Fourth 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:

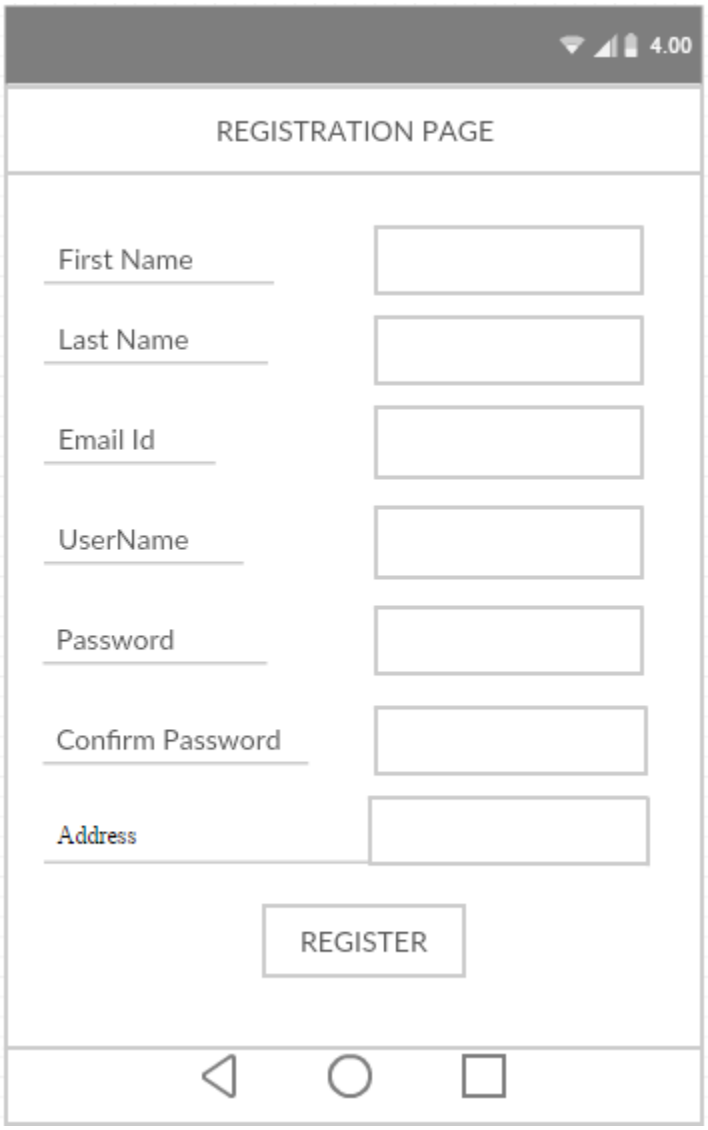
We are using Google API to get the current address of the user and display it on the home page regardless of whether the user is logged in or not.

Detailed Design:

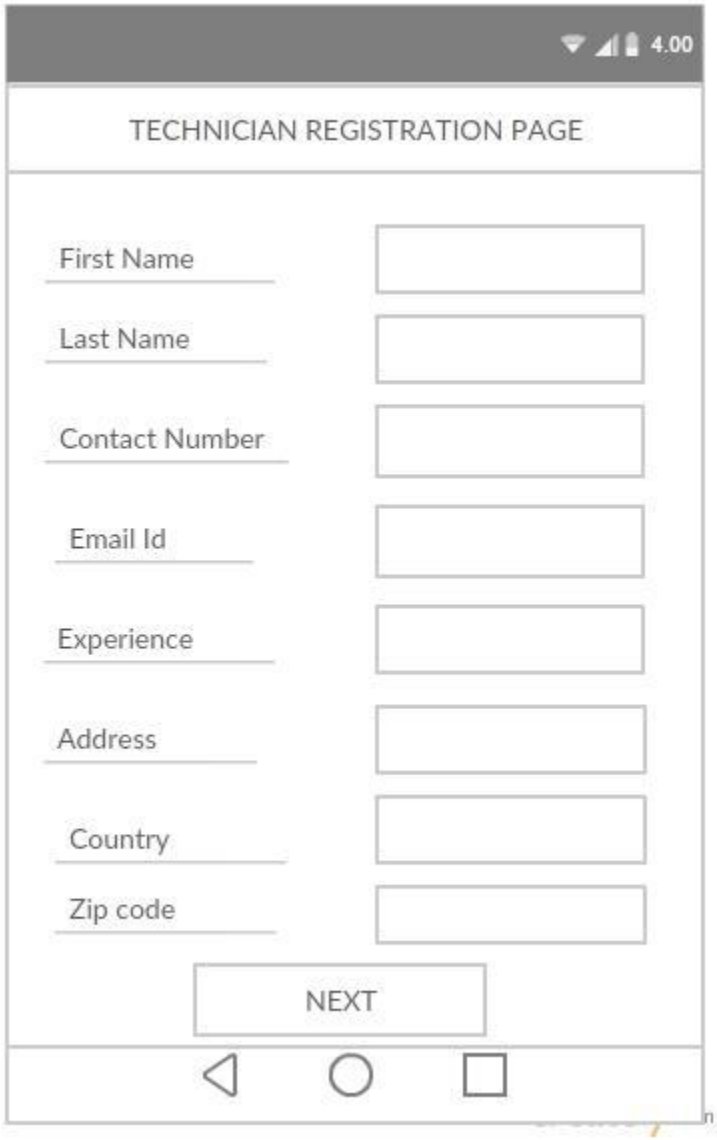
- **Wire Frames:**

  User Login Page:

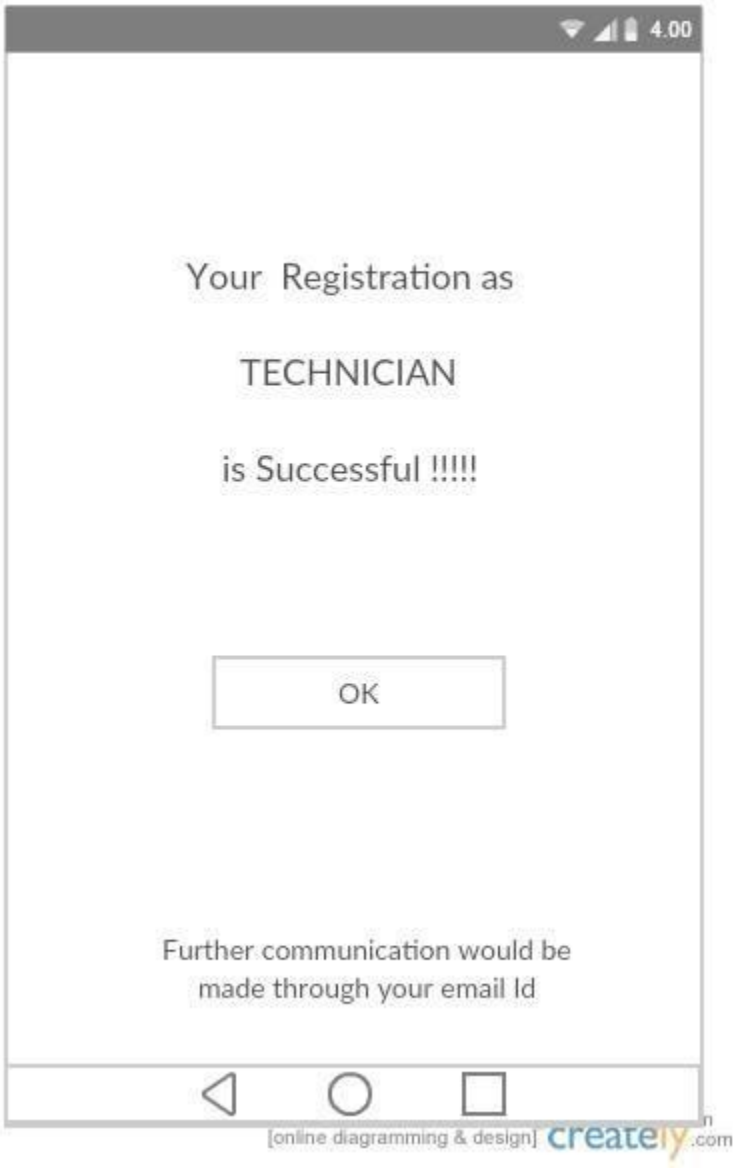
User Registration:



