Third Increment

Introduction:

At times, people migrate to new locations and face difficulties to find people who can fix their household repairs, especially in the initial stages. They can be a plumber, an electrician, a carpenter etc. This problem is the motivation factor for us to build this new application. The primary goal of this application is to provide a one stop solution by finding the right person for corresponding problem, at nearby place, which can help to get their job done at times, people migrate to new locations and face difficulties to find people who can fix their household repairs, especially in the initial stages. They can be a plumber, an electrician, a carpenter etc. This problem is the motivation factor for us to build this new application. The primary goal of this application is to provide a one stop solution by finding the right person for corresponding problem, at nearby place, which can help to get their job done.

Objective:

The main objective of this application is to provide the details of the technicians nearby them, who can resolve the problem and give an opportunity of choosing the technician based on his experience and rating. This helps the user to overcome the difficulties in searching different people from various locations through number of contacts and reviews. User can select the type of problem to know the estimated cost of the repair. This application also provides an opportunity to the technicians to register themselves by creating a profile about their work and experience.

Features:

- User Registration
- User Login
- Provides an option to Select Location
- Select Technician
    - Plumber
    - Carpenter
    - Electrician
    - Painter
    - Mechanic
- Flexibility of providing unlisted subcategory of the problem
- Cost Estimation
- User can provide Feedback
- Technician Registration
- User Logout

Existing APIS:

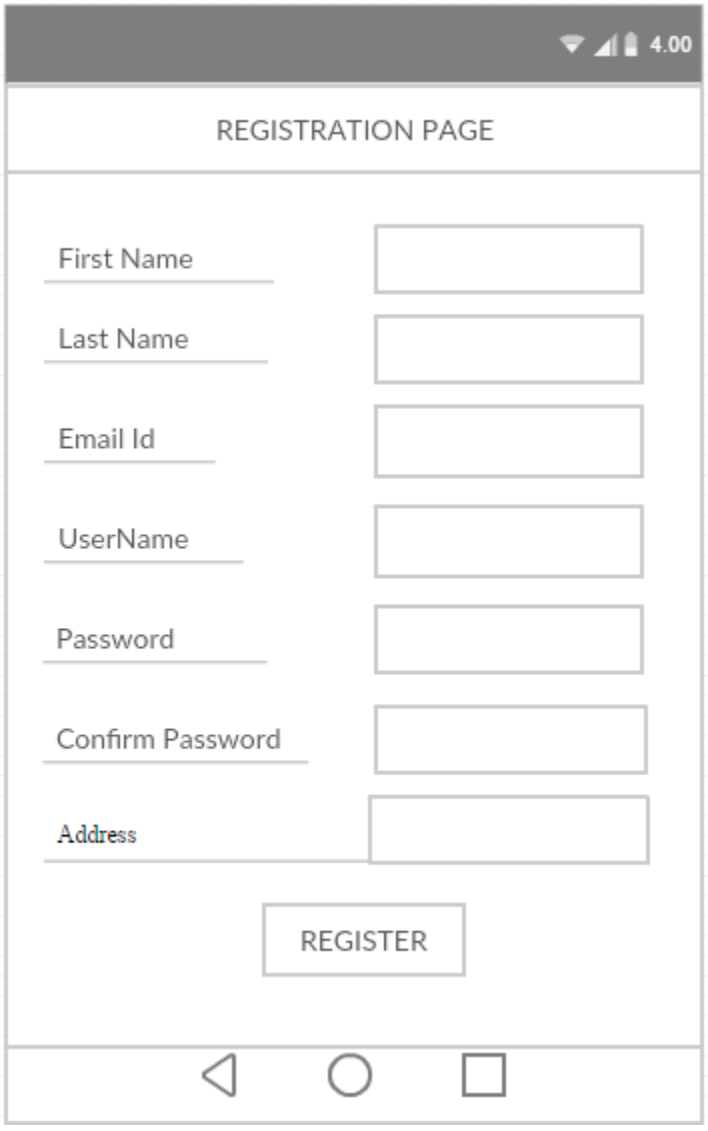
We are using Google API to get the current address of the user and display it on the home page regardless of whether the user is logged in or not.

Detailed Design:

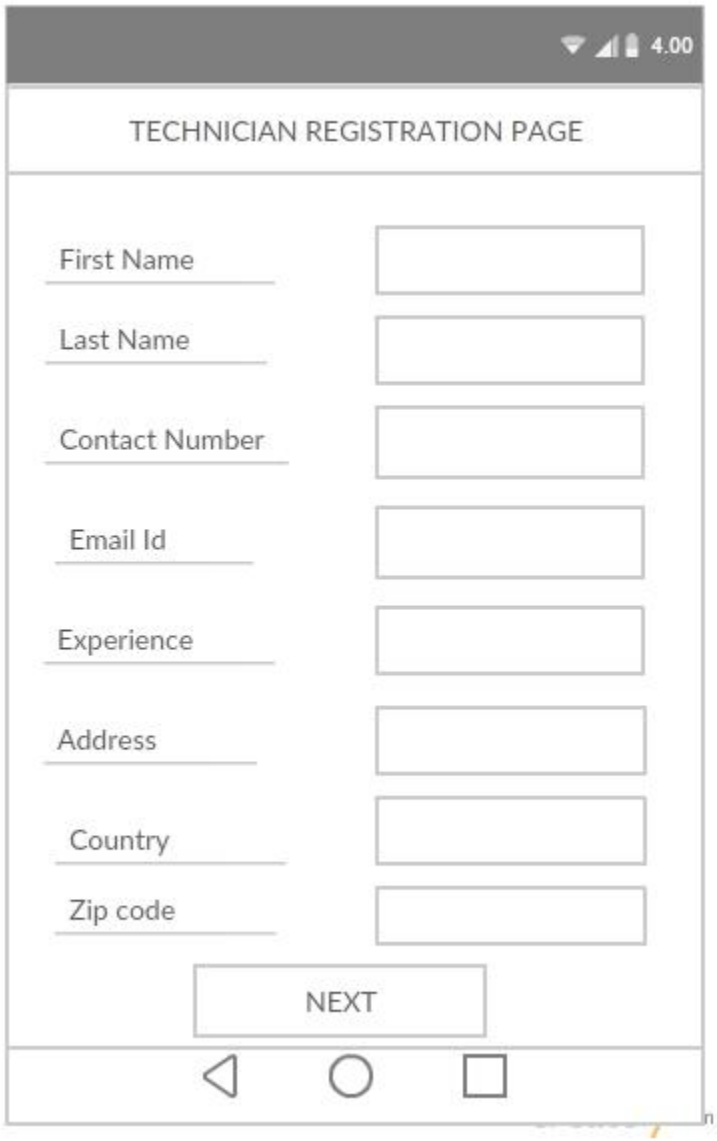
- **Wire Frames:**

  User Login Page:

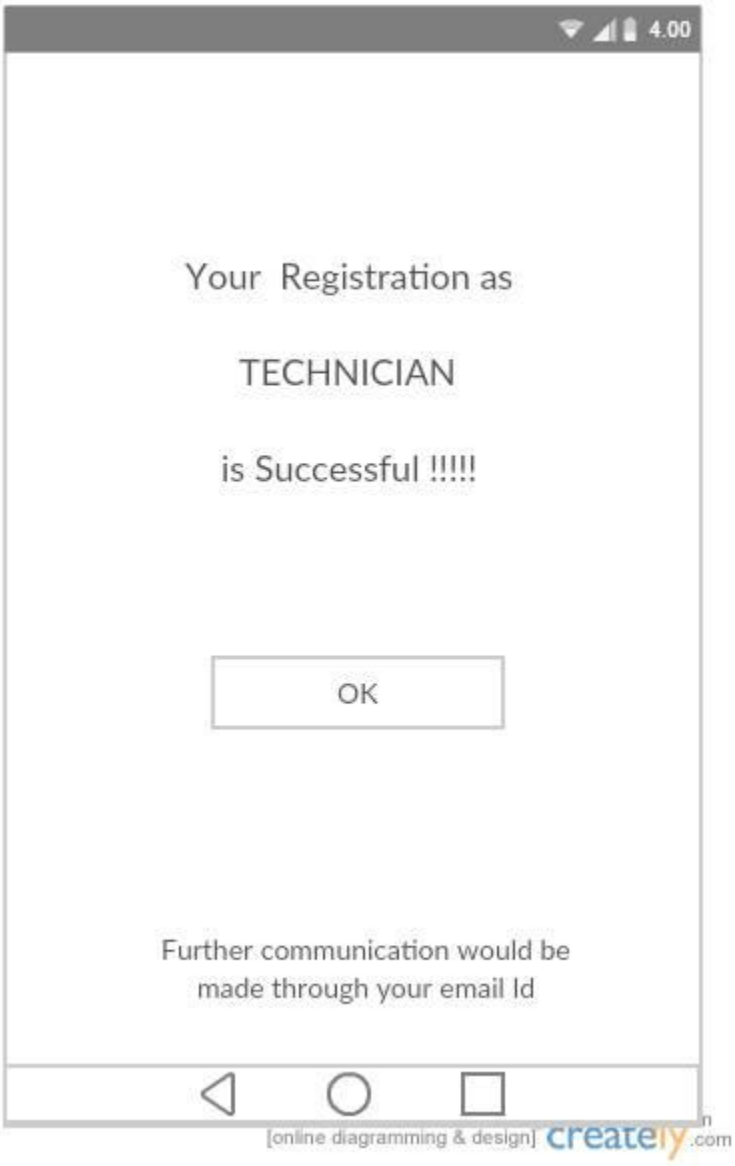
User Registration:



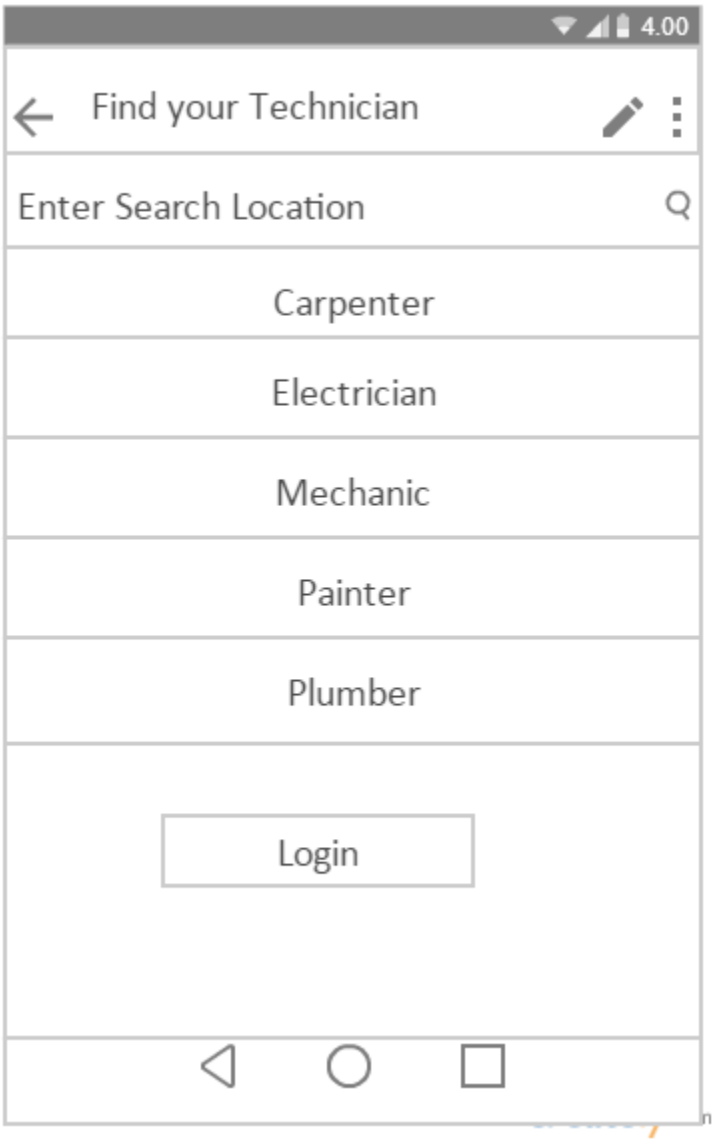
Technician Registration:



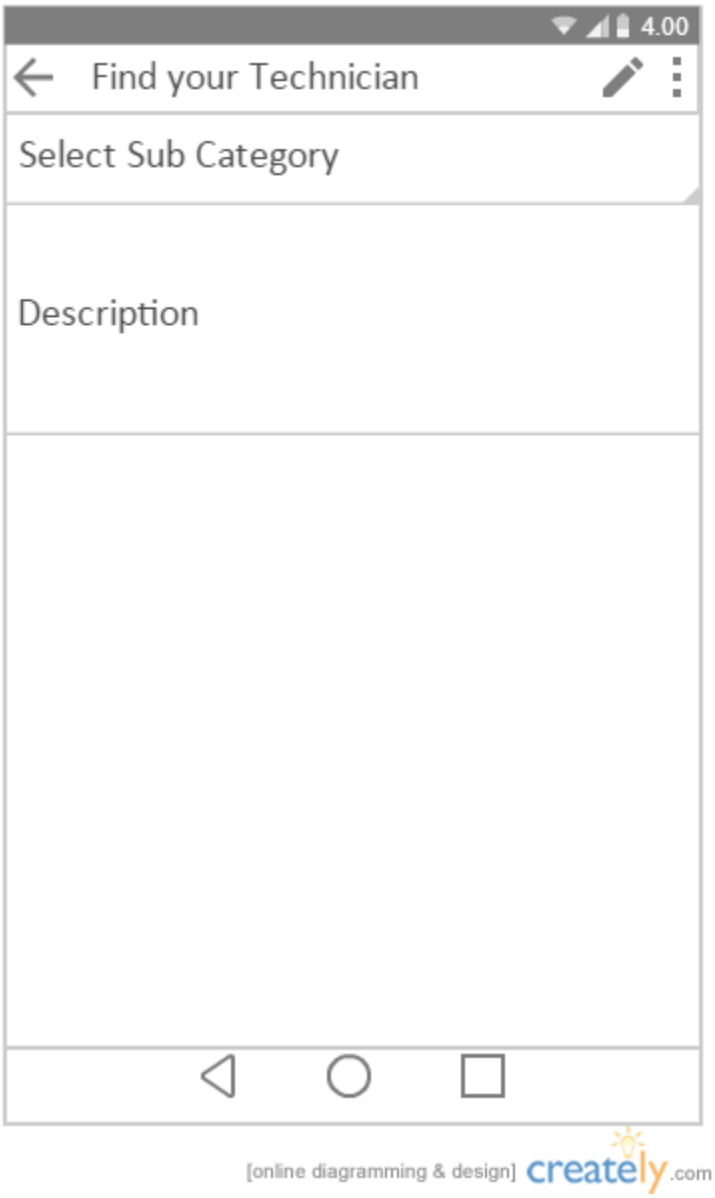
Technician Registration Completion:



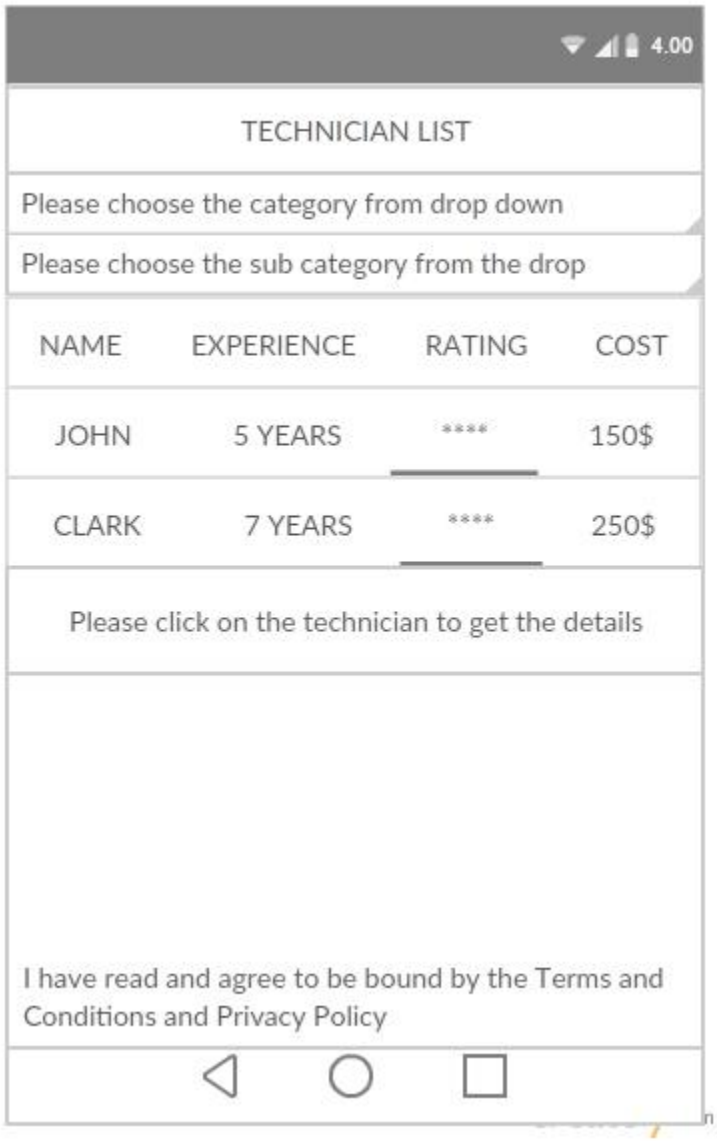
Home Page:


4.00
Find your Technician
Enter Search Location
Carpenter
Electrician
Mechanic
Painter
Plumber
Login

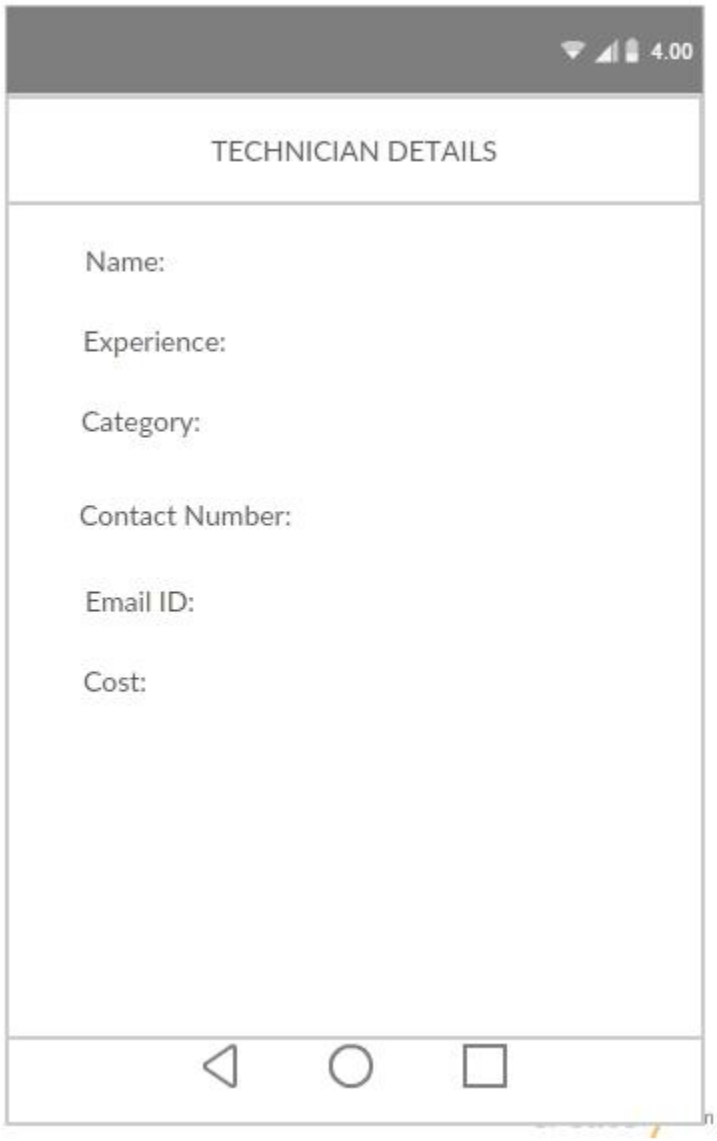
Sub Category and Description:



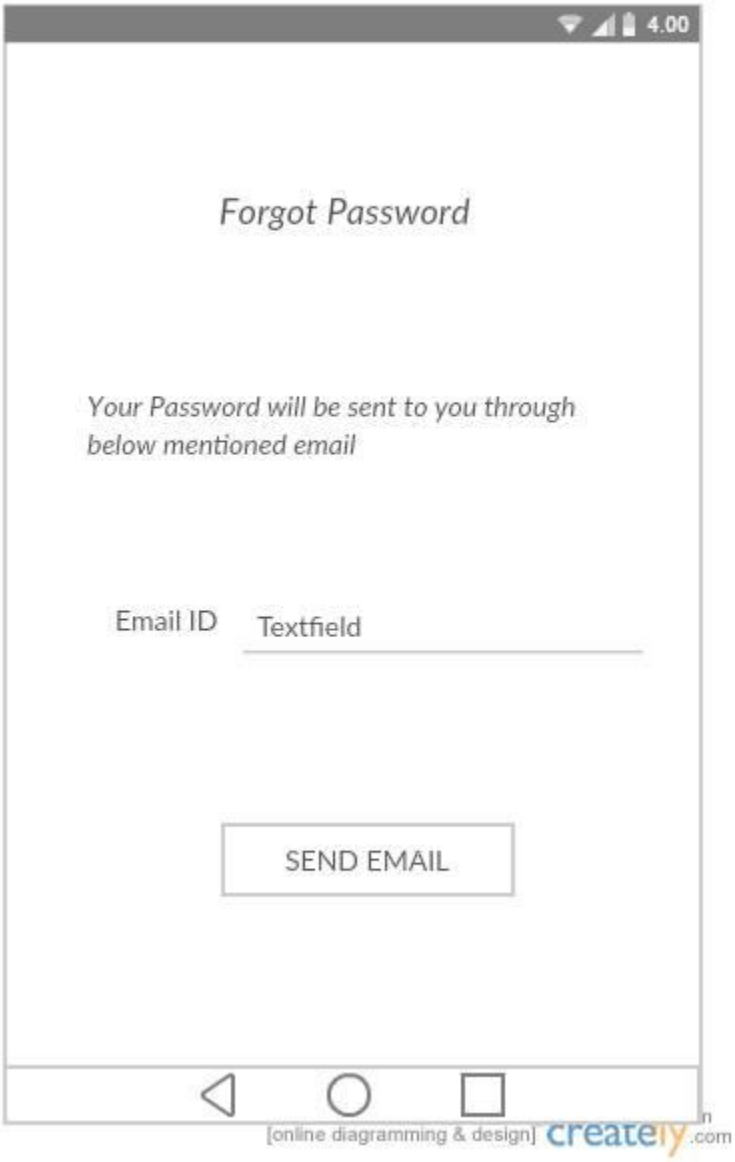
Technician Results:



Technician Details:

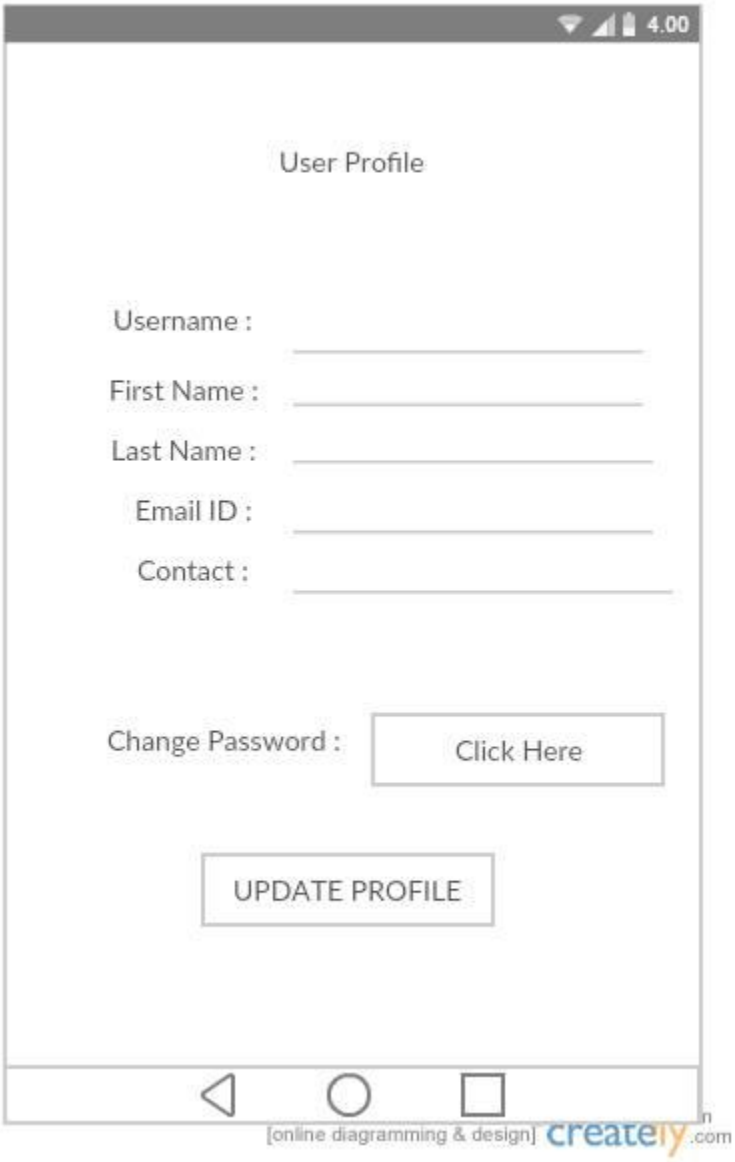


Forgot Password Page:

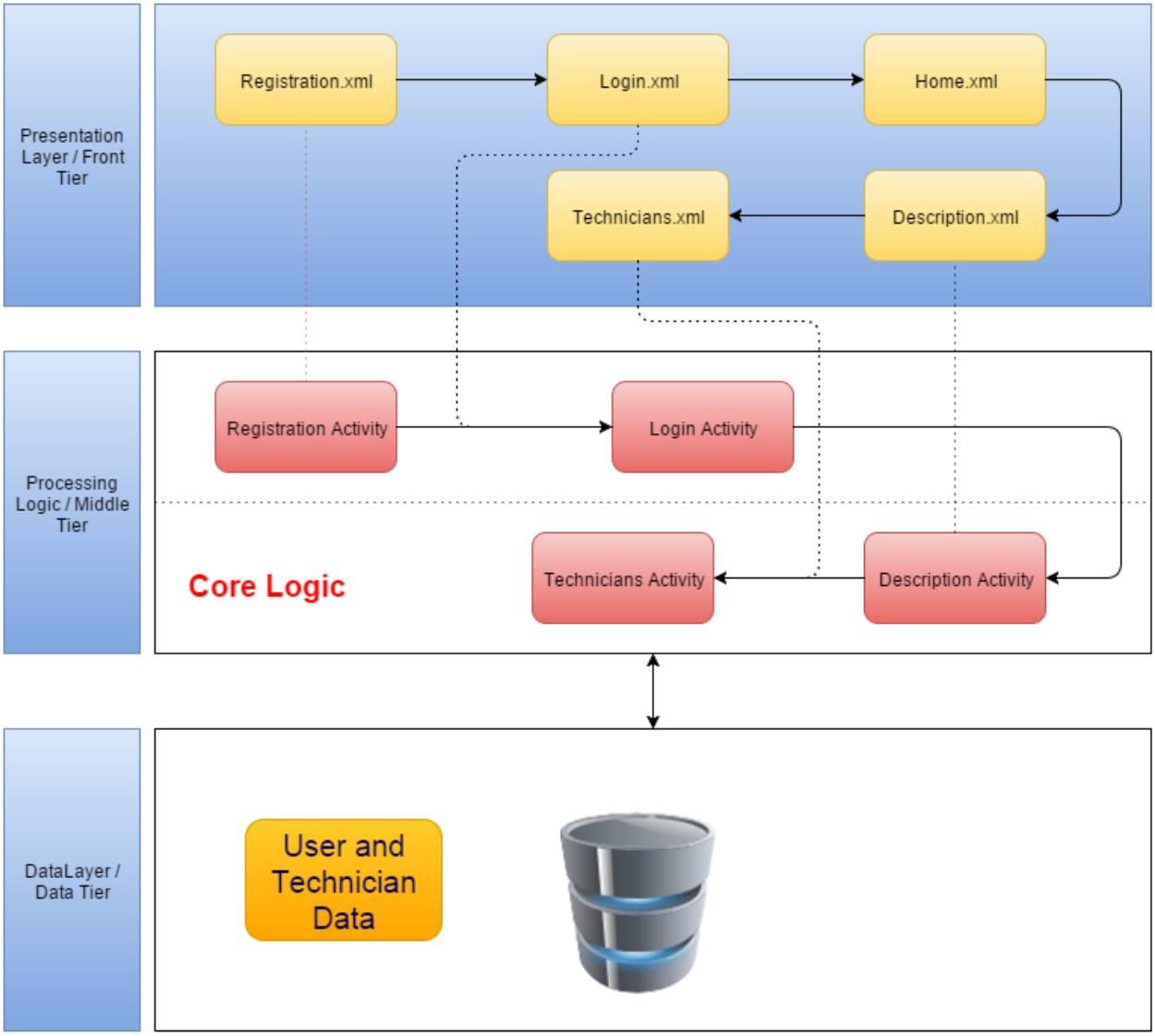


Confirm Password:

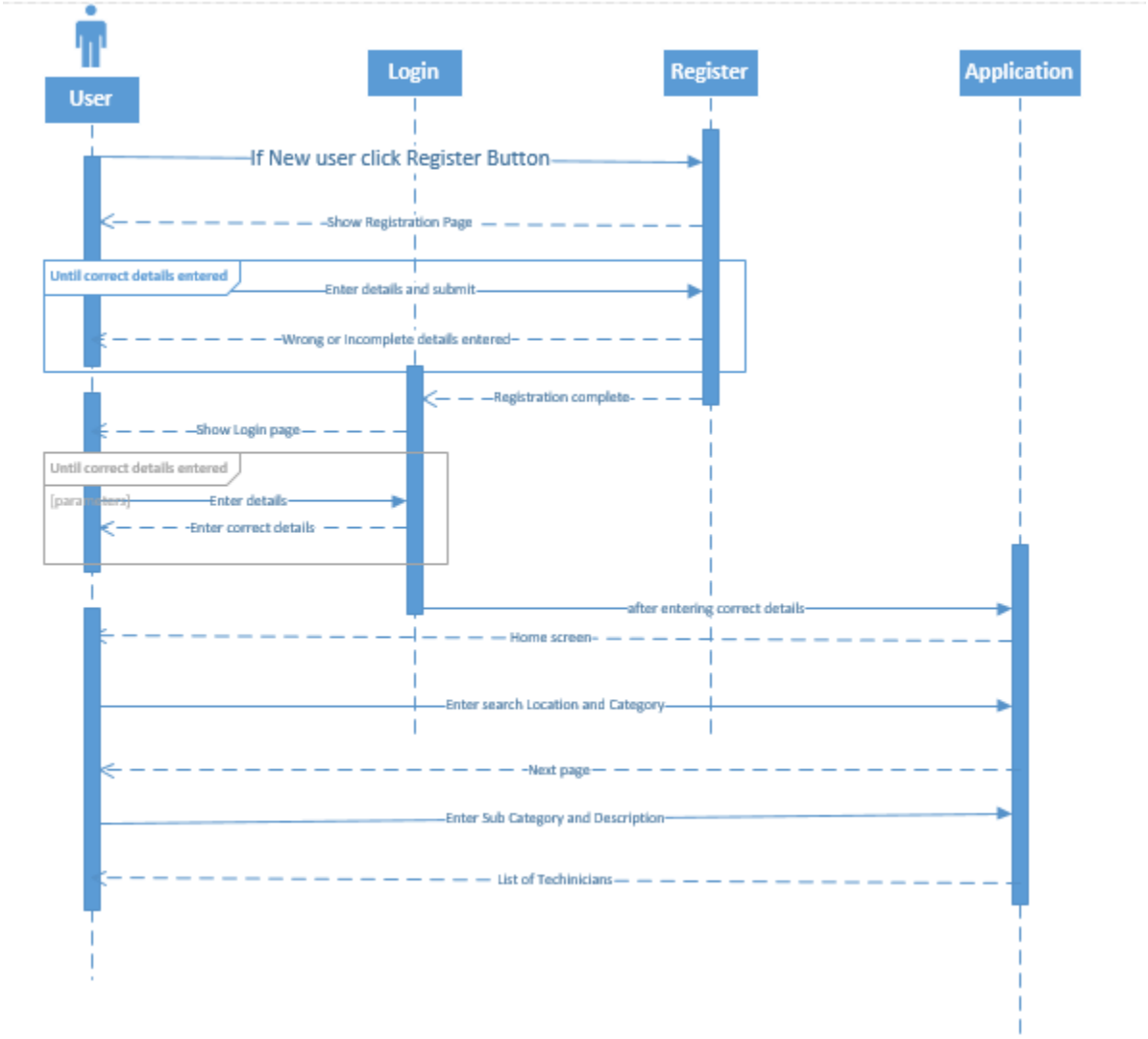
Edit Profile Page:



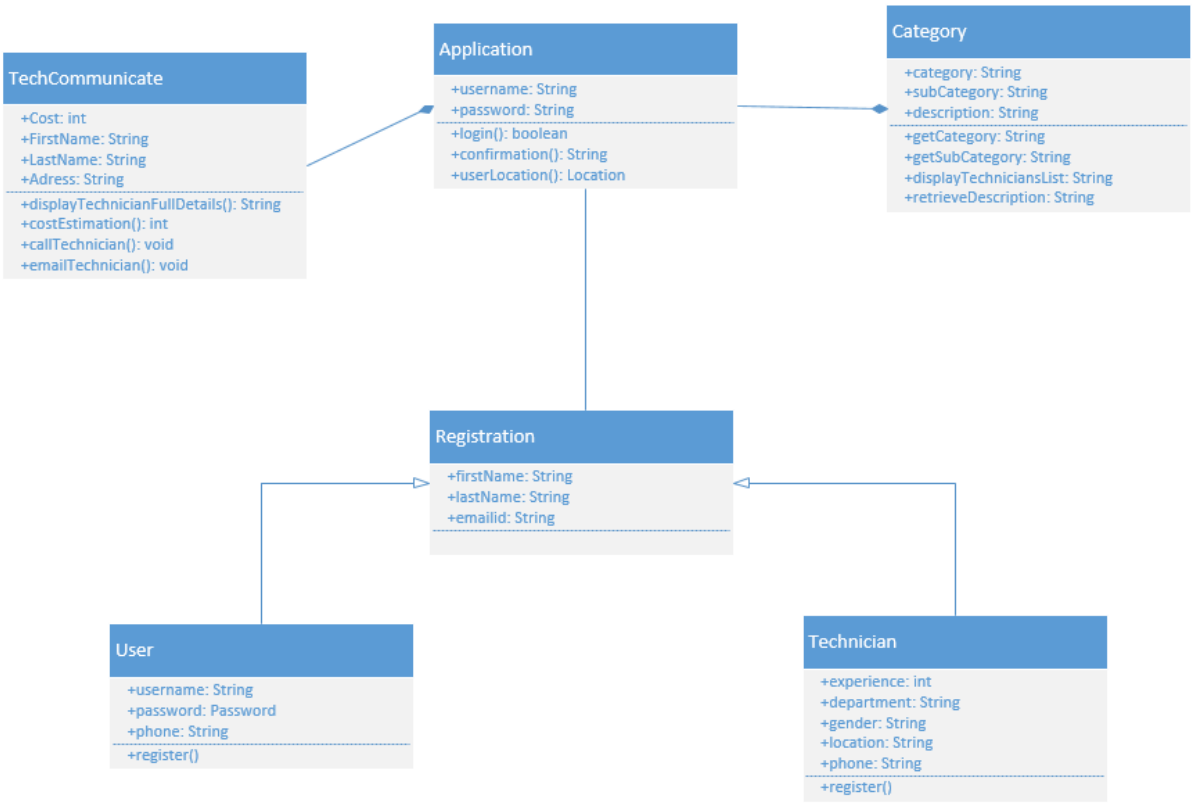
Architecture Diagram:



Sequence Diagram:



Class Diagram:



Use Cases:

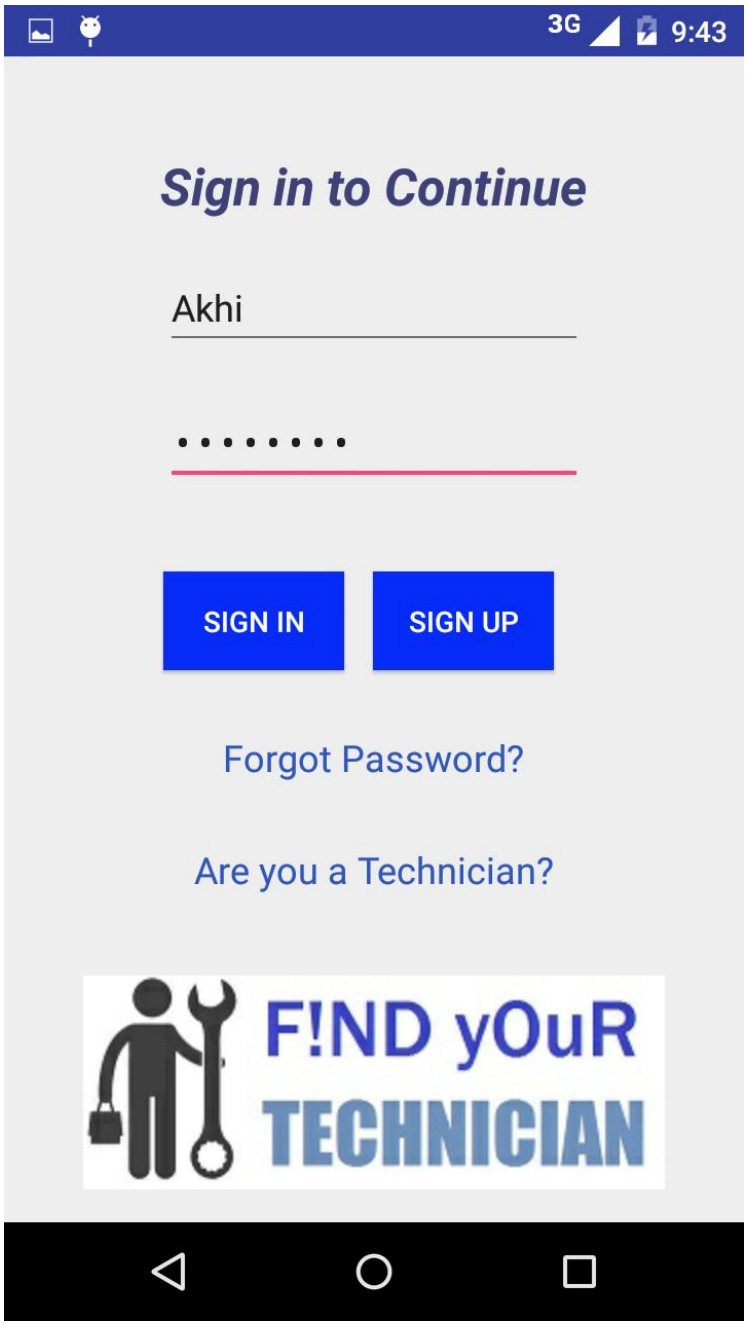
- **Technician Profile Registration:** Checks for the user input details and validates with the existing User names. If exists through errors else registration will be done successfully.
- **Home Page:** Validates user details with the details present in the data base. If the details are correct then the user will be taken to the Home page.
- **Sub Category Page:** Validates the description that is entered.

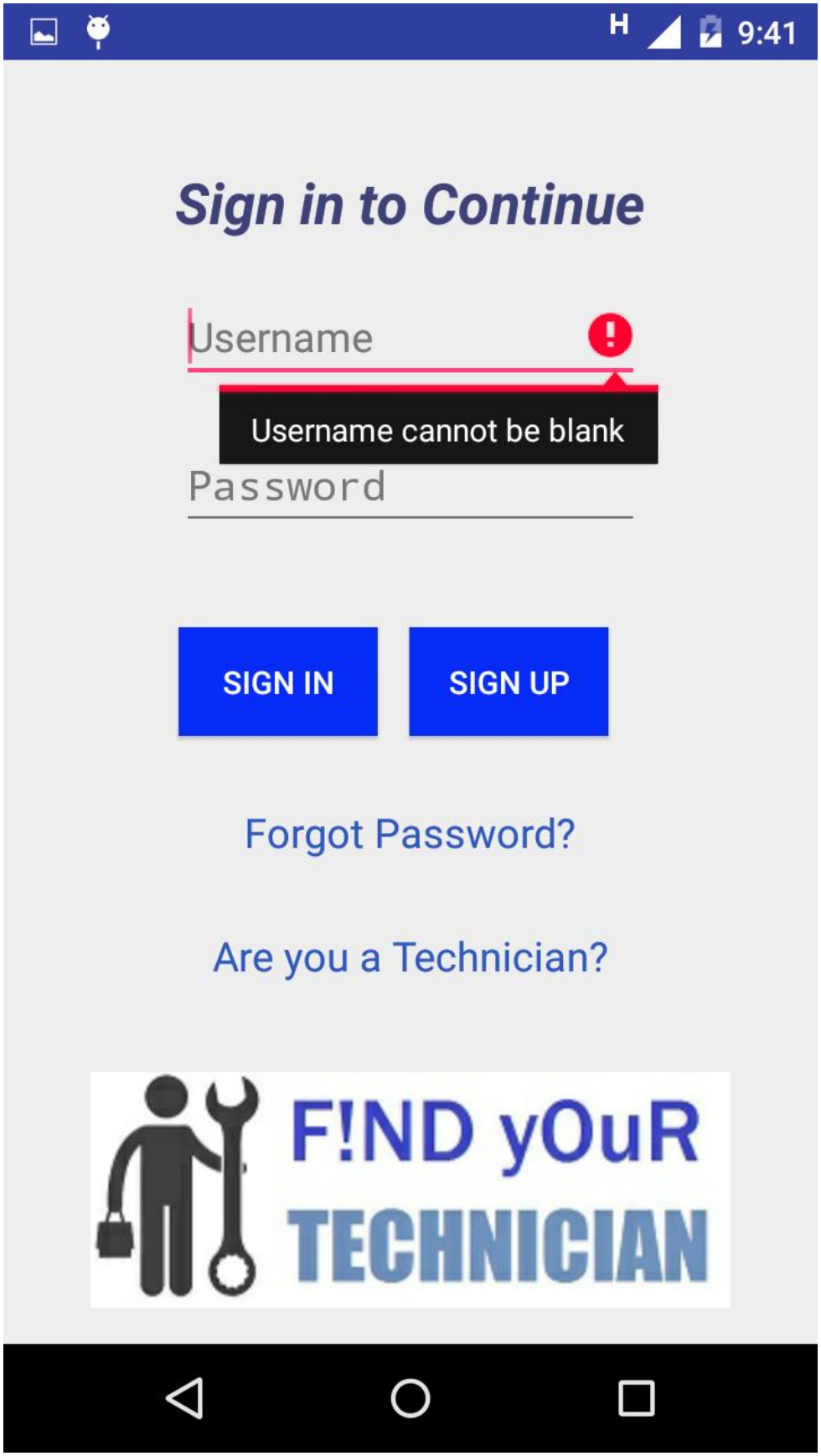
Implementation:

The Implementation of the design mentioned above would be processed using **Android Studio** as Mobile Client Implementation Method and the Source code has been included in the Source code folder attached with the Report. Architecture, Class and Sequence diagrams are drawn using Microsoft Visual Studio. While wireframes are drawn in Creatly.com

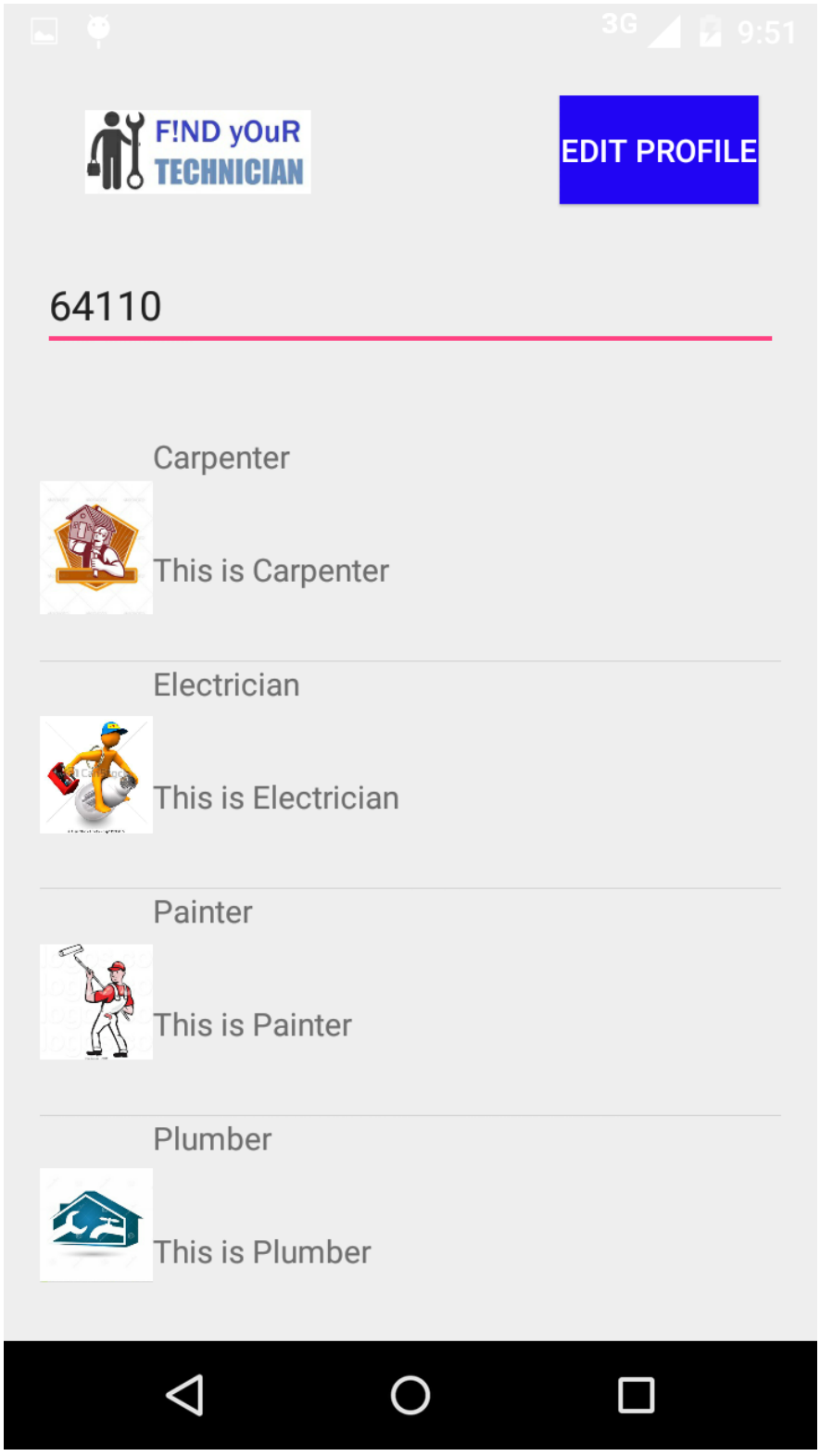
Deployment:

User Login:

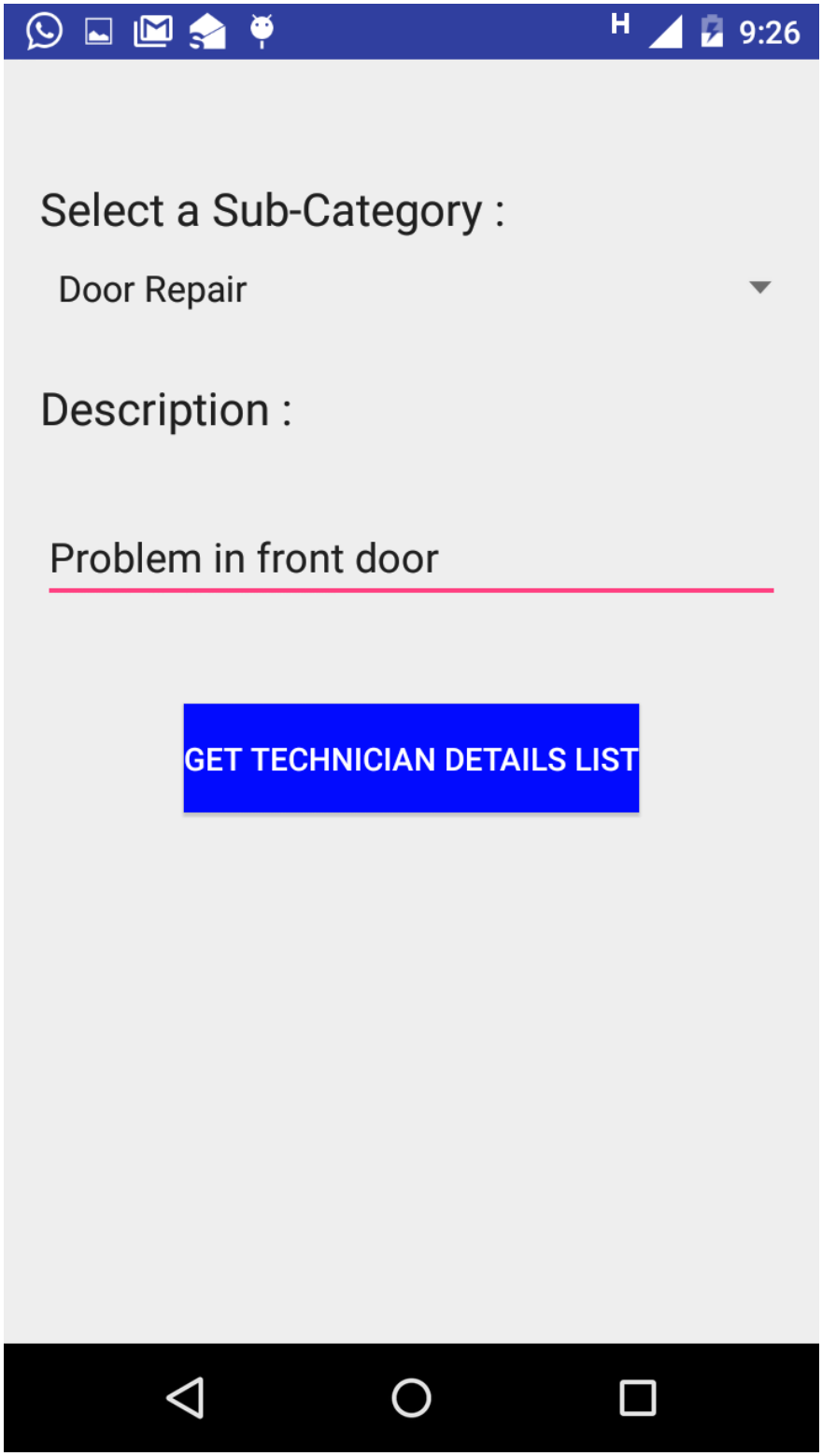



H
9:41
Sign in to Continue
Username
Username cannot be blank
Password
SIGN IN
SIGN UP
Forgot Password?
Are you a Technician?
F!ND yOuR
TECHNICIAN

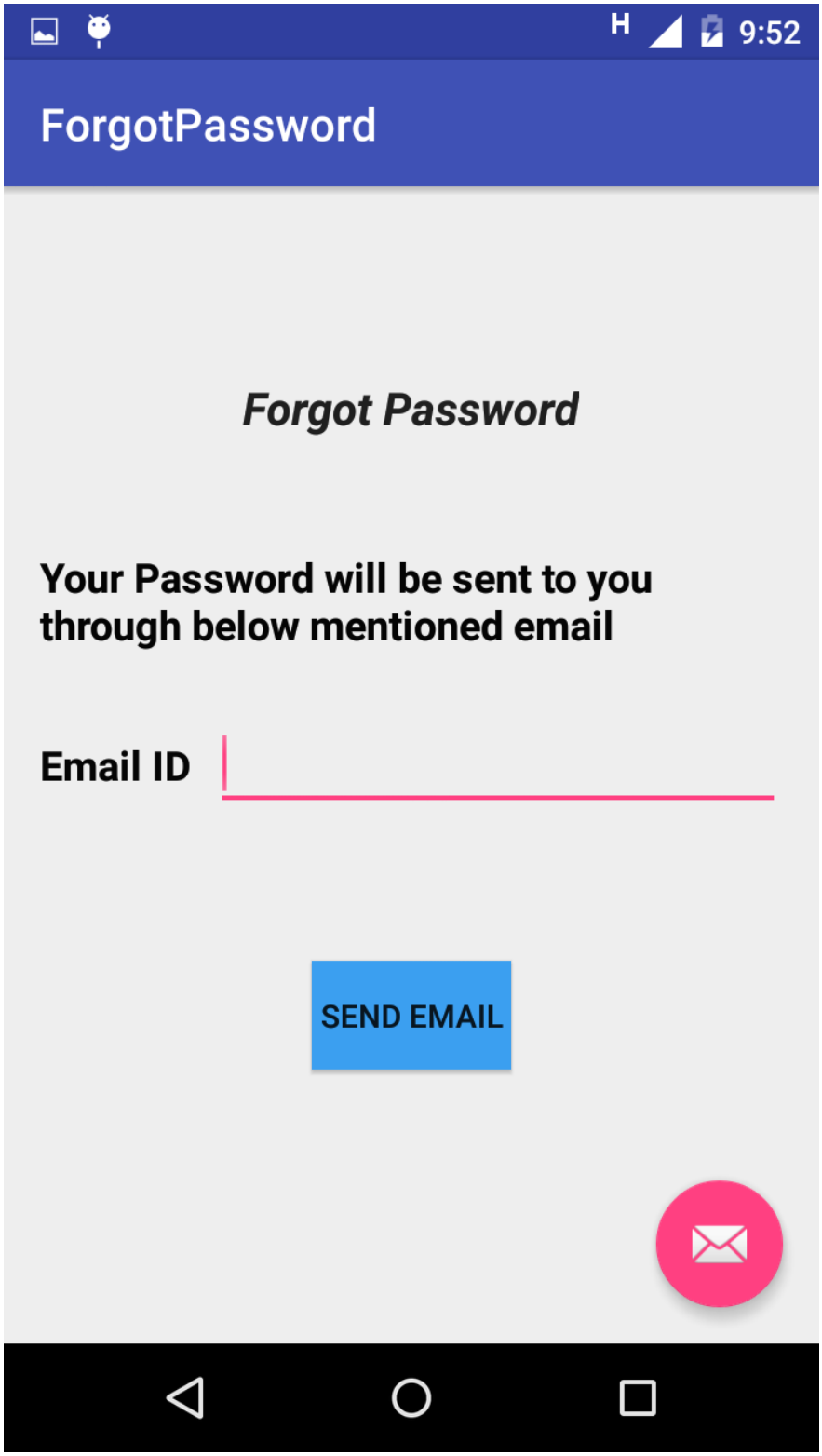
Home Page:


3G
9:51
F!ND yOuR TECHNICIAN
EDIT PROFILE
64110
Carpenter
This is Carpenter
Electrician
This is Electrician
Painter
This is Painter
Plumber
This is Plumber

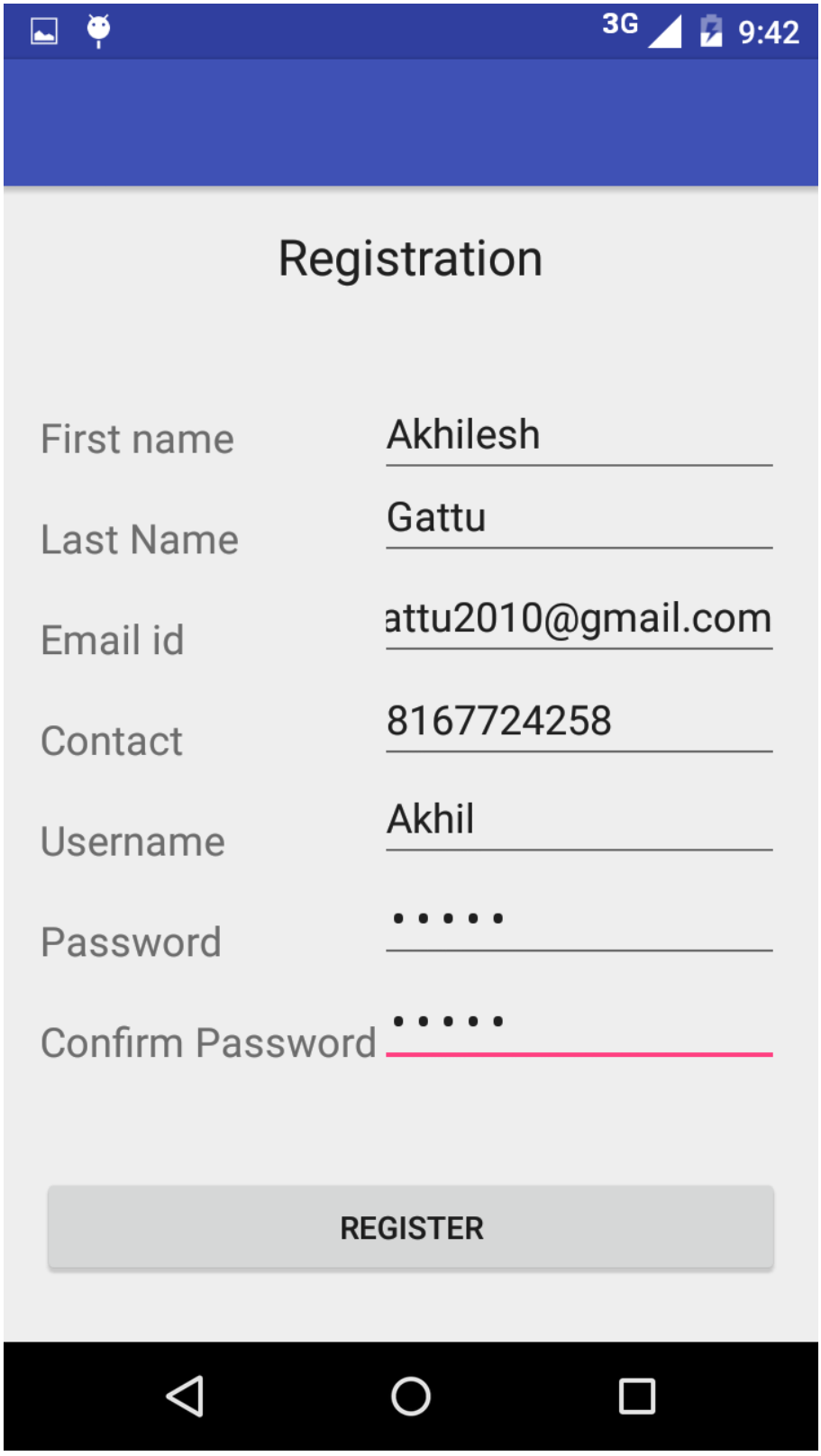
Sub Category Page:

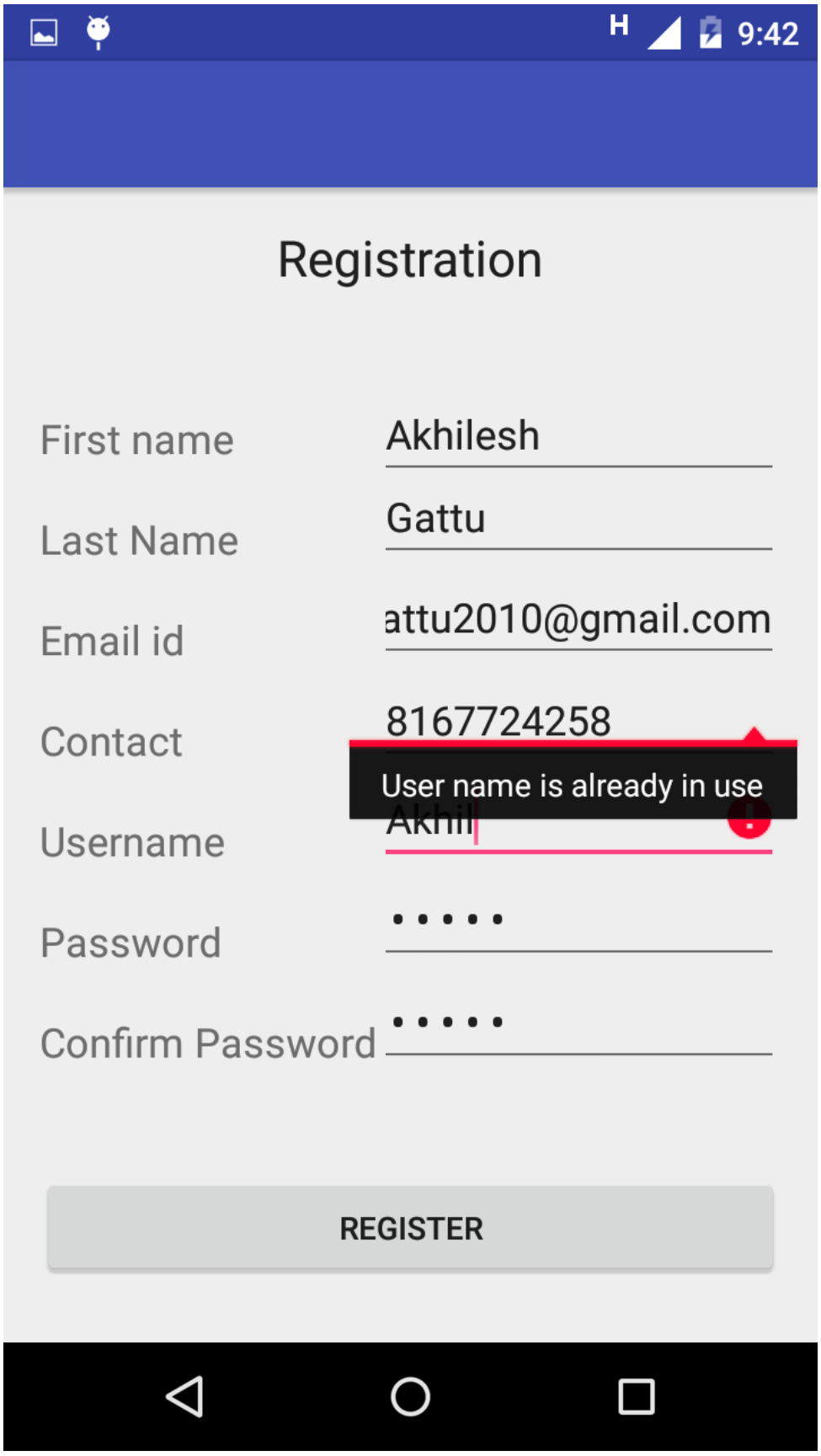


Forgot Password Page:

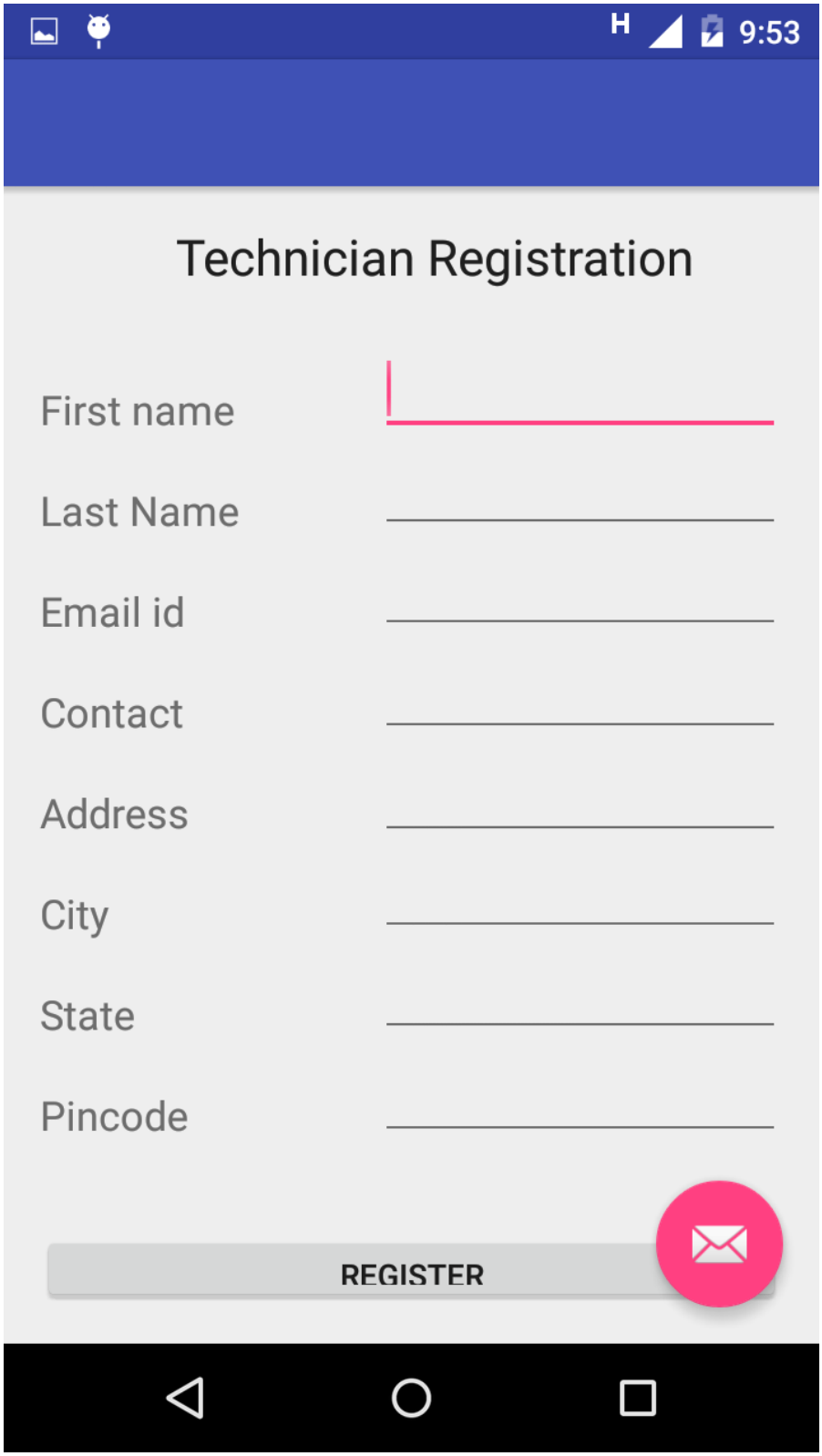


User Registration Page:




H
9:42
Registration
First name
Akhilesh
Last Name
Gattu
Email id
attu2010@gmail.com
Contact
8167724258
User name is already in use
Username
Akhil
Password
Confirm Password
REGISTER

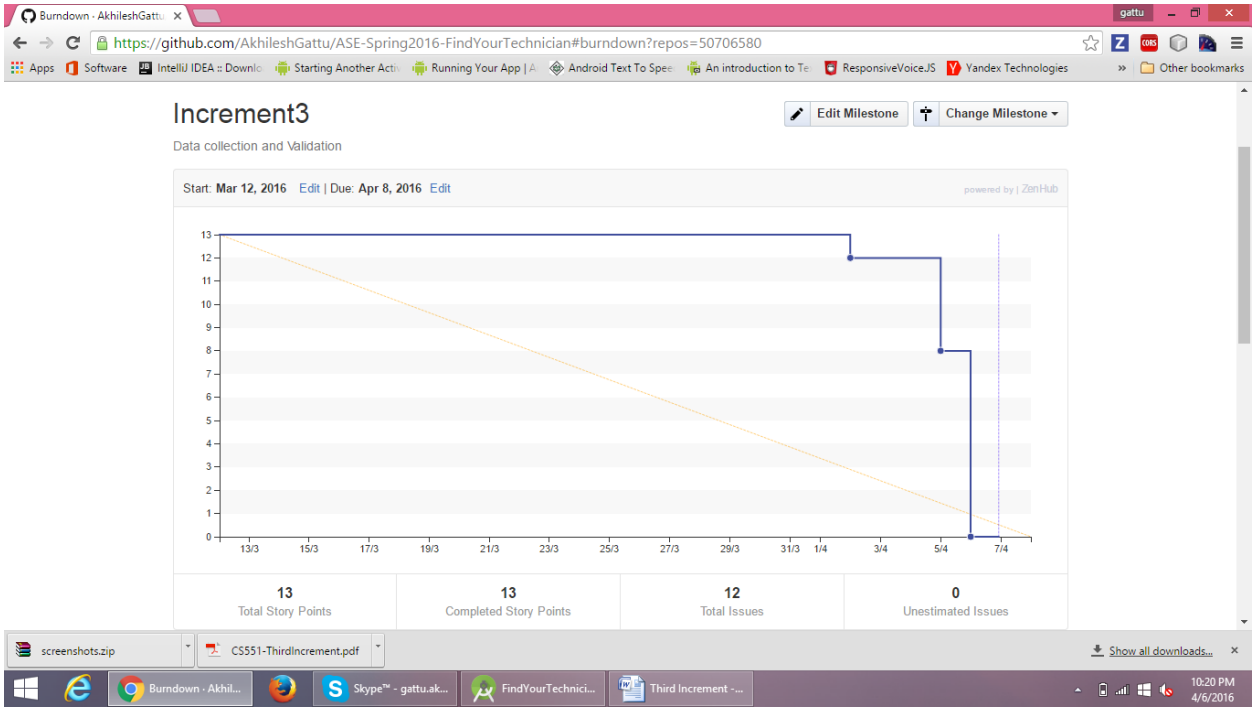
Technician Registration Page:

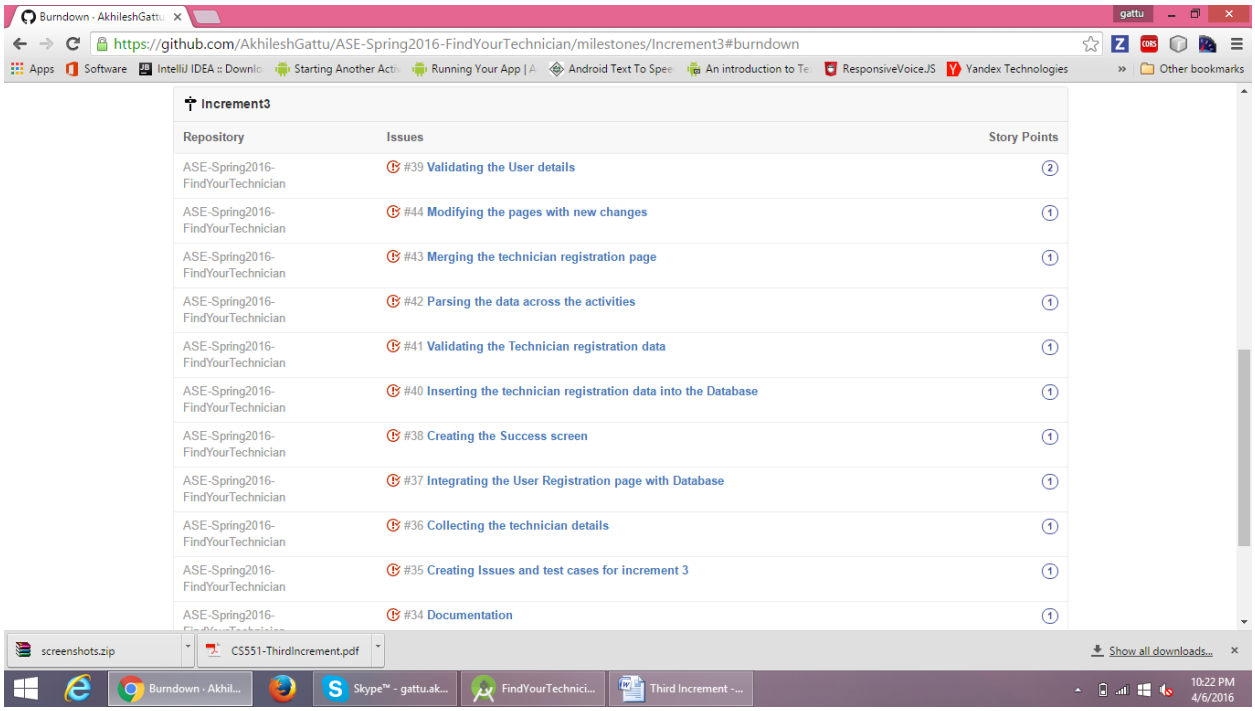


GitHub URL: https://github.com/AkhileshGattu/ASE-Spring2016-FindYourTechnician

Project Management:

- **Work completed:**
  Created all the pages and navigation between the pages is also completed. Data base integration for User and Technician Registration is done. Validating the User Details while logging in also completed. Validating the user input data while User and Technician Registration is in place and working fine.





Bibliography:

- http://ziffi.com
- http://developer.android.com
- http://draw.io
- http://creatly.com