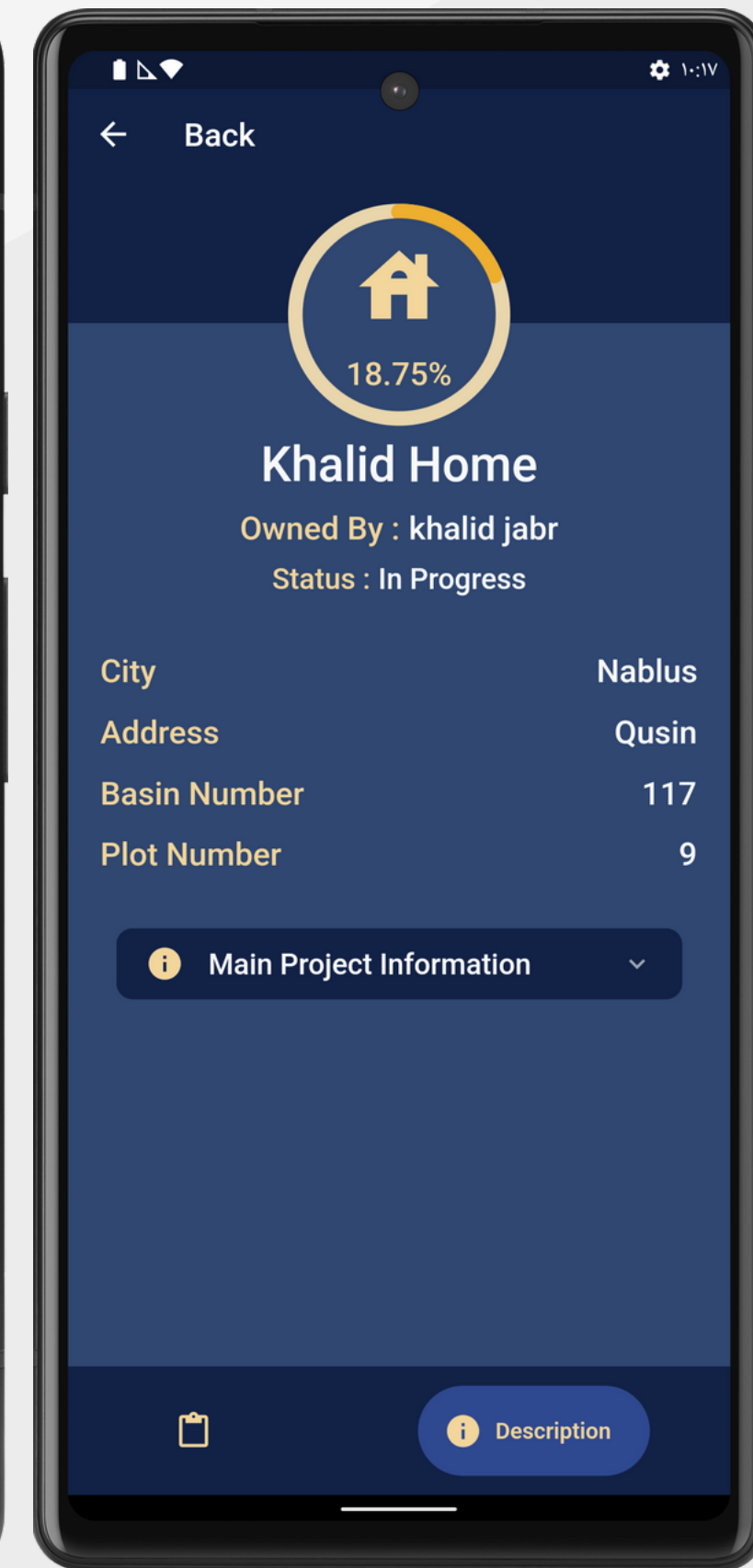
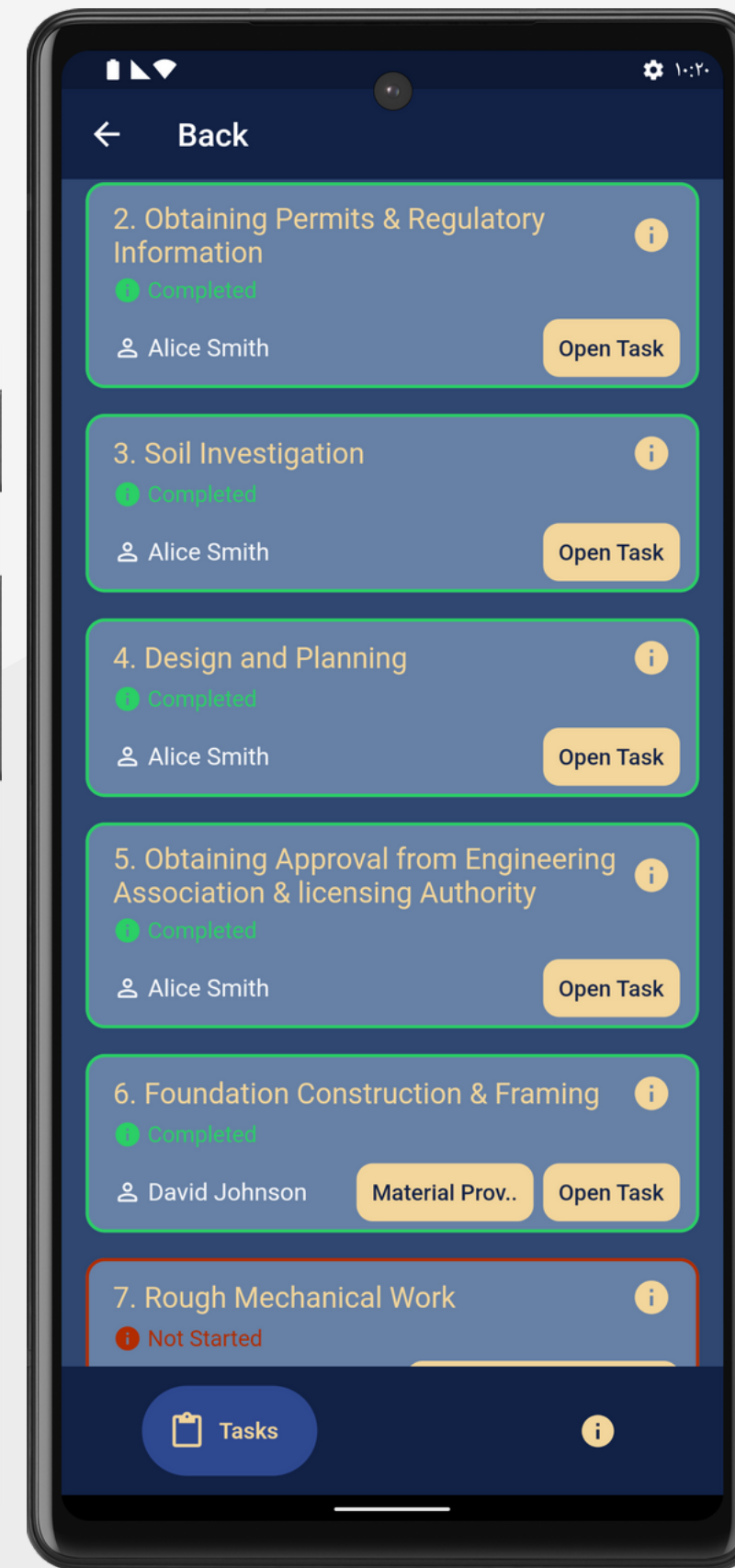


# APPLICATION OVERVIEW

Following **Howe Owner** side of the app:

MOREOVER,

homeowner will keep up with each project he owns using progress tracking system for the projects and the tasks



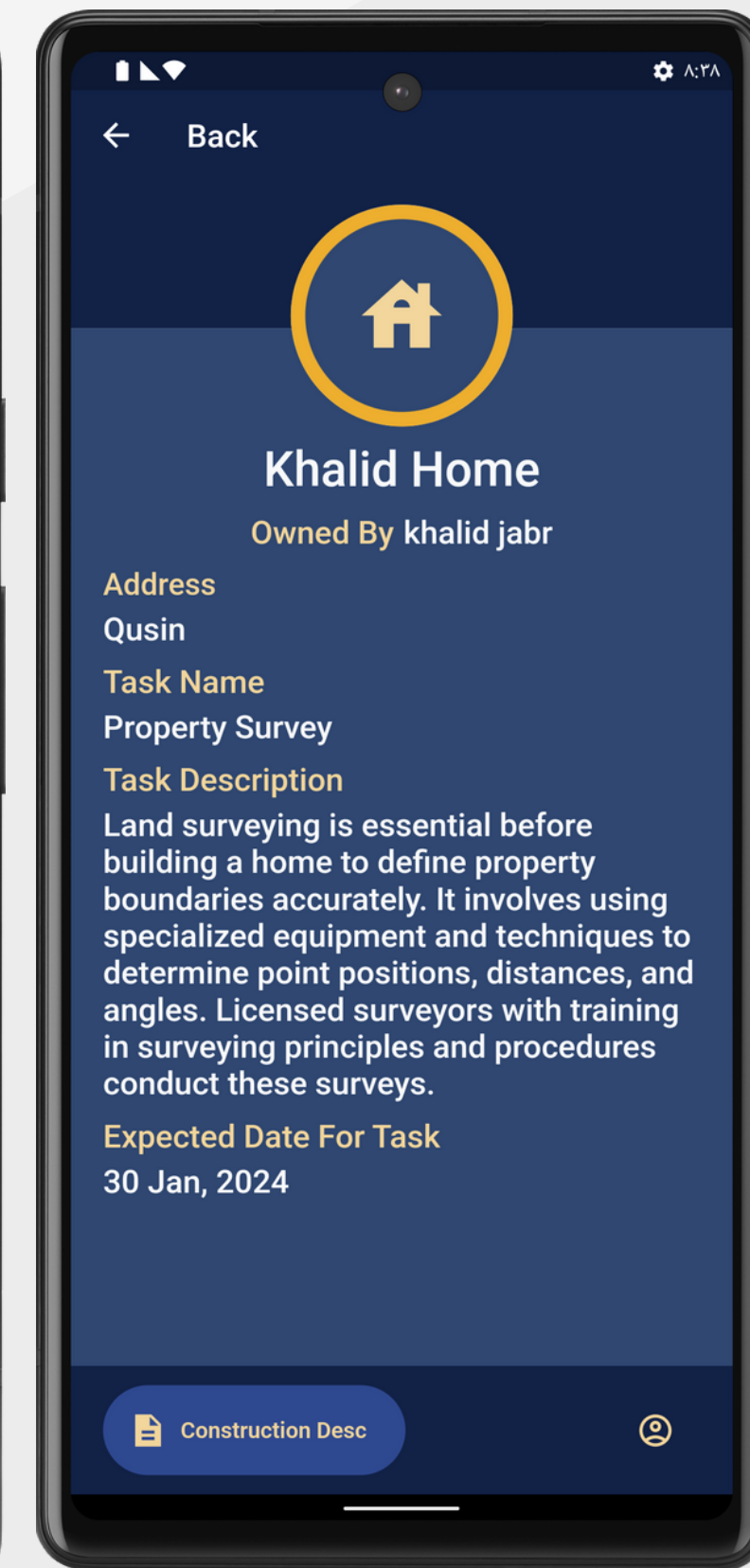
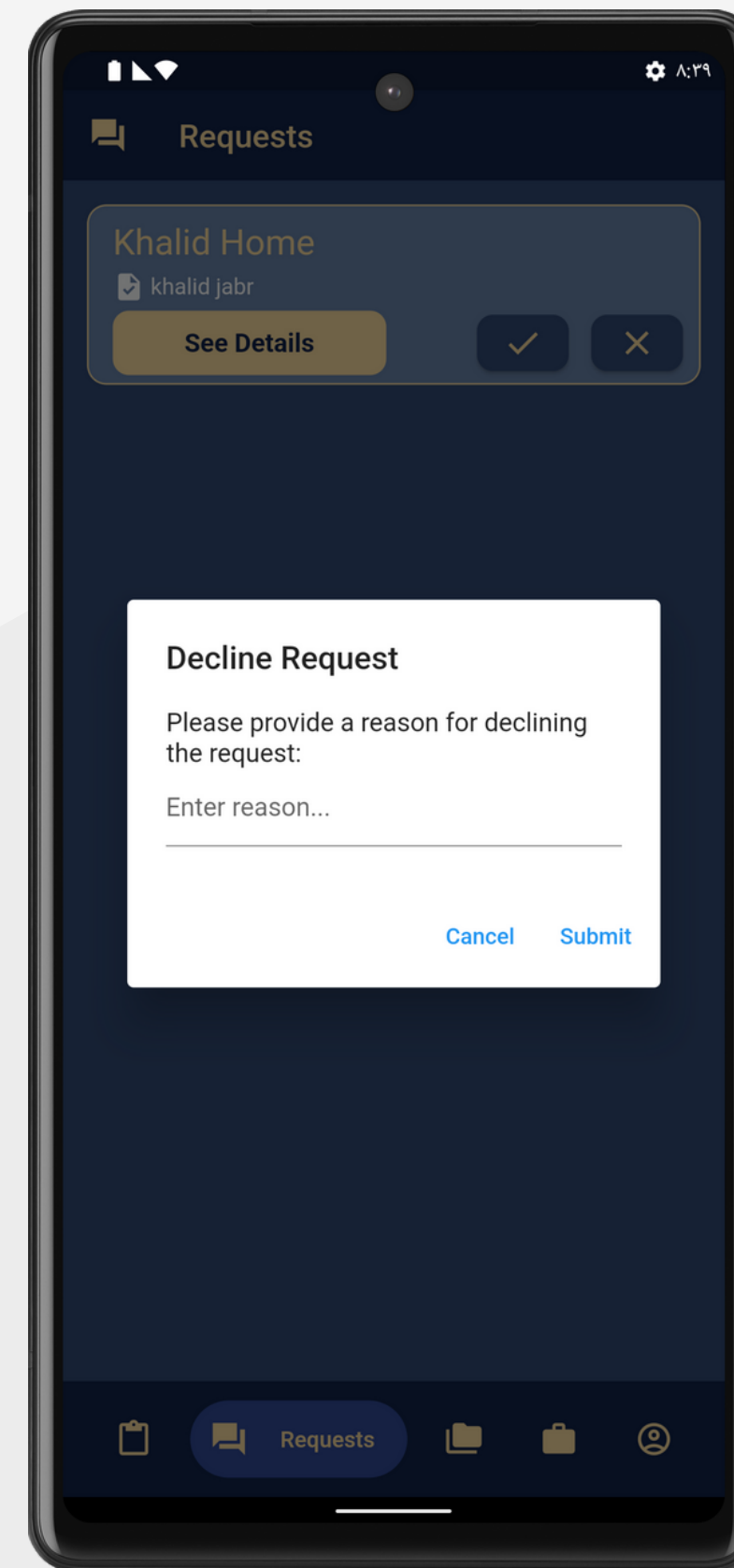
# APPLICATION OVERVIEW

Following **Service Provider** side of the app:

## 1) REQUESTS PAGE:

This Page will be responsible on:

- Navigating the requests sent by homeowner for the SP to hold.
- Moreover, he can see project details and the project owner details.



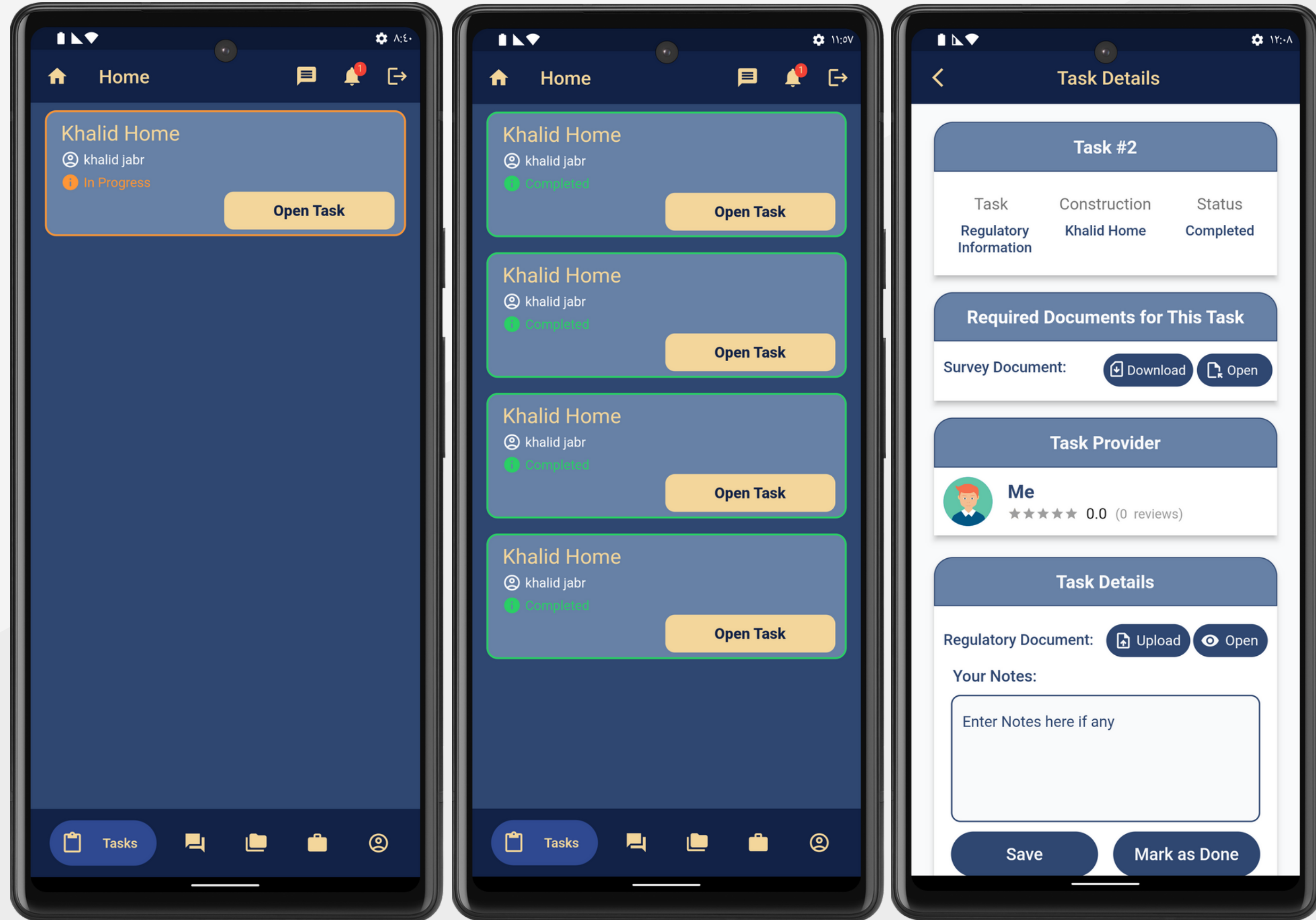
# APPLICATION OVERVIEW

Following **Service Provider** side of the app:

## 2) TASKS PAGE:

This Page will be responsible on:

- Navigating the assigned tasks to the SP.
- Interacting with the HO.
- Submit the required data.



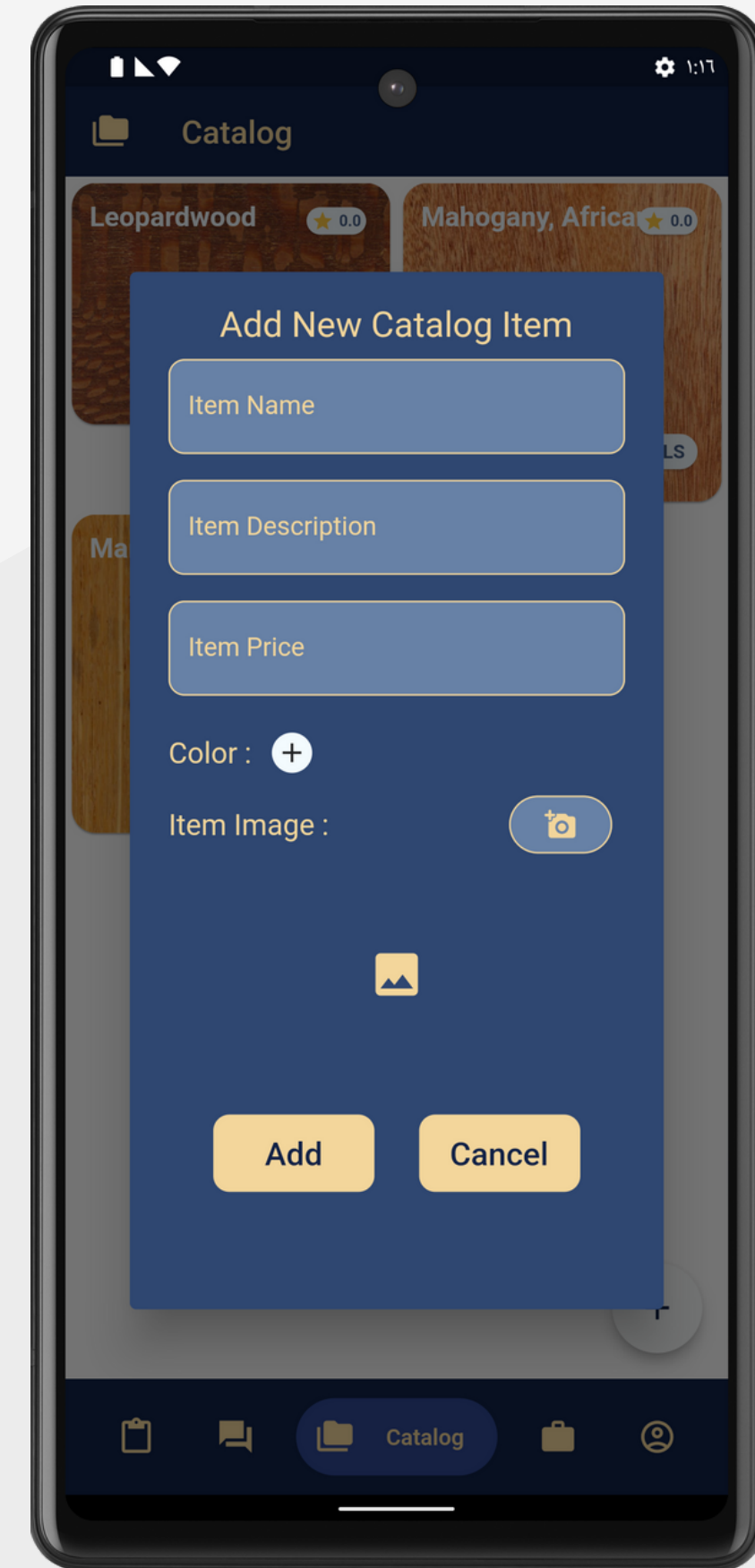
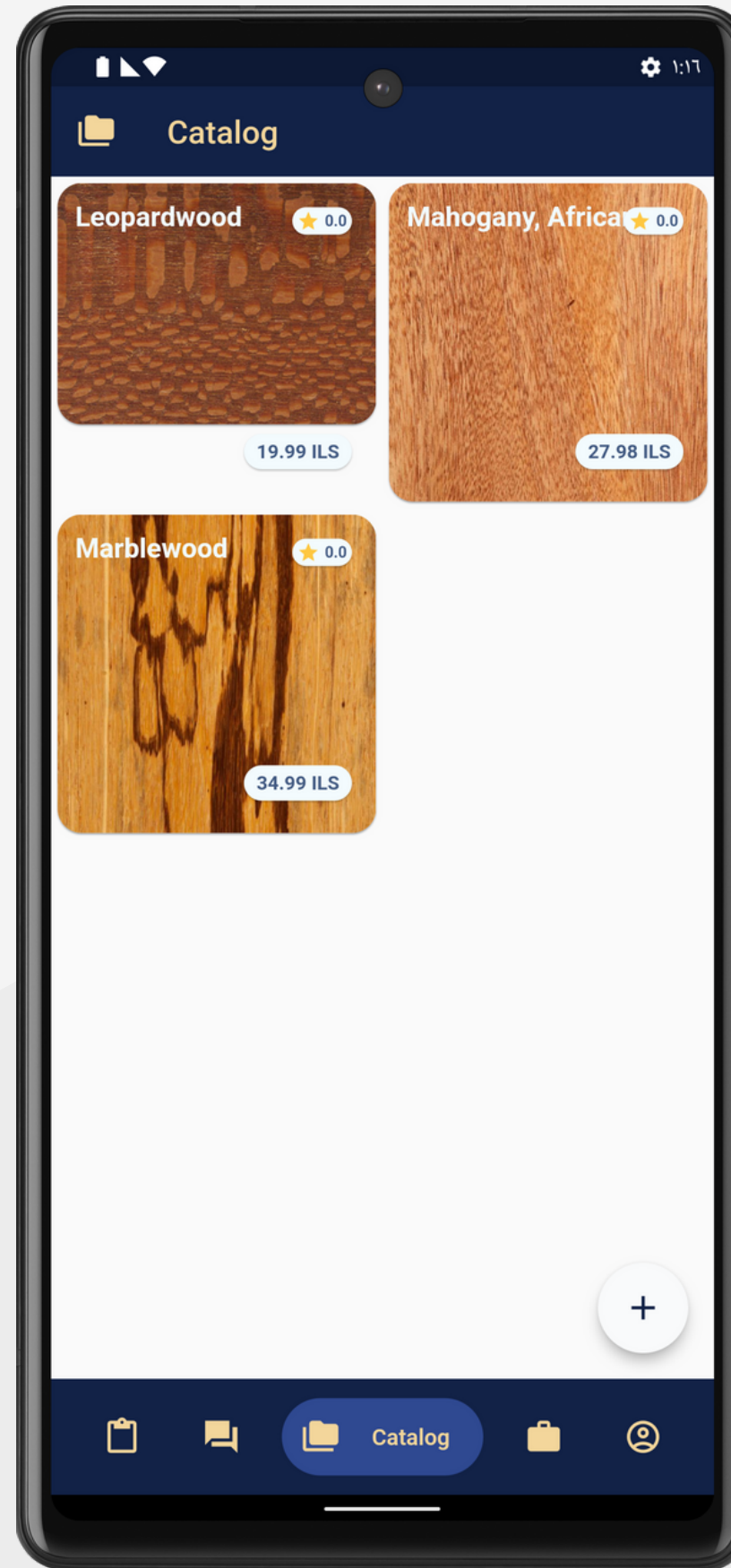
# APPLICATION OVERVIEW

Following **Service Provider** side of the app:

## 3) CATALOG PAGE:

This Page will be responsible on:

- Navigating the SP catalog Items.
- Adding New Items and modify those items.



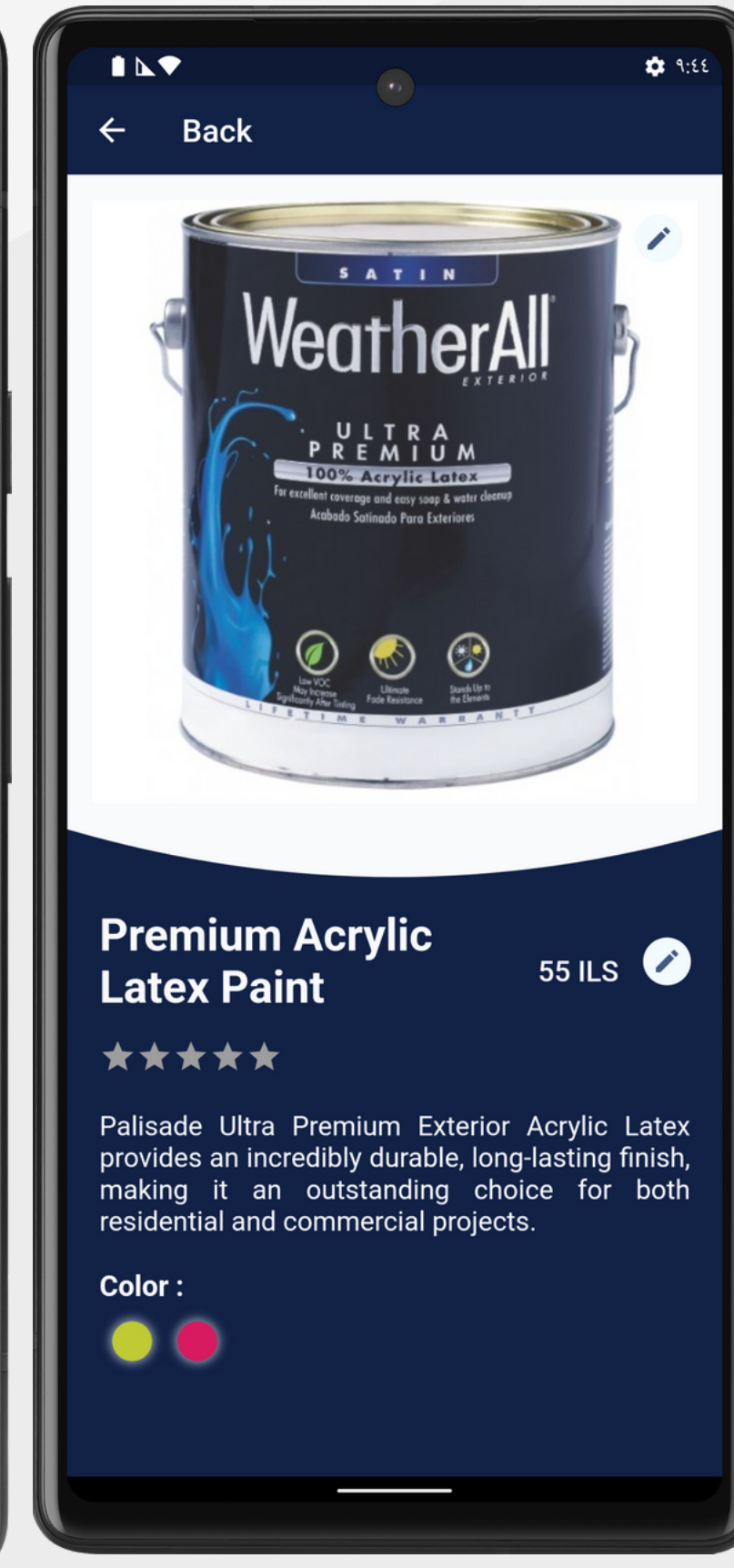
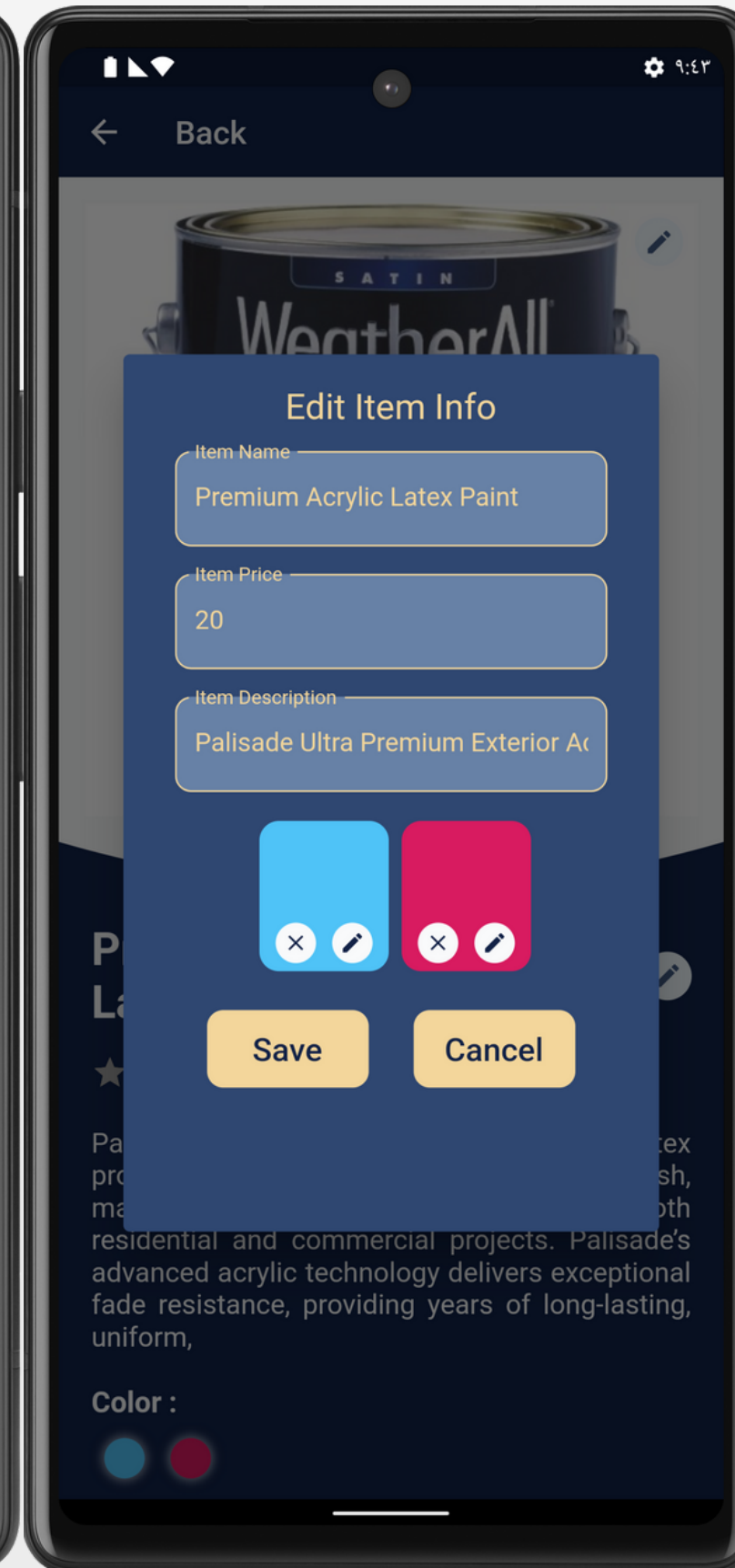
# APPLICATION OVERVIEW

Following **Service Provider** side of the app:

## 3) CATALOG ITEM PAGE:

This Page will be responsible on:

- Navigating the catalog Item including its information.
- Modifying its data and image.



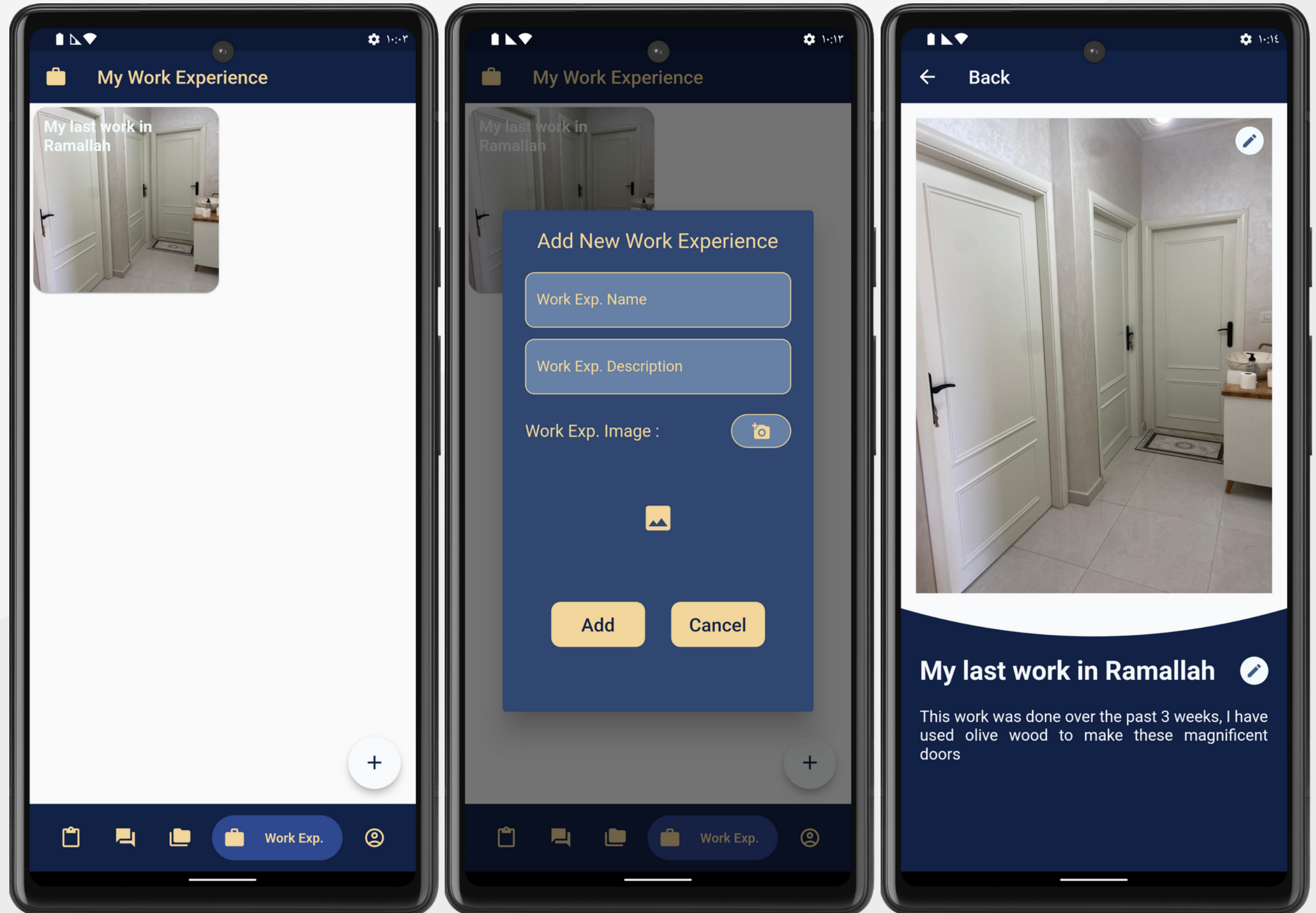
# APPLICATION OVERVIEW

Following **Service Provider** side of the app:

## 4) WORK EXP. PAGE:

This Page will be responsible on:

- Navigating the SP work exp.
- Adding New Items and modify those items.



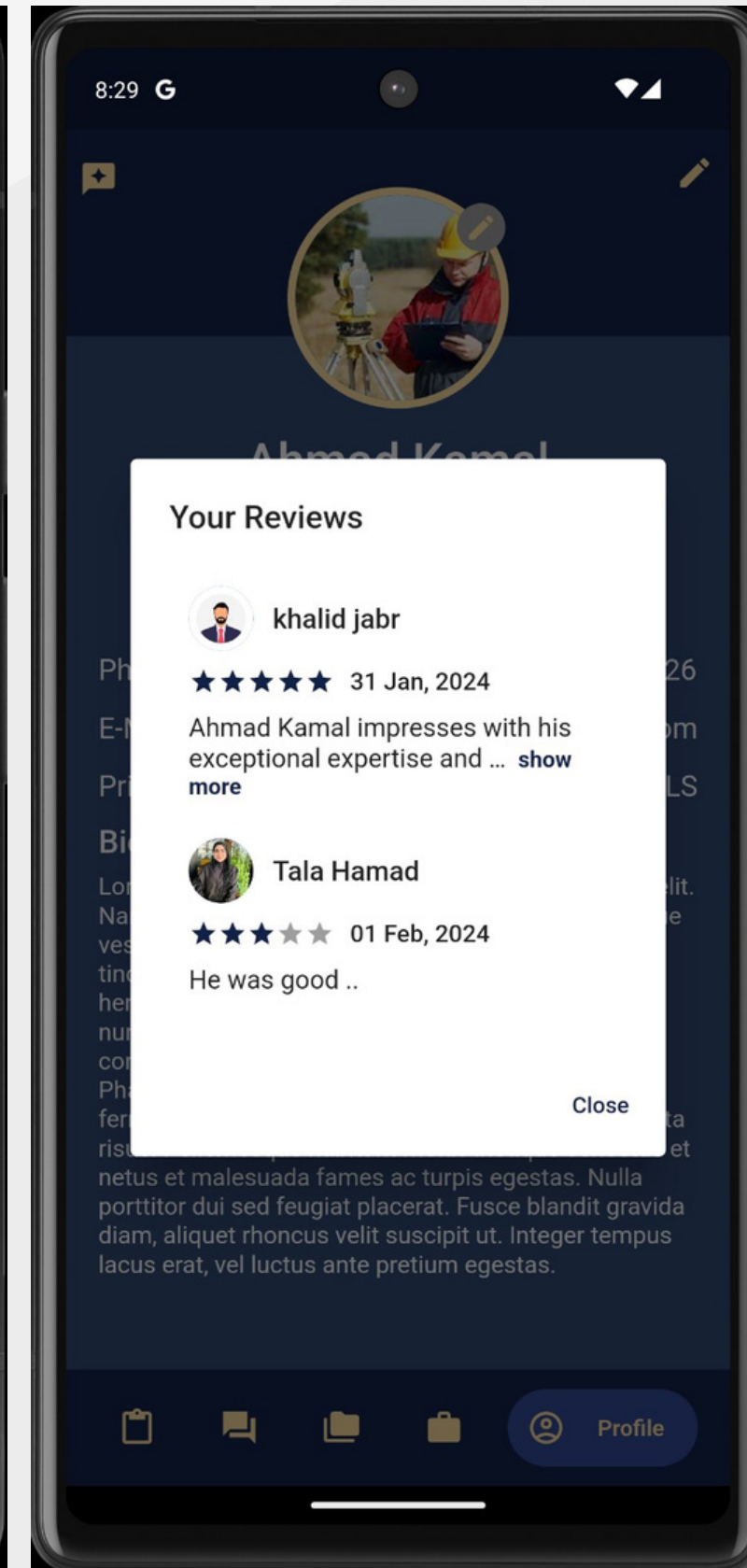
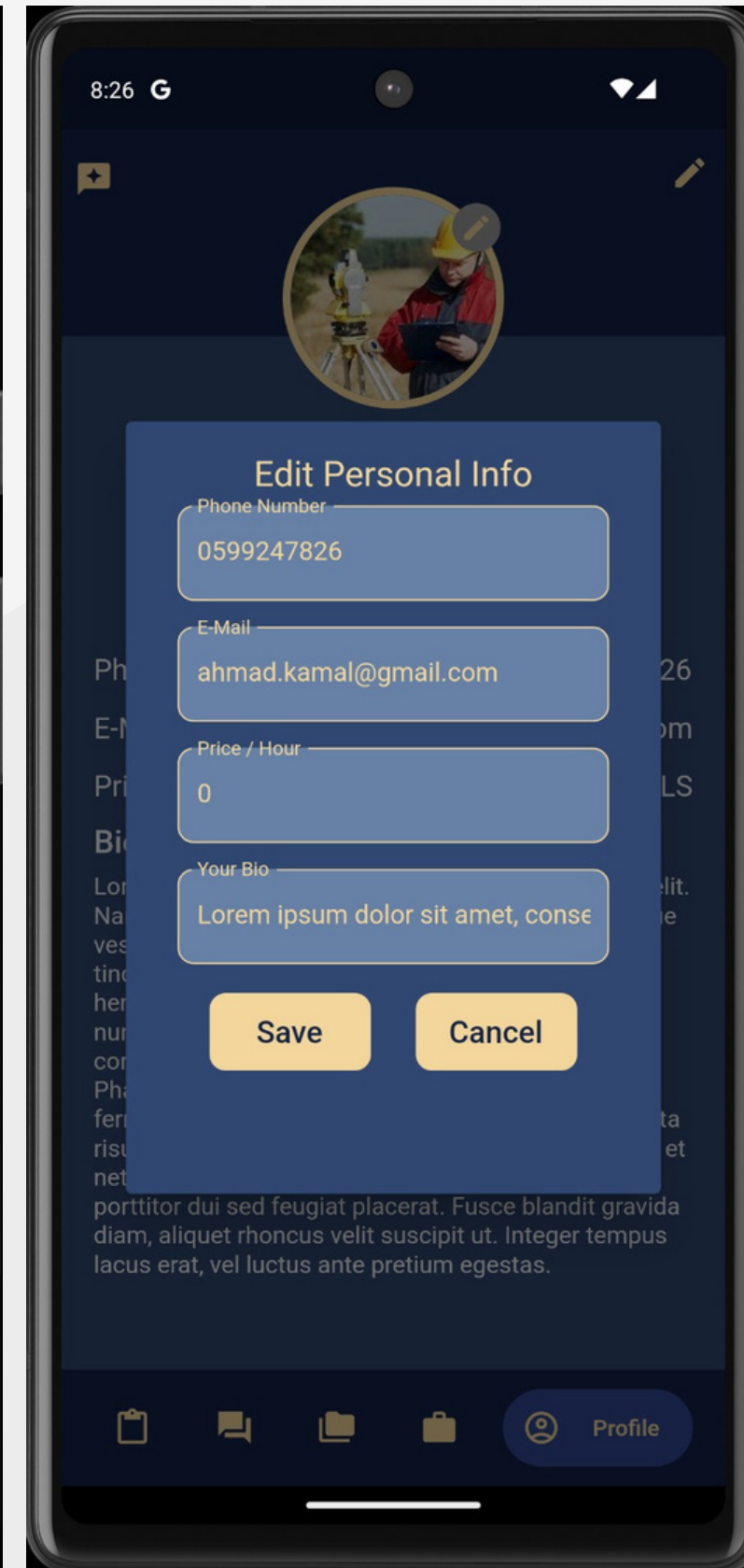
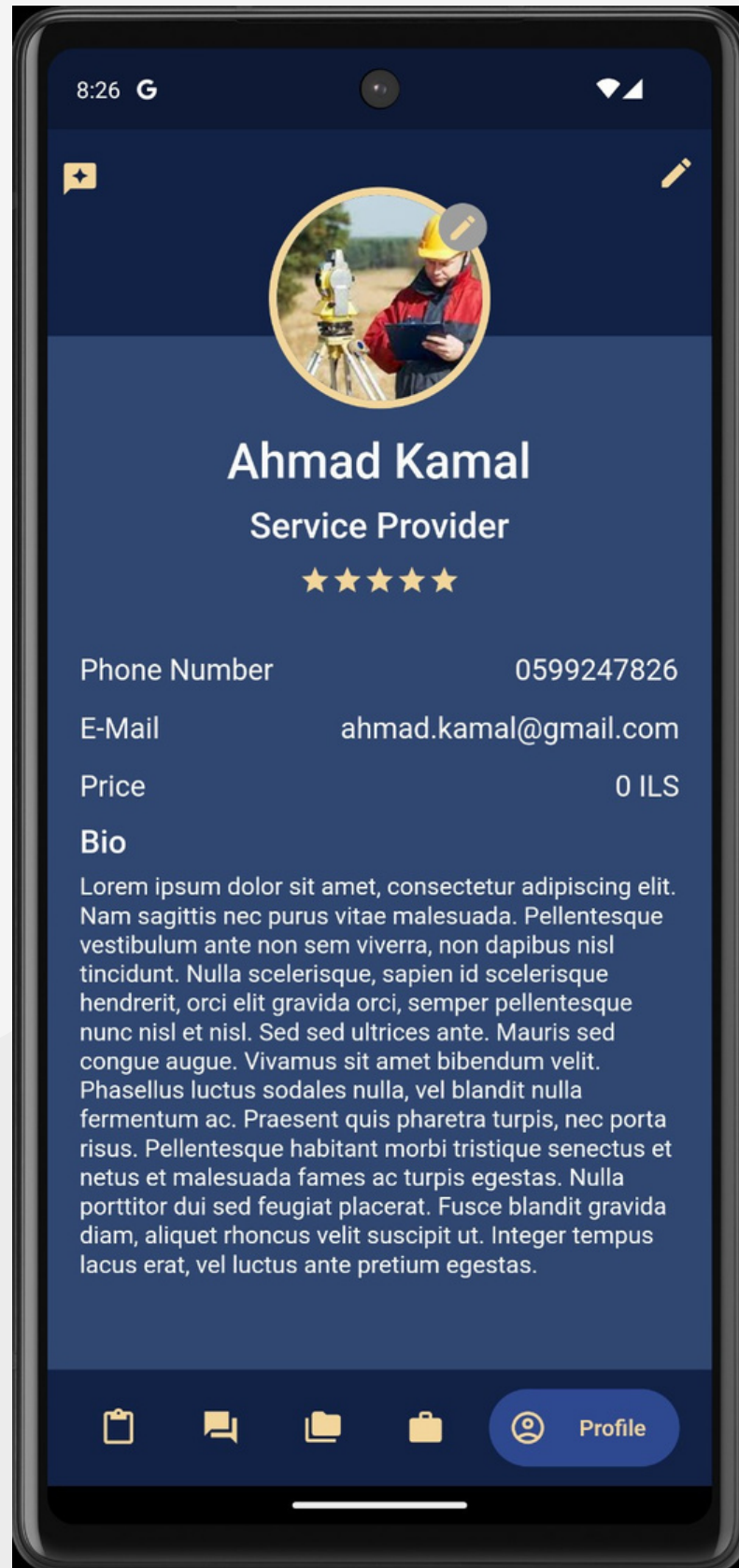
# APPLICATION OVERVIEW

Following **Service Provider** side of the app:

## 5) PROFILE PAGE:

This Page will be responsible on:

- Navigating the SP Information.
- Edit his own information.
- See the Reviews written by HO.

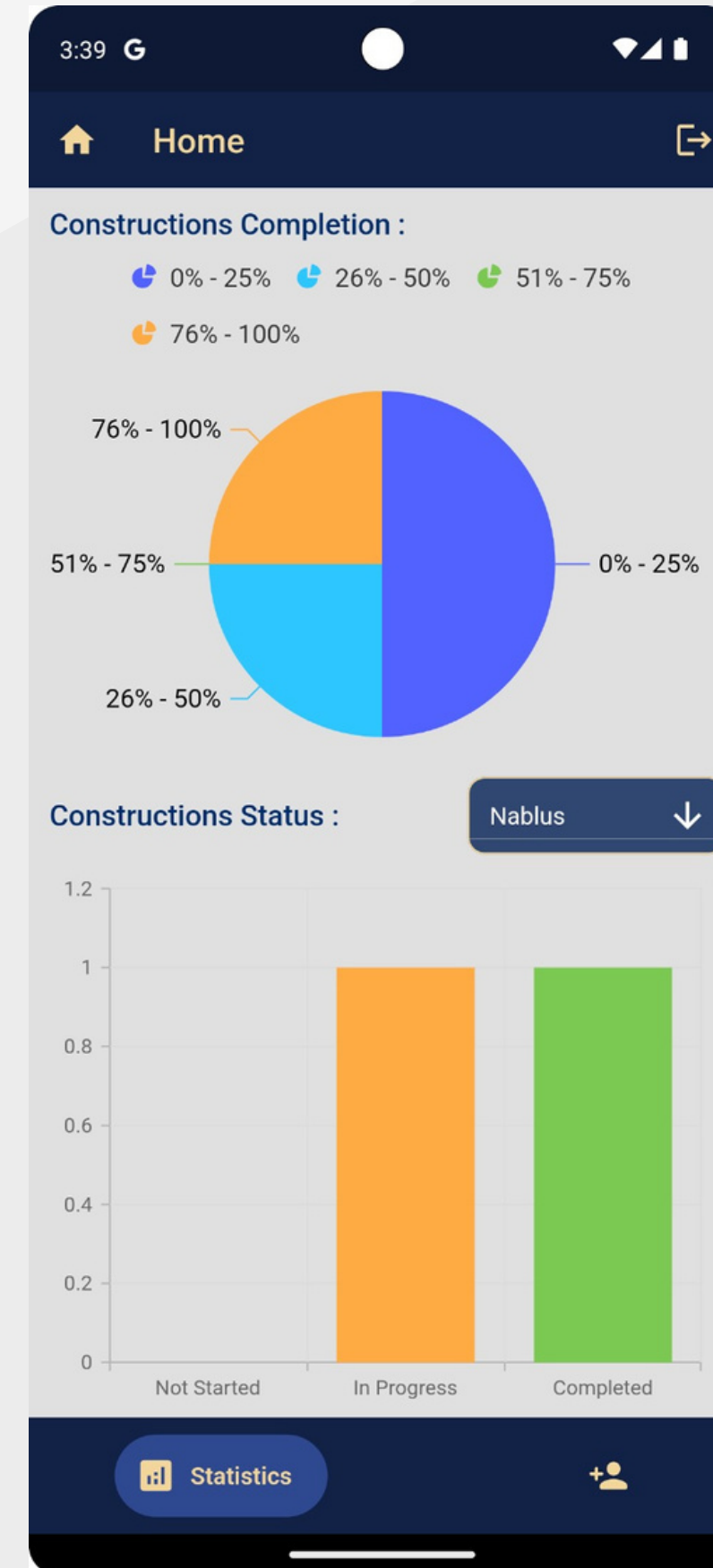
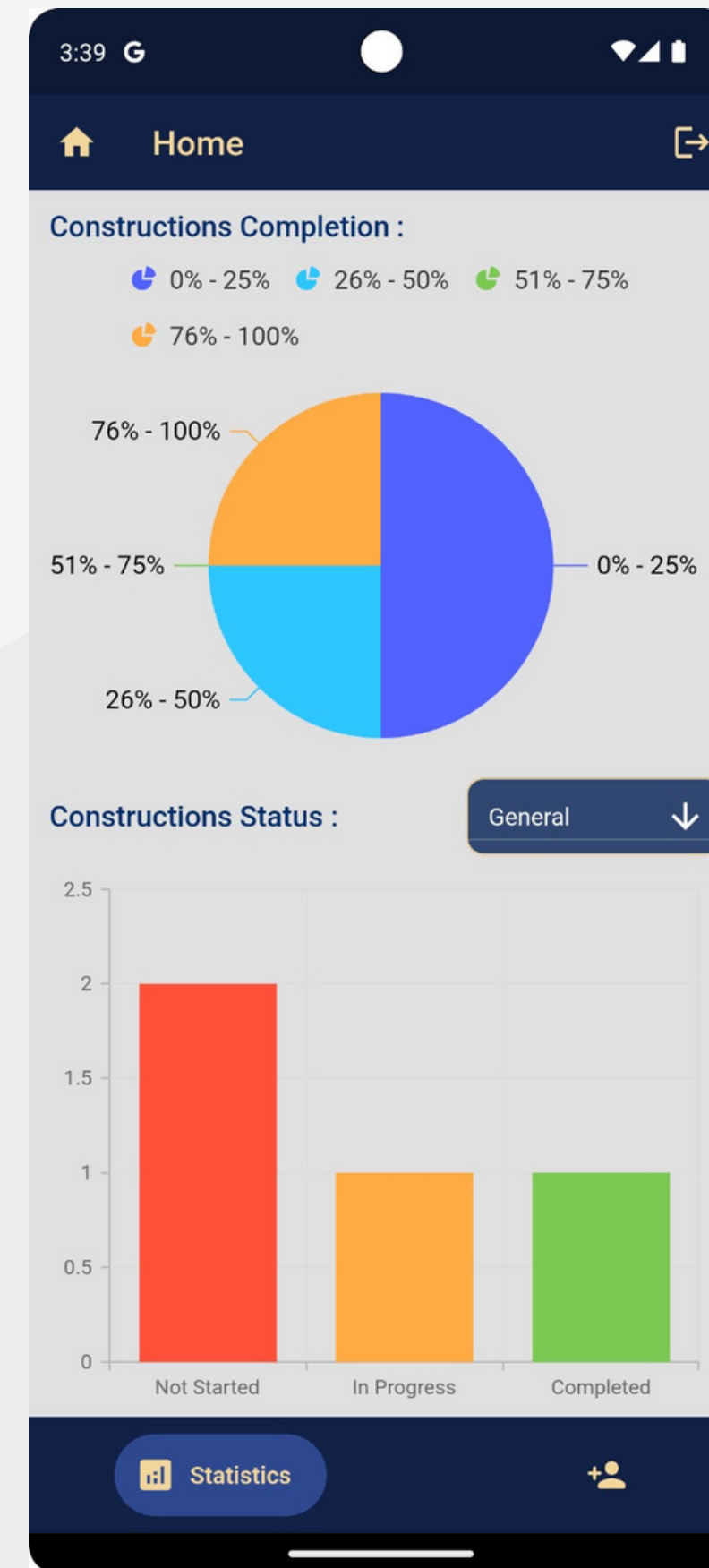
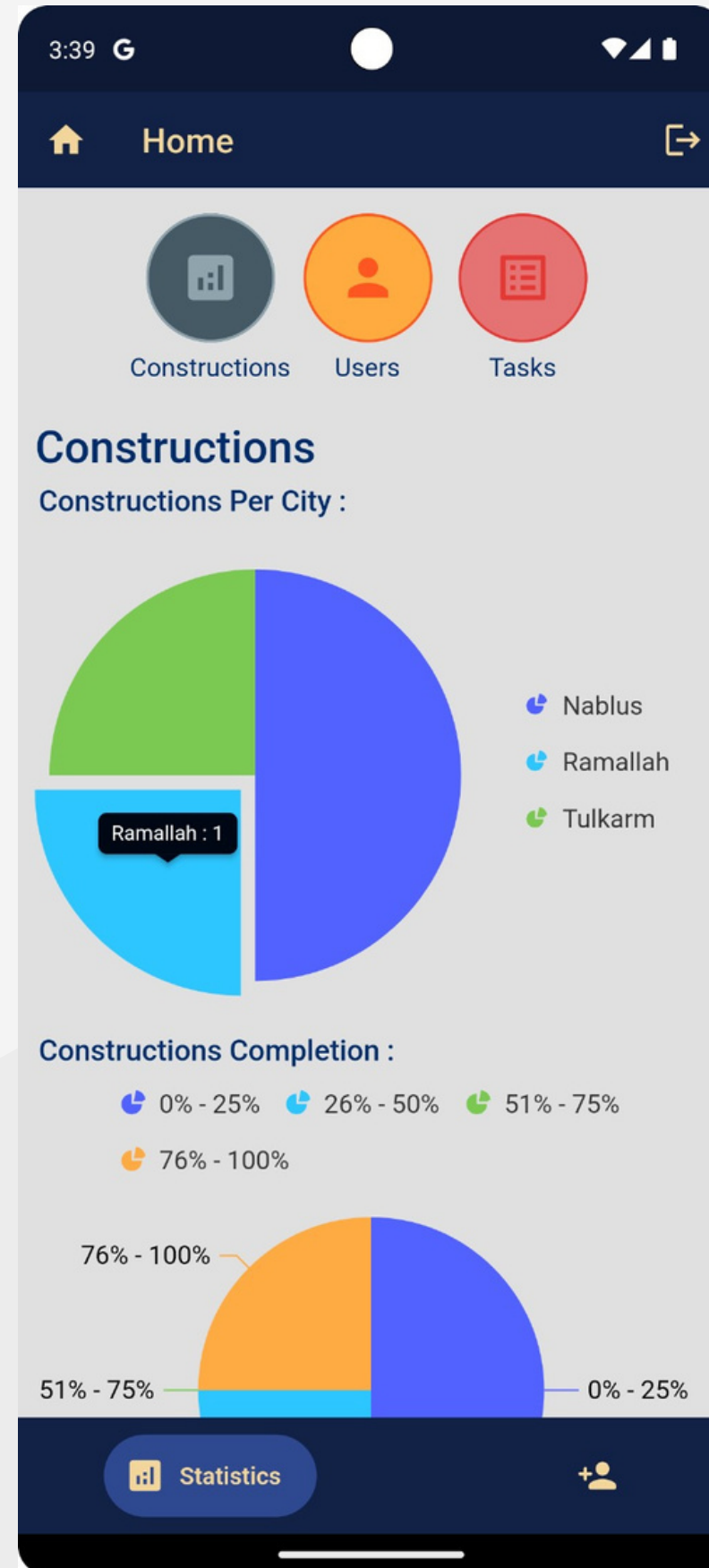


# APPLICATION OVERVIEW

Following **Admin** side of the app:

## 1) STATISTICS PAGE:

This Page will be responsible on navigating different stat. for different categories.

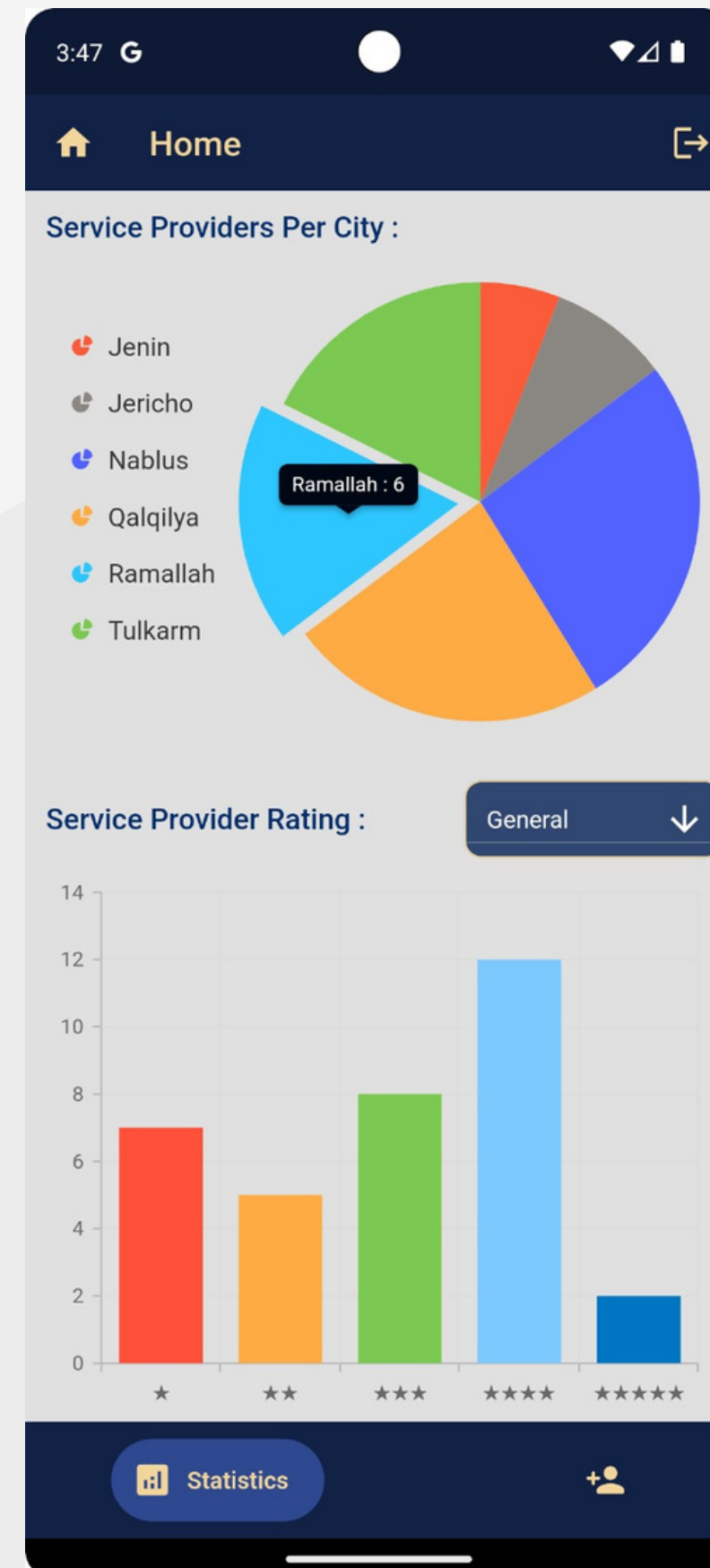
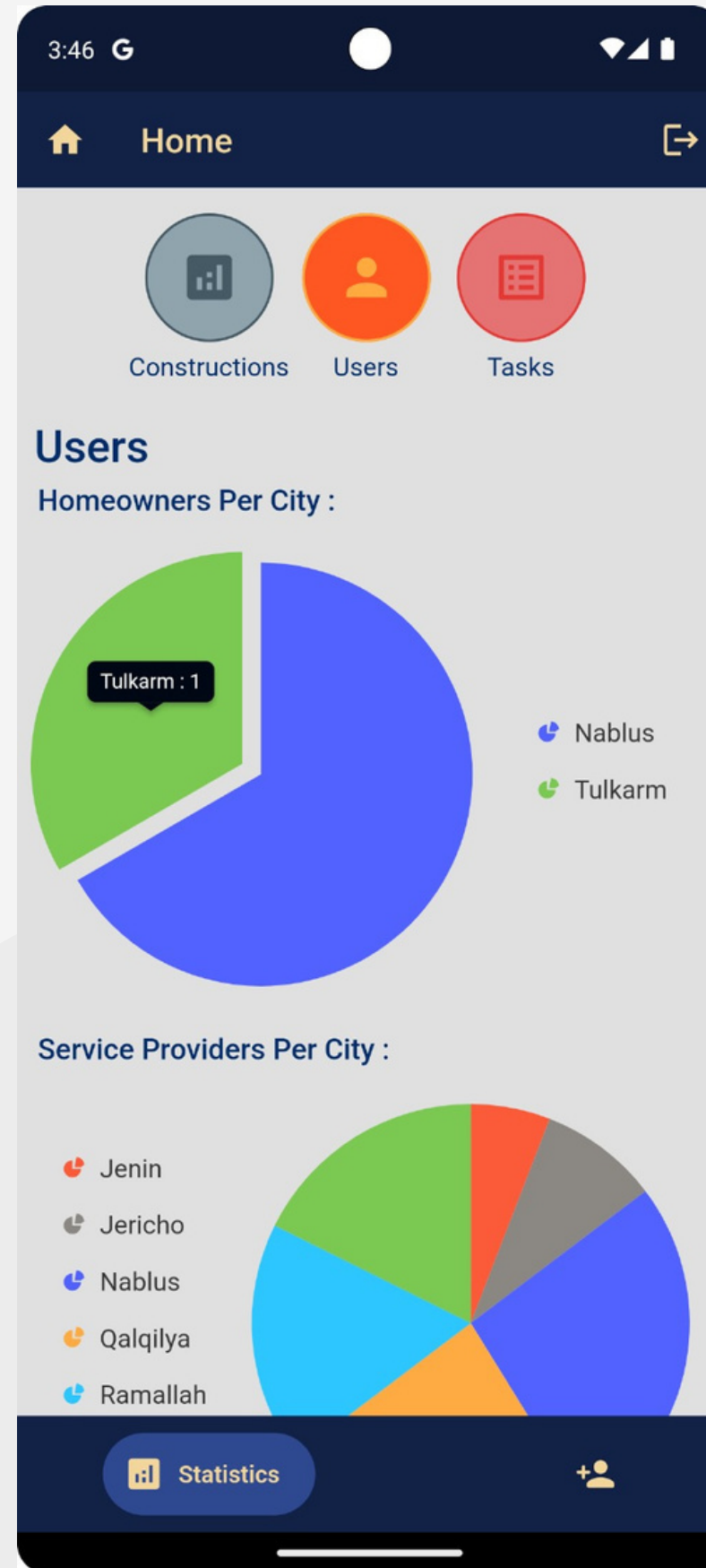


# APPLICATION OVERVIEW

Following **Admin** side of the app:

## 1) STATISTICS PAGE:

This Page will be responsible on navigating different stat. for different categories.

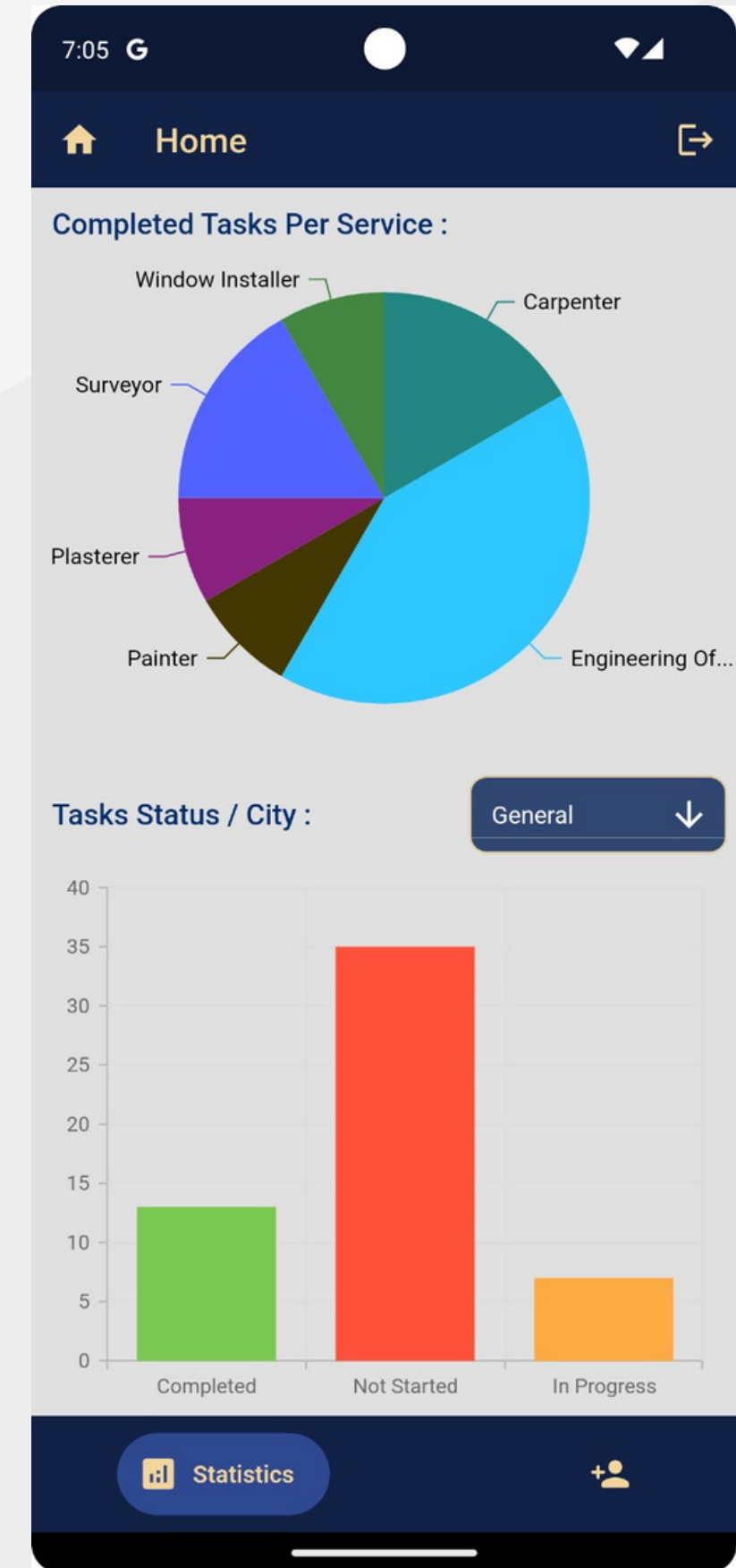
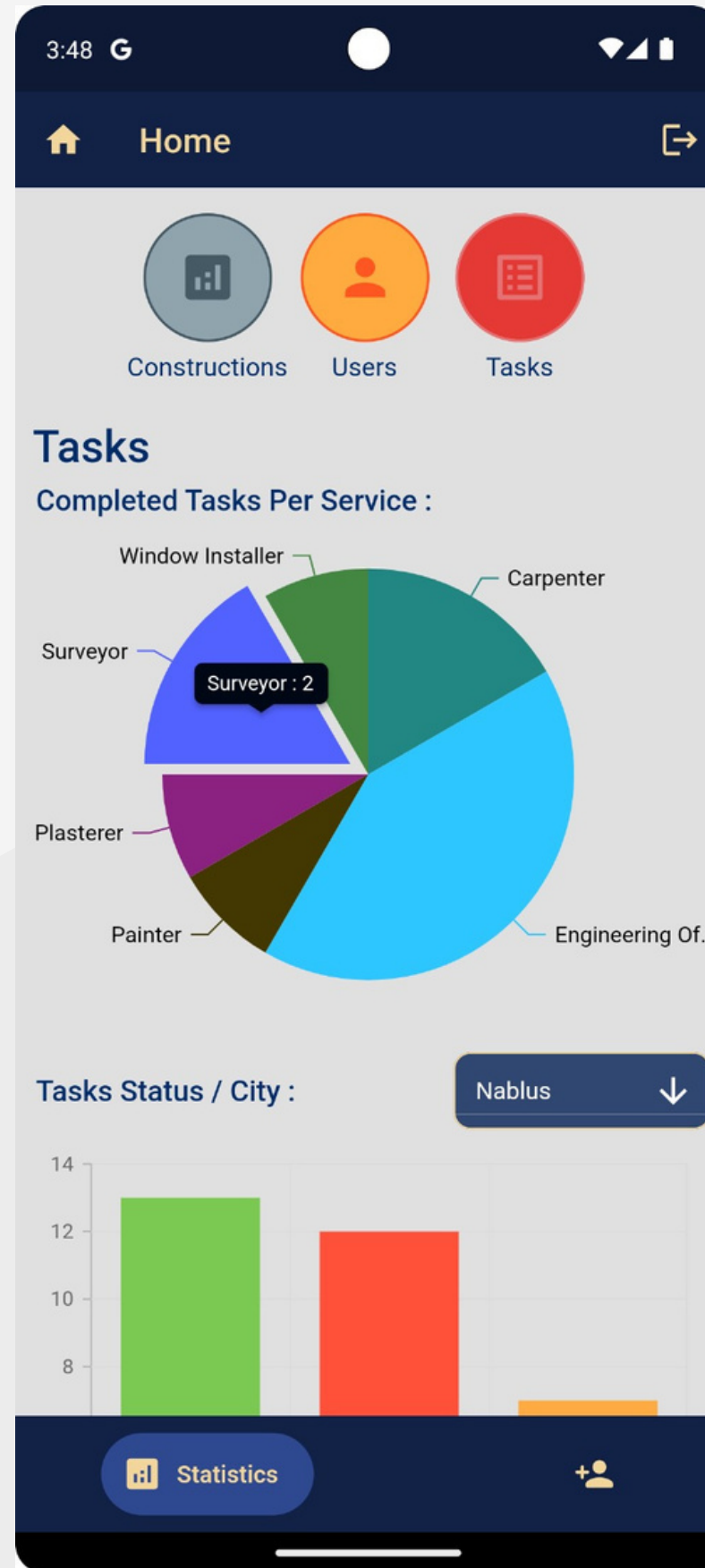


# APPLICATION OVERVIEW

Following **Admin** side of the app:

## 1) STATISTICS PAGE:

This Page will be responsible on navigating different stat. for different categories.



# APPLICATION OVERVIEW

Following **Admin** side of the app:

## 1) ADD MATERIAL PROVIDER PAGE:

This Page will be responsible on adding a new MP to the system as following:

+

 Add Material Provider

Enter the following fields :

Pick Picture

Company Name: Enter here..

Social Link : Enter here..

Phone Number : Enter here..

Service Type : Select Service Type

City : Select City

Add Material Provider

+

 Add

+

 Add Material Provider

Enter the following fields :

Pick Picture

Company Name: Abu Samer For Building Material

Social Link : profile.php?id=100067008787296

Phone Number : 0599999999

Service Type : Constructor

City : Nablus

Add Material Provider

+

 Add

+

 Material Providers

Abu-Samer for Building Material - Nablus

0599999999

https://www.facebook.com/profile.php?id=1000670...

Add Material Provider

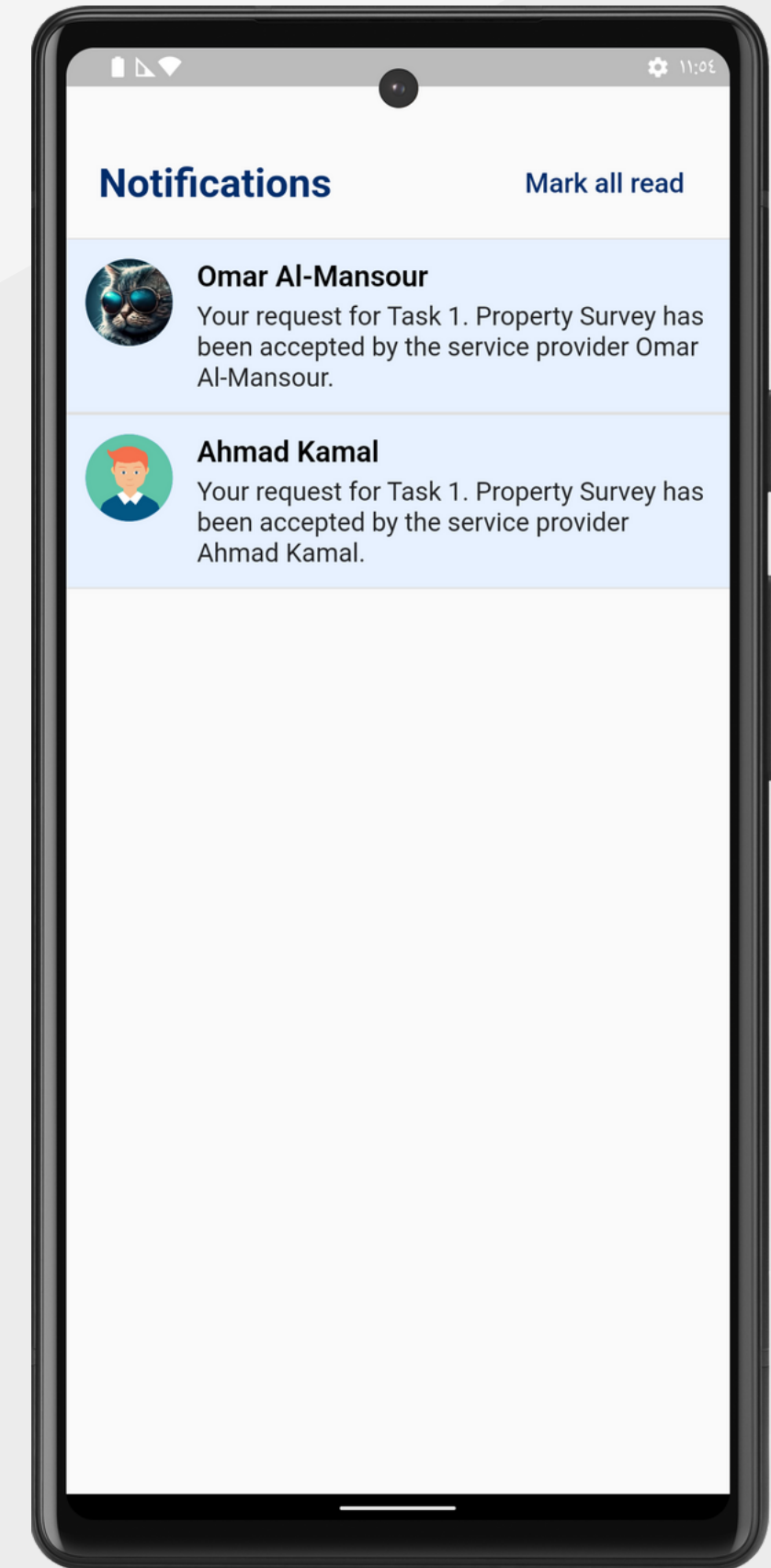
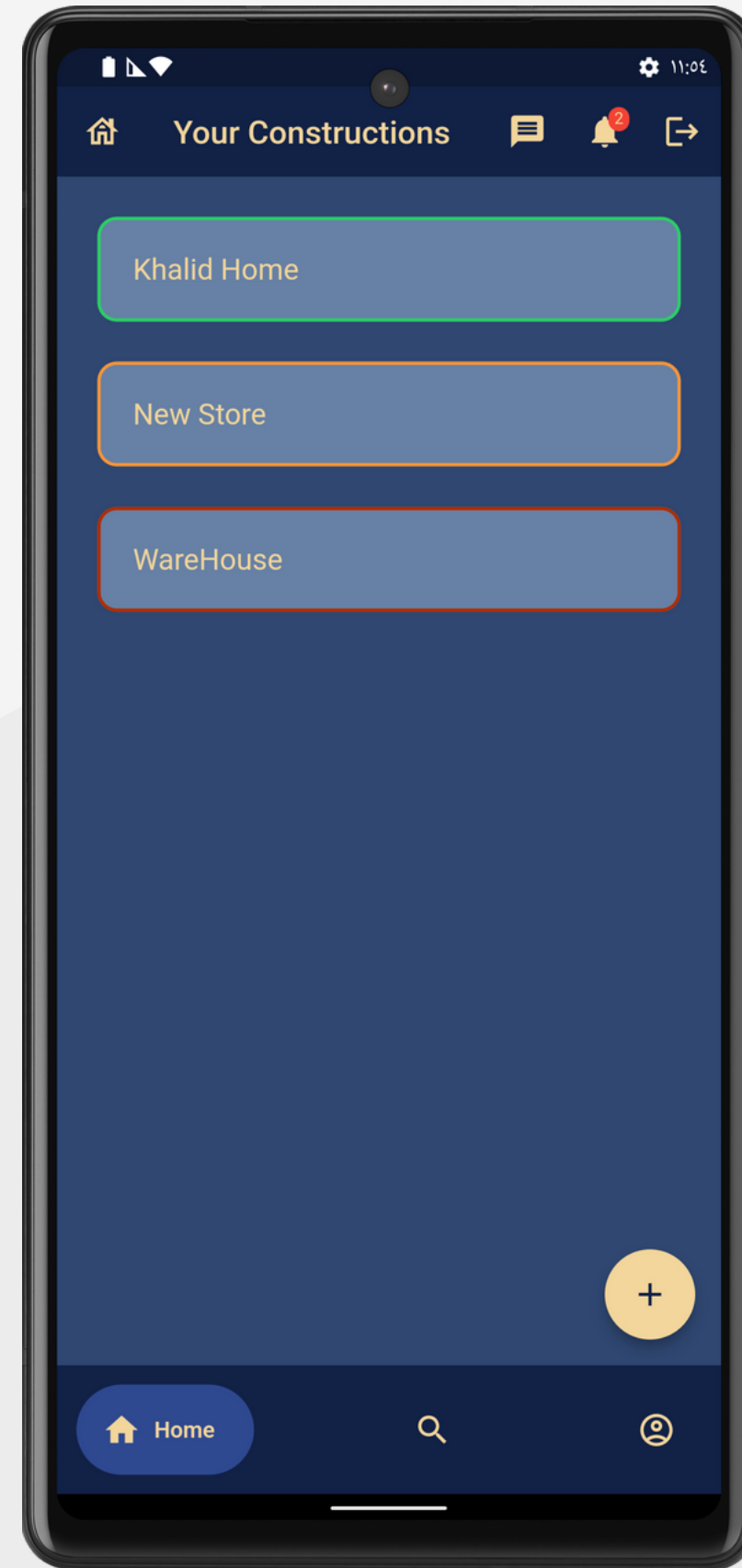
+

 Add

# APPLICATION OVERVIEW

## Following **Notification System:**

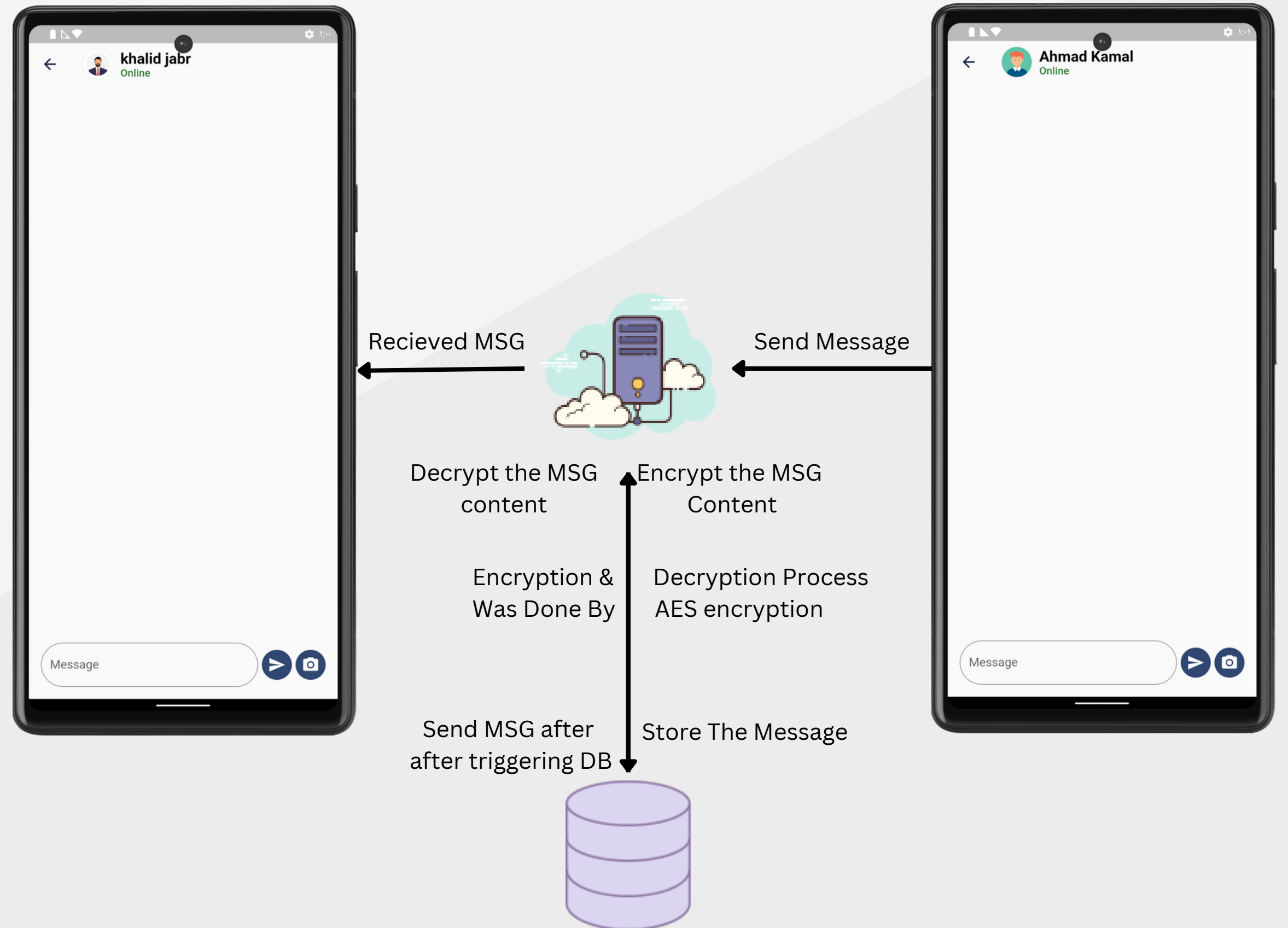
- Receiving messages
- SP receiving request from the homeowner to handle a task.
- SP receiving notification when HO add review or update it.
- HO receiving accept or decline request assign by SP.
- HO receiving notification when the task is done (mark as done by the SP).



# APPLICATION OVERVIEW

## Following Messaging System:

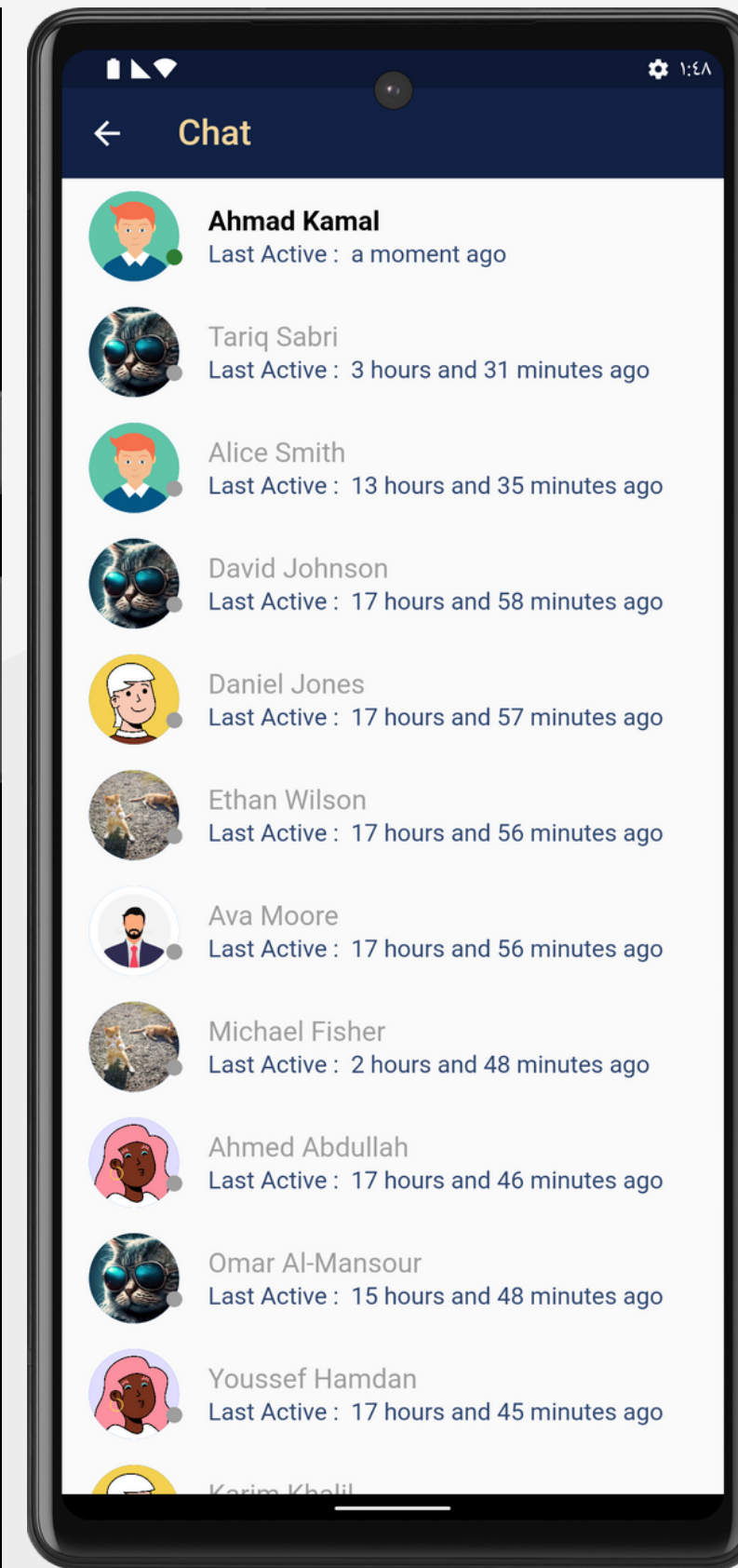
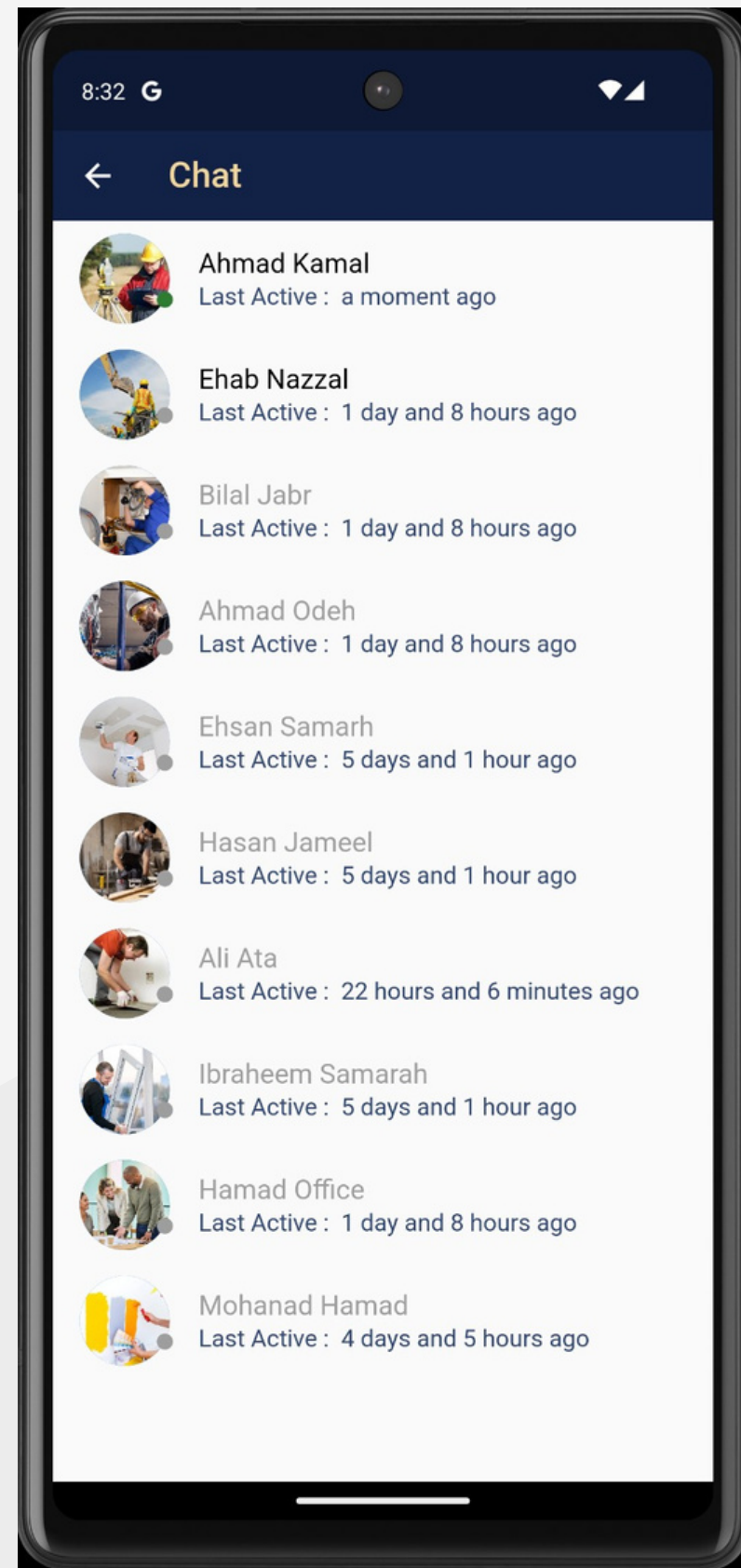
- Messaging system was built locally.
- Whenever the DB receives a new message, it will trigger the system by sending the received the message directly to the receiver.



# APPLICATION OVERVIEW

## Following **Messaging System:**

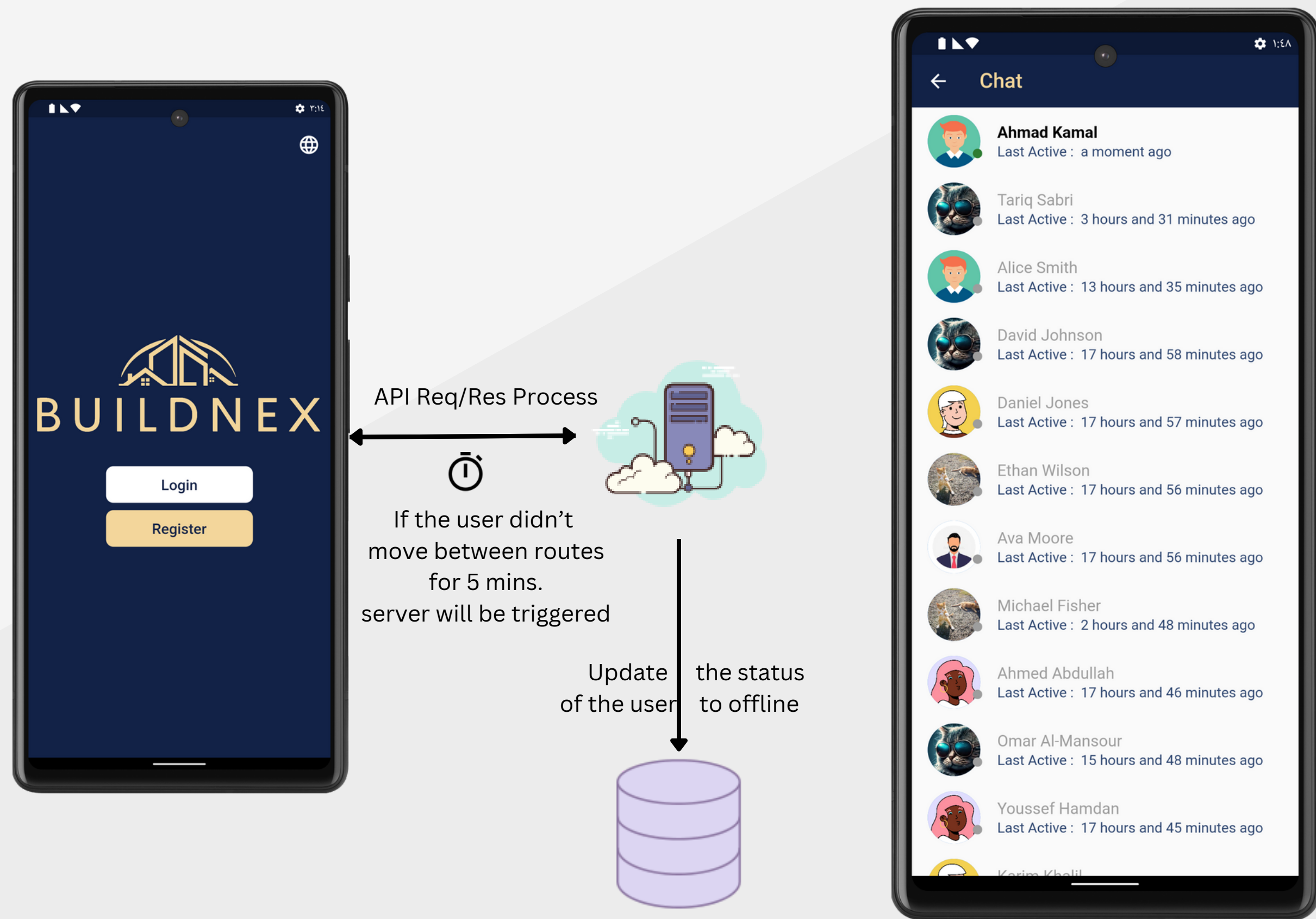
- Messaging system was built locally.
- Whenever the DB receives a new message, it will trigger the system by sending the received the message directly to the receiver.



# APPLICATION OVERVIEW

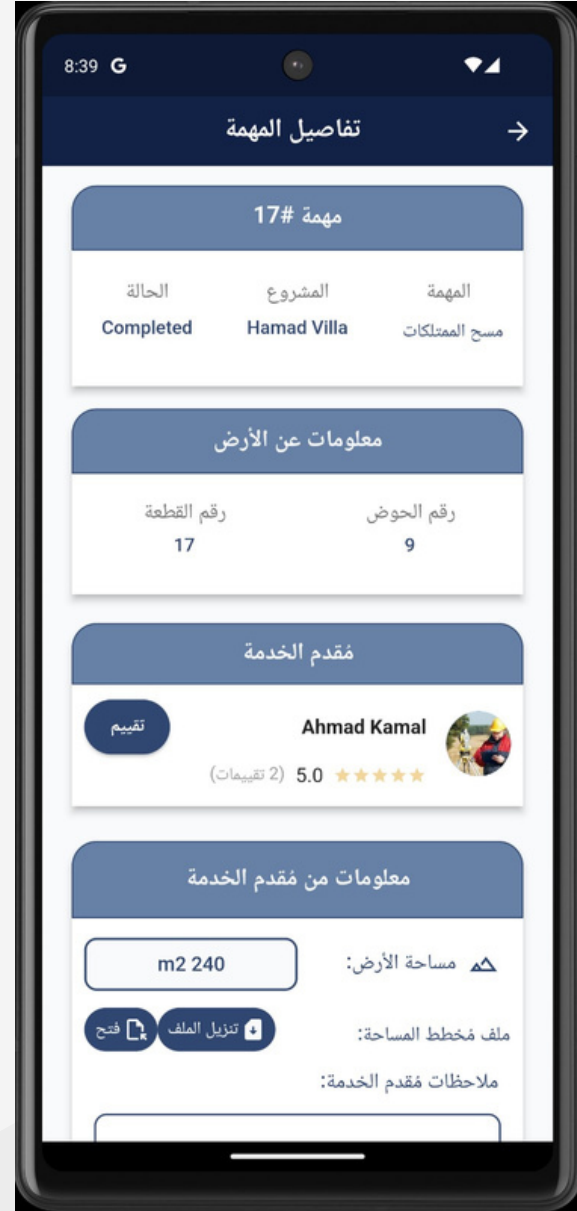
Following how **Online Users'** functionality was done:

This was done by depending on the user current status in the system as following:



# APPLICATION OVERVIEW

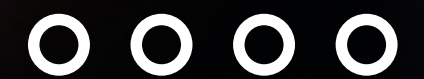
Moreover, our application is bilingual (supports Arabic & English).





# ***FUTURE PLANS***

- Integration with International and Local Authorities
- Integrated Financial Management.
- Expansion into Advertising and Financial Profitability.
- Make project tasks progress more flexible.





# THANK YOU

Any Questions ??