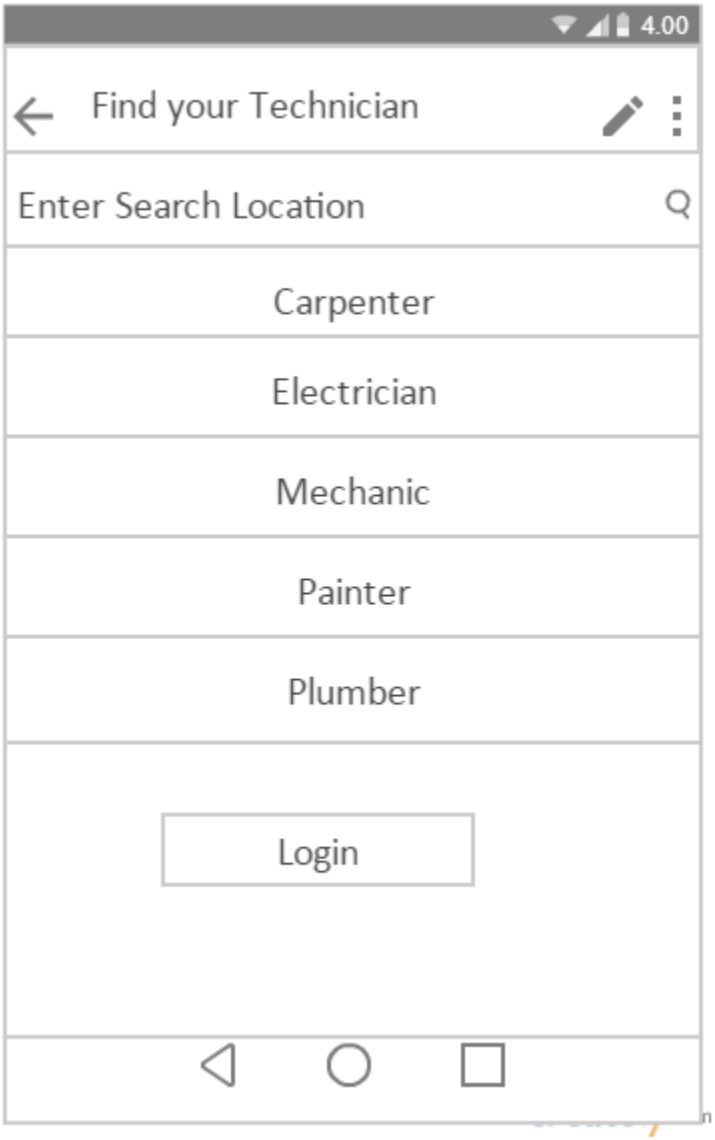
Technician Registration:



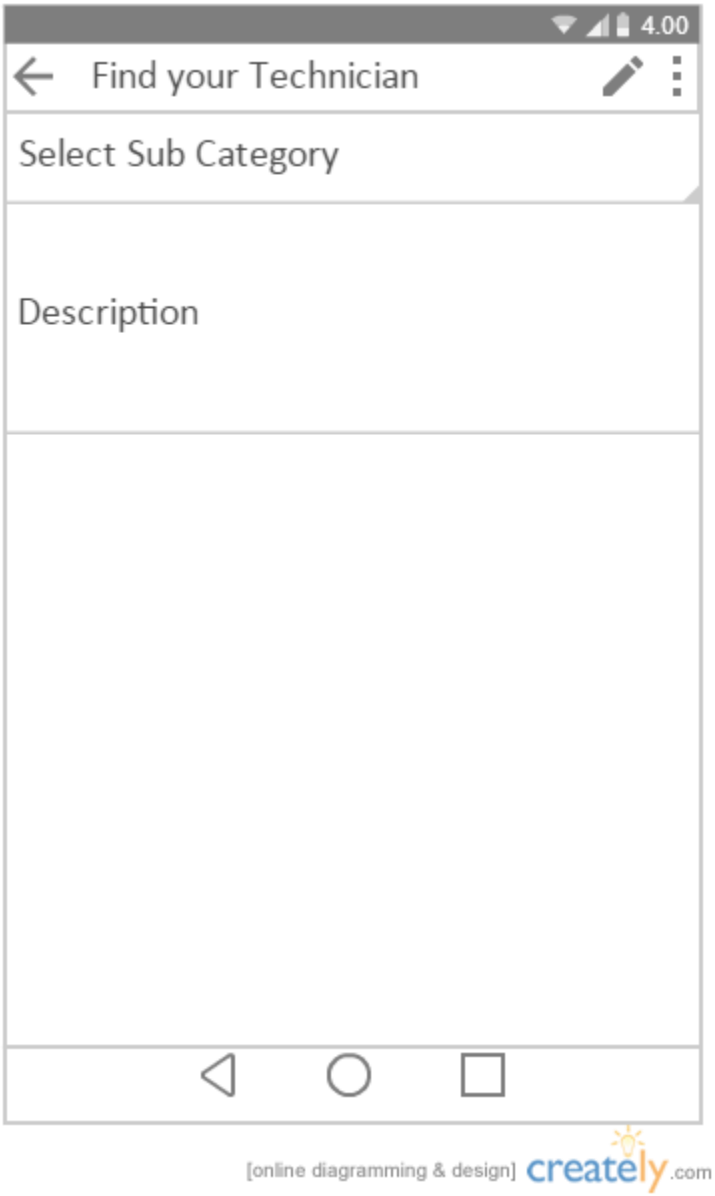
Technician Registration Completion:


4.00
Your Registration as
TECHNICIAN
is Successful !!!!!
OK
Further communication would be
made through your email Id
[online diagramming & design] creately.com

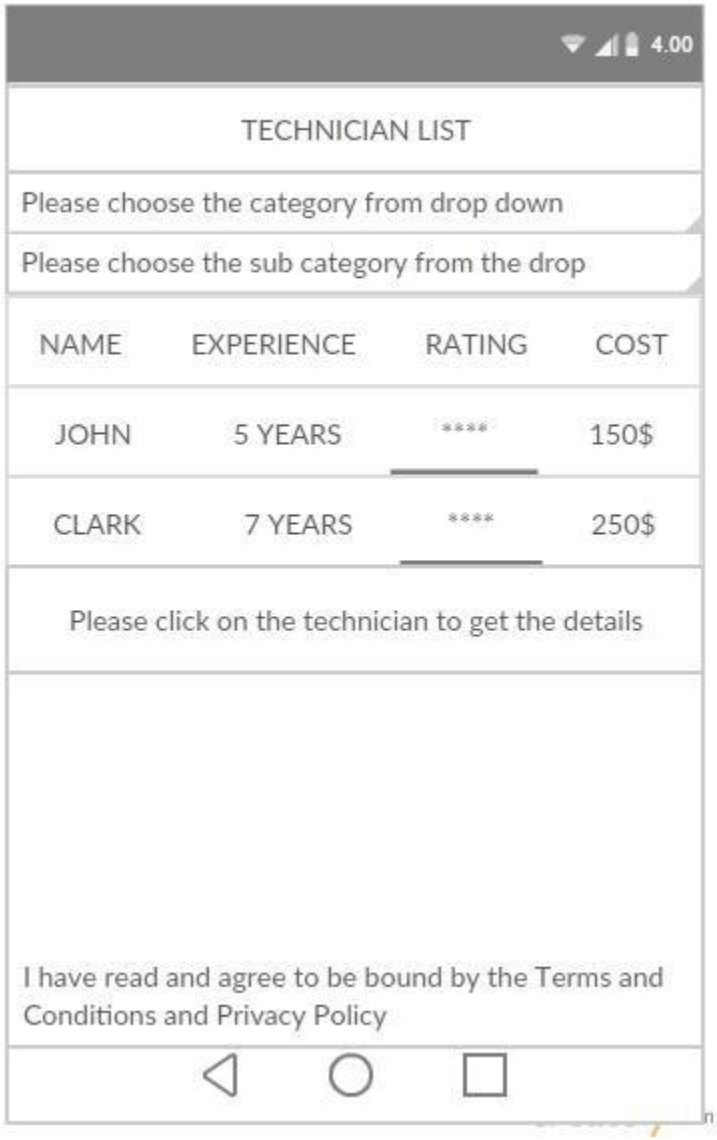
Home Page:



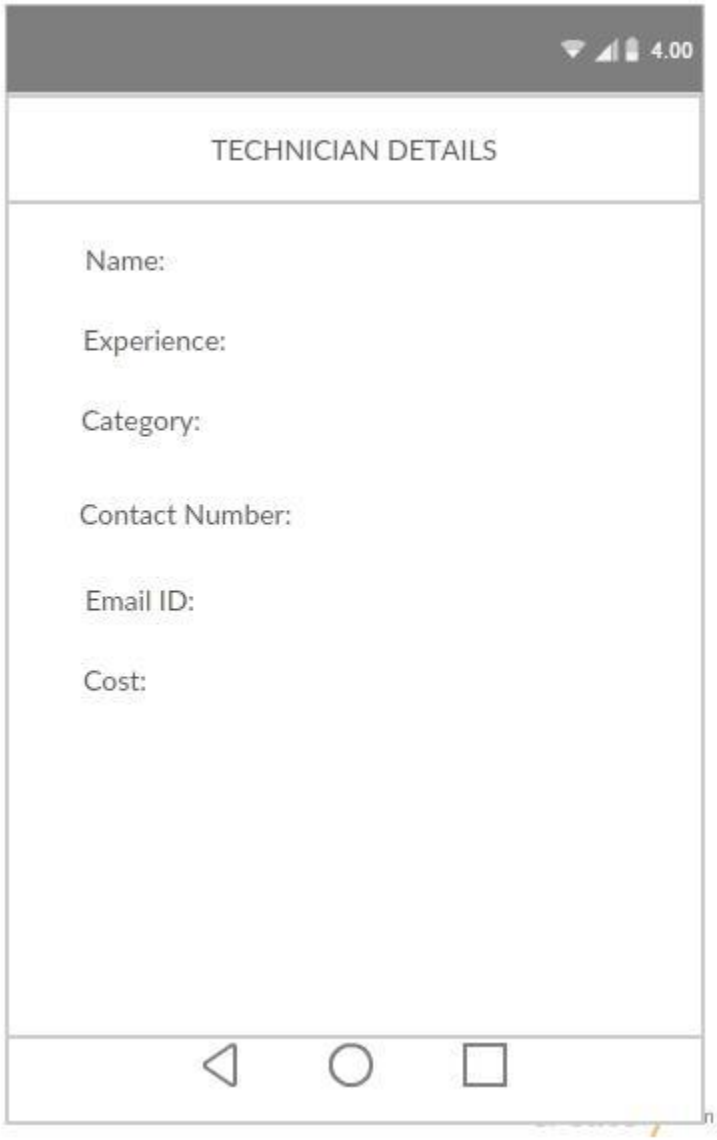
Sub Category and Description:



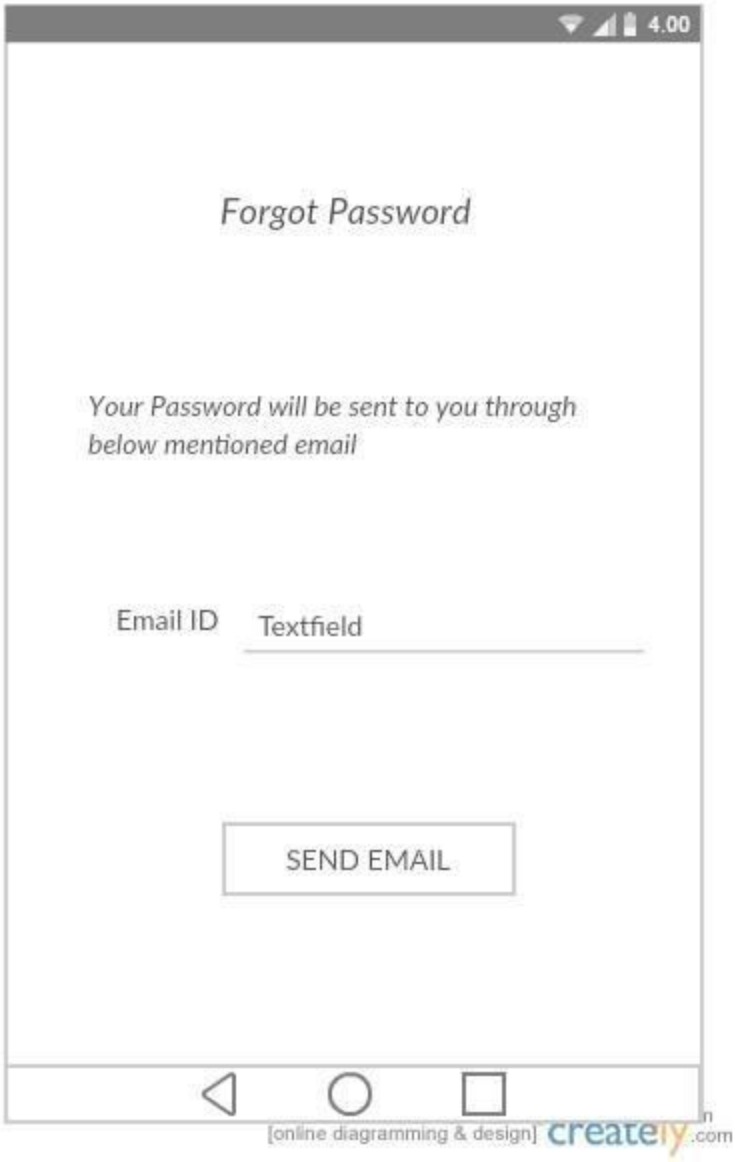
Technician Results:



Technician Details:

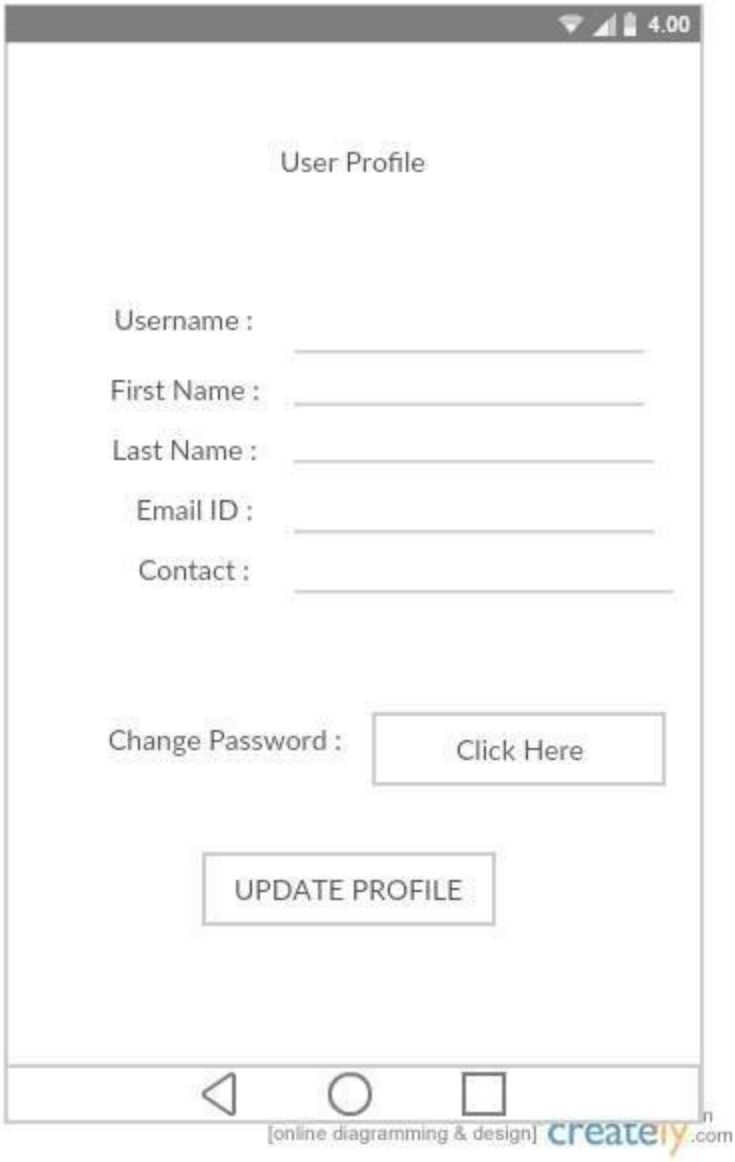


Forgot Password Page:

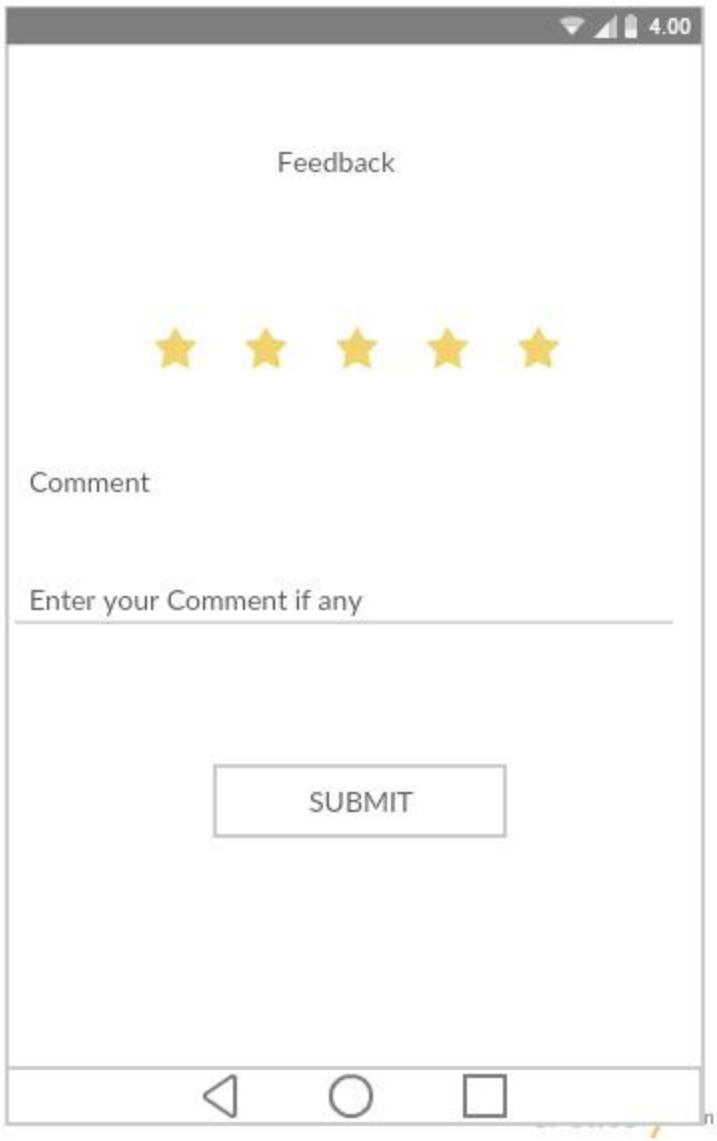


Confirm Password:

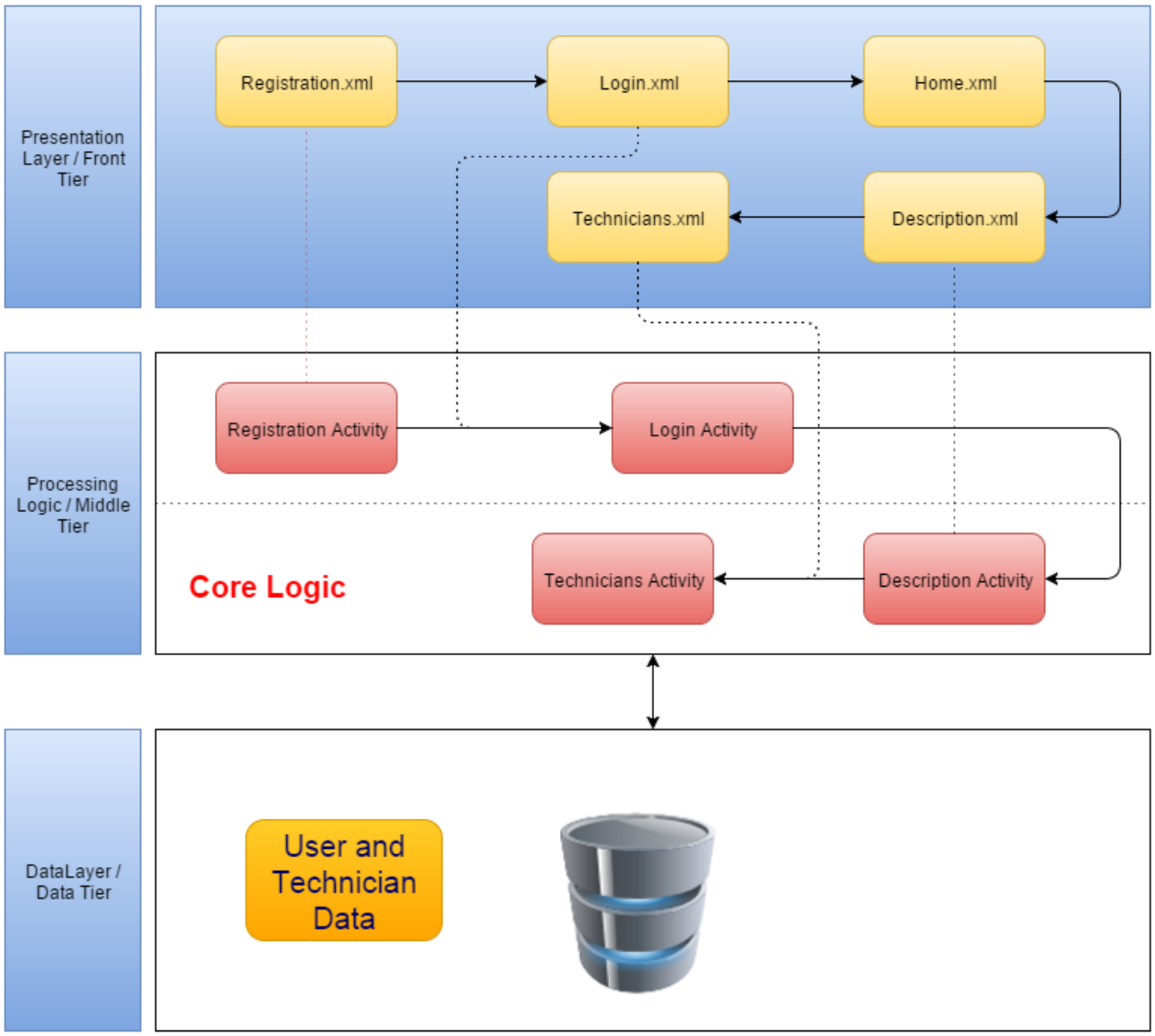
Edit Profile Page:



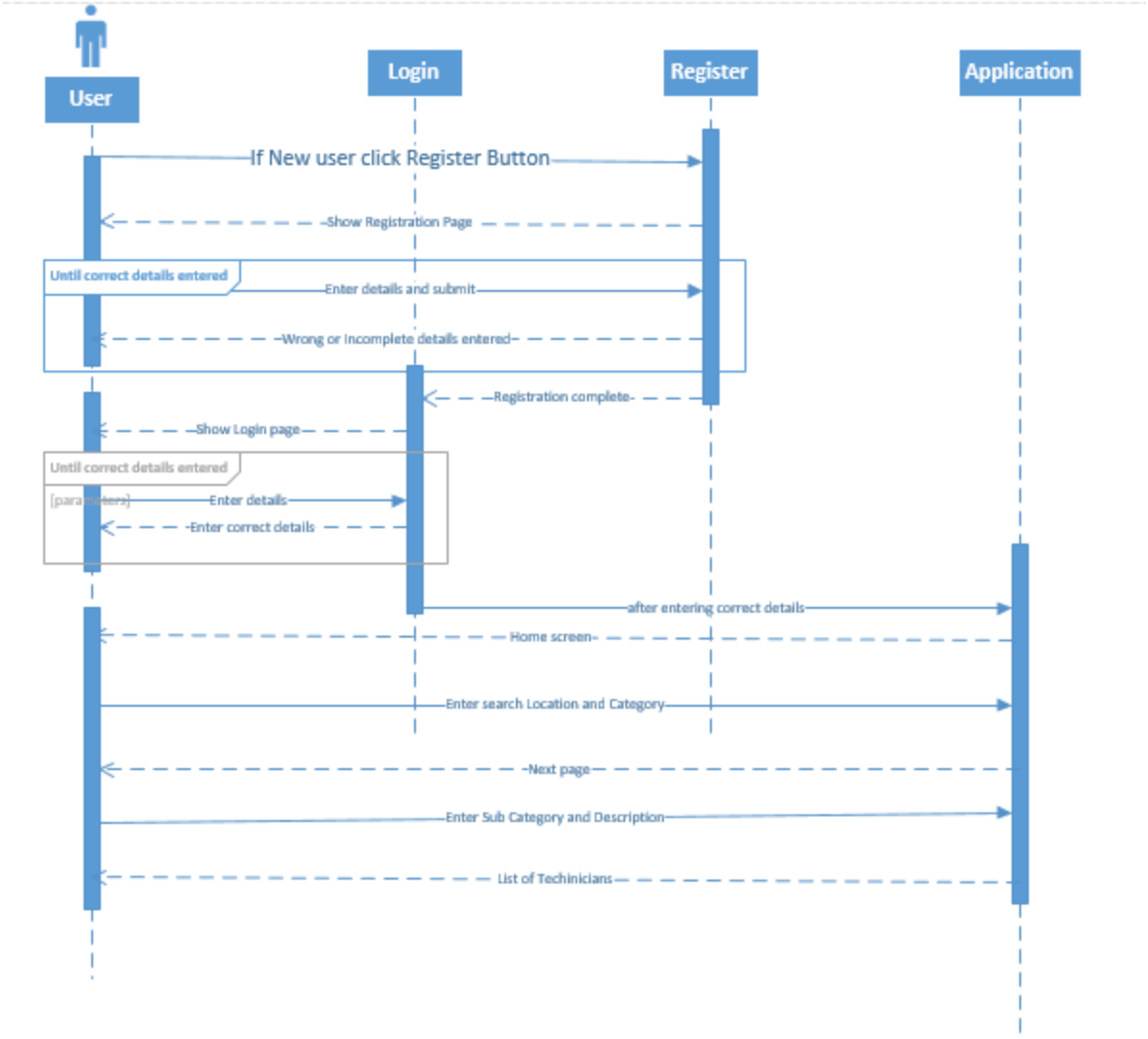
Feedback Page:



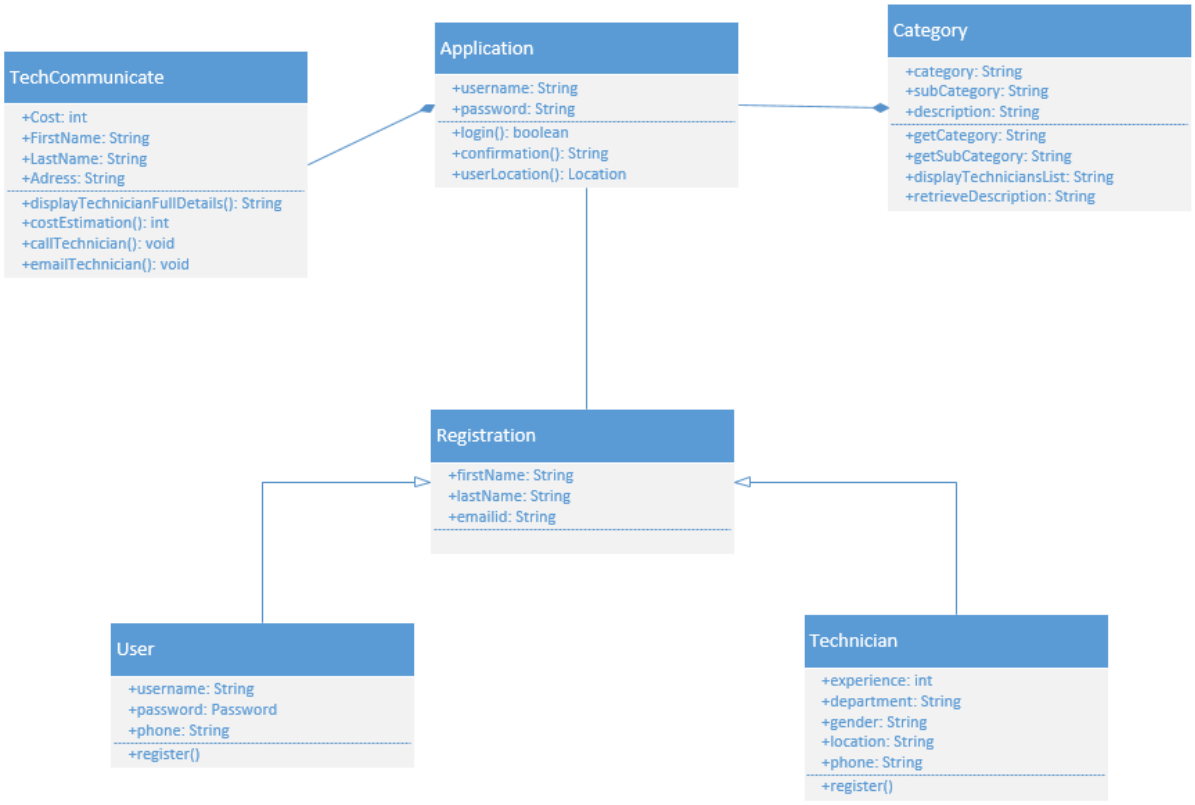
Architecture Diagram:



Sequence Diagram:



Class Diagram:



Use Cases:

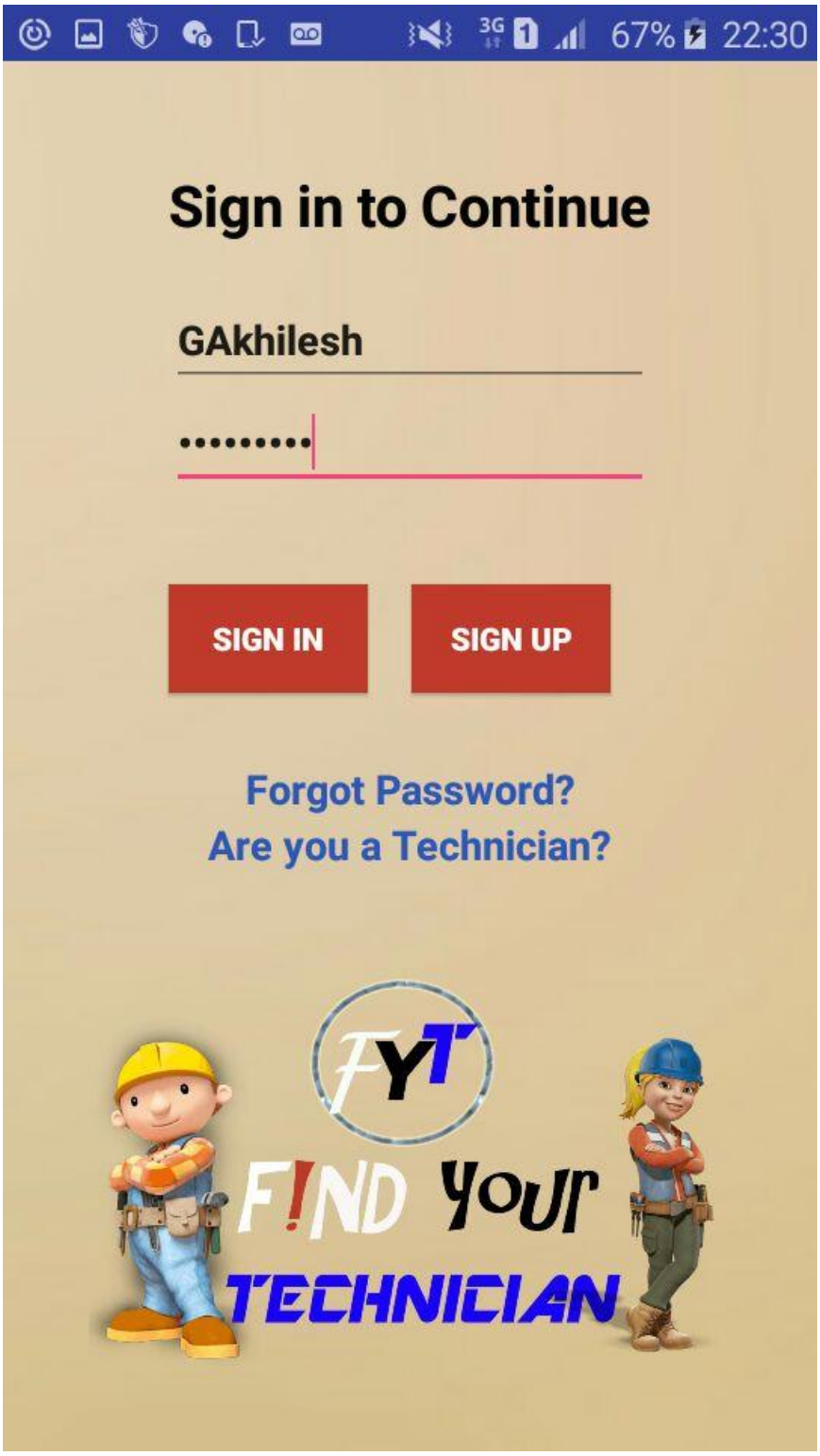
- **Technician Profile Registration:** Checks for the user input details and validates with the existing User names. If exists through errors else registration will be done successfully.
- **Home Page:** Validates user details with the details present in the data base. If the details are correct then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

Implementation:

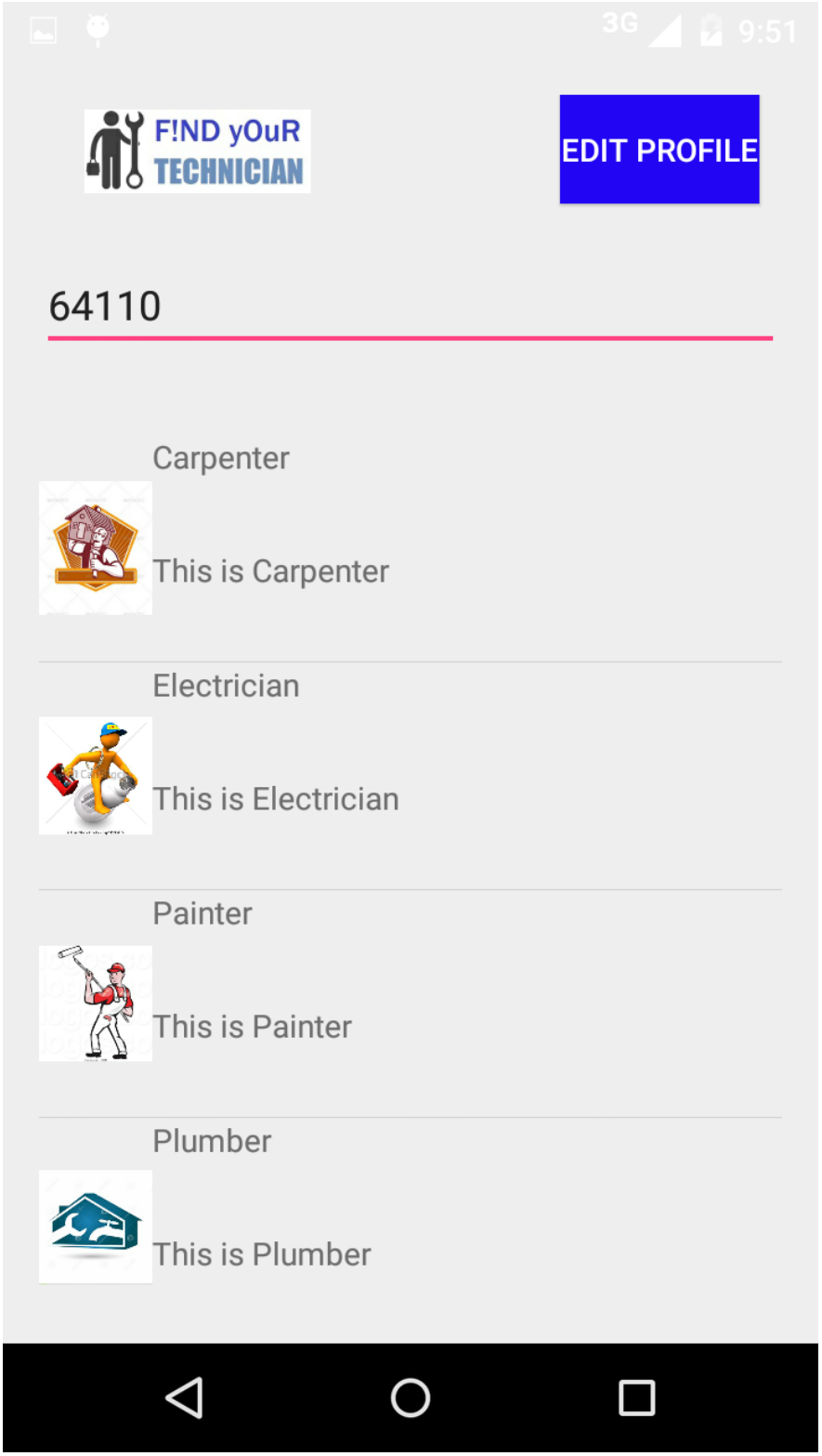
The Implementation of the design mentioned above would be processed using **Android Studio** as Mobile Client Implementation Method and the Source code has been included in the Source code folder attached with the Report. Architecture, Class and Sequence diagrams are drawn using Microsoft Visual Studio.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

Deployment:

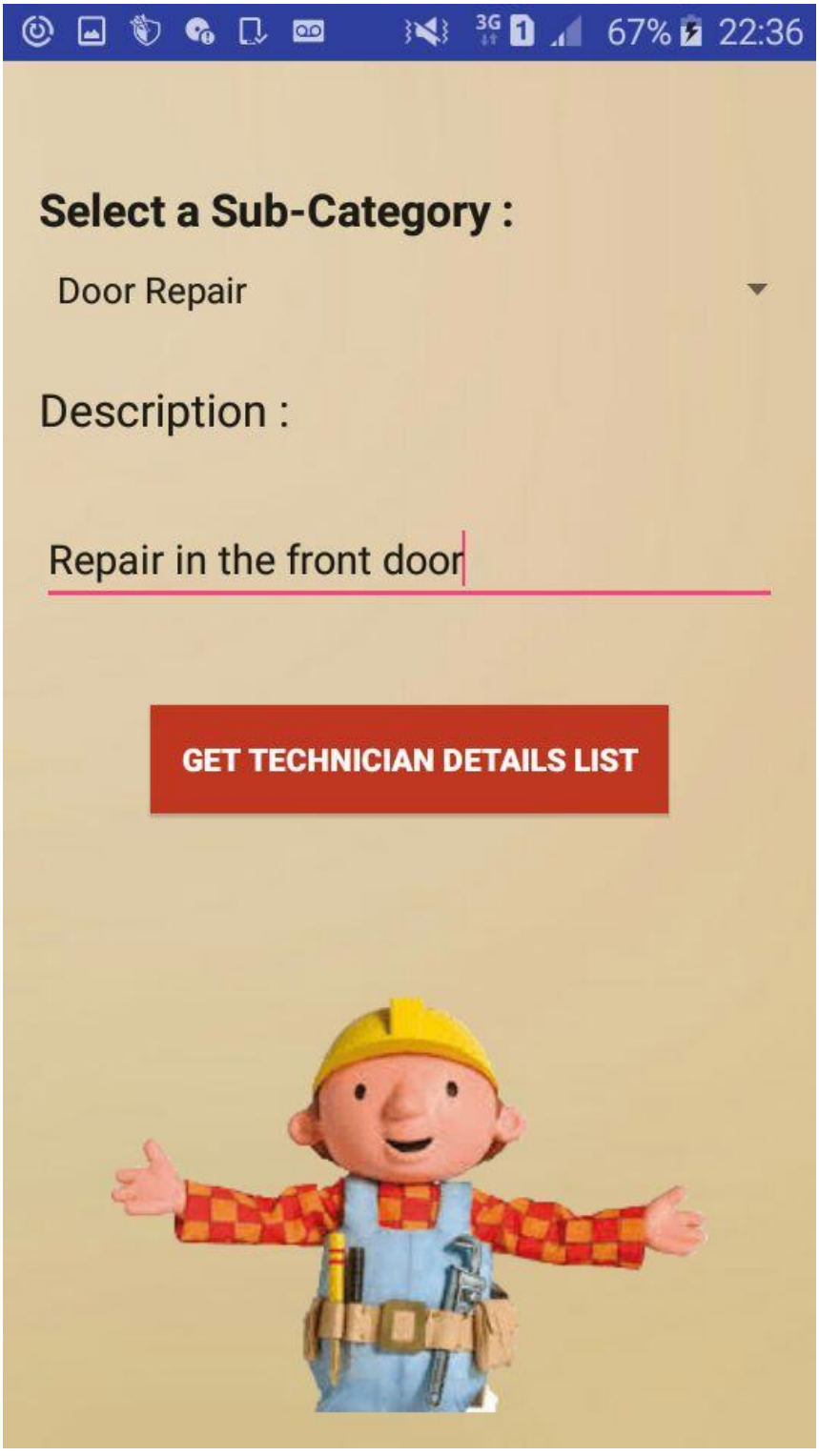
User Login:


67% 22:30
Sign in to Continue
GAkhilesh
SIGN IN
SIGN UP
Forgot Password?
Are you a Technician?
FYT
FIND YOUR
TECHNICIAN

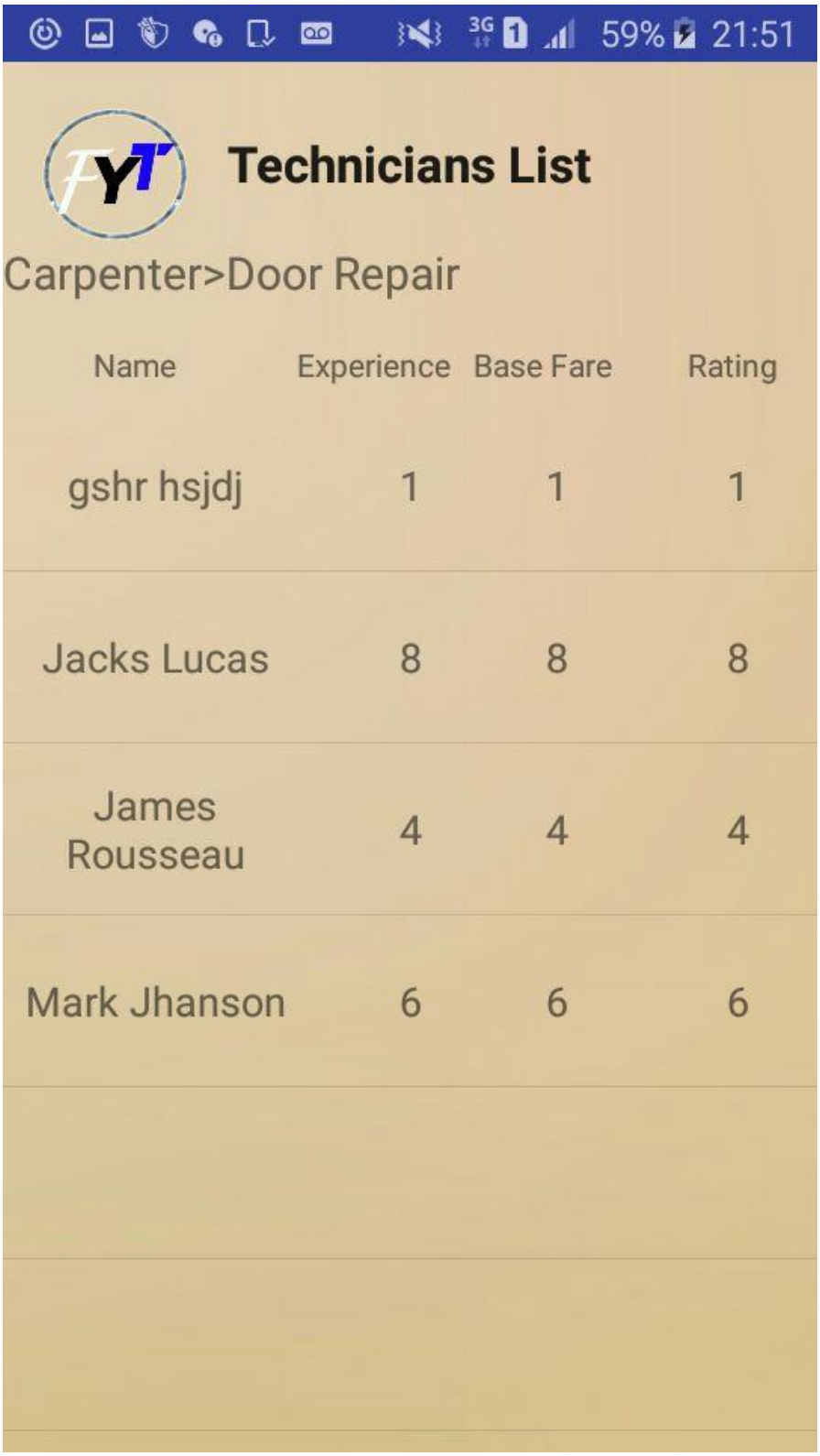
Home Page:



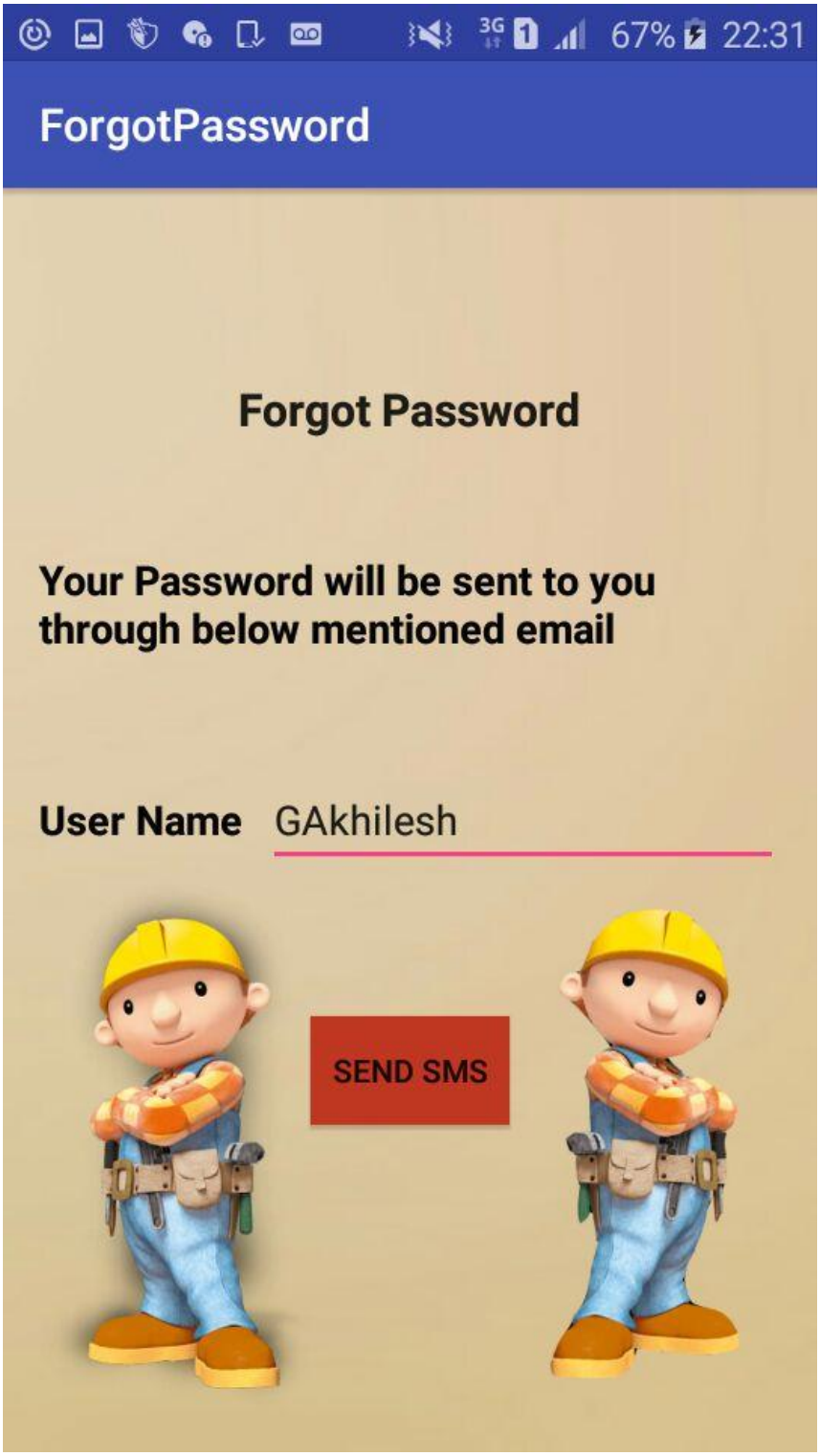
Sub Category Page:



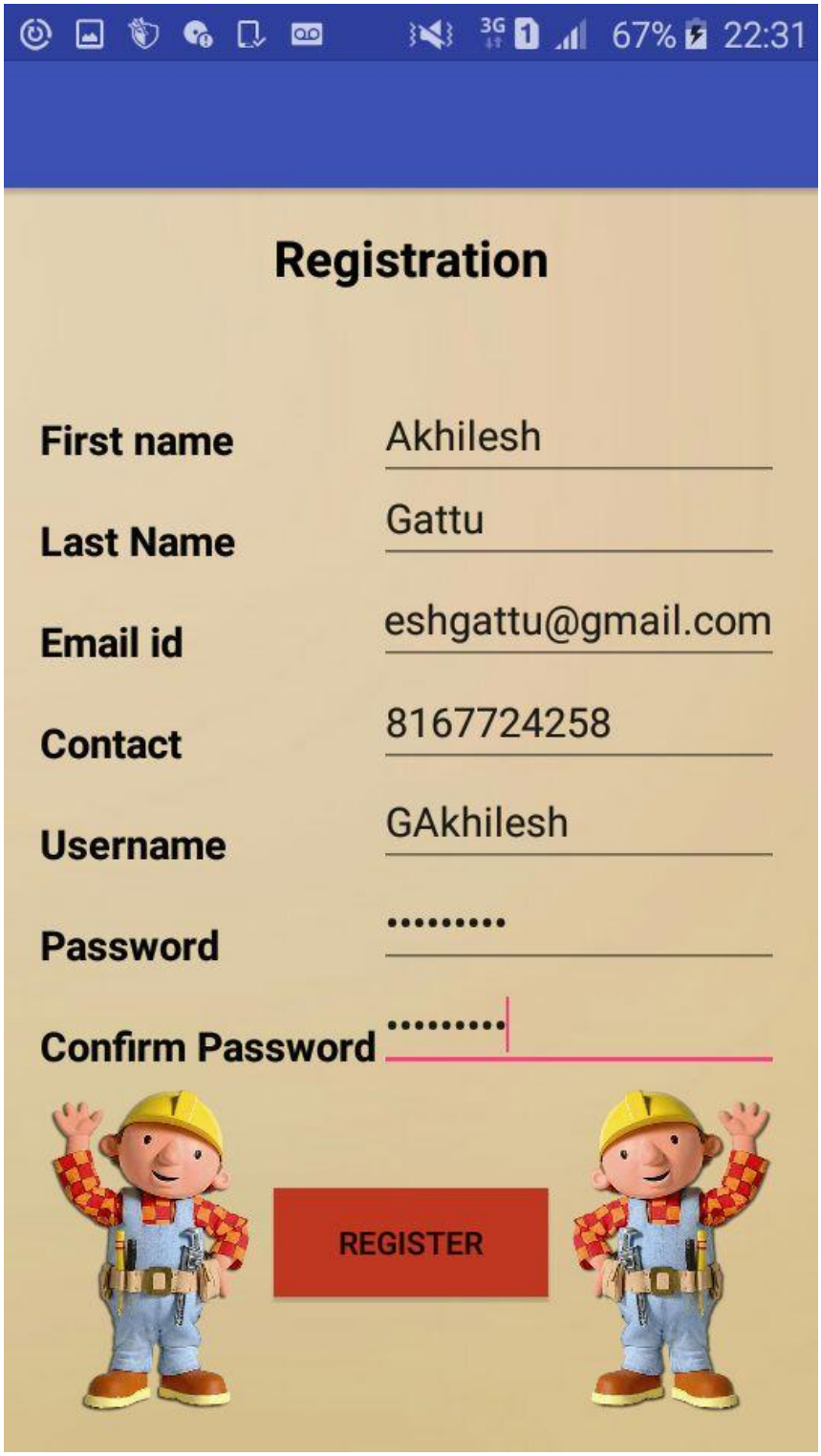
Technicians List Page:



Forgot Password Page:



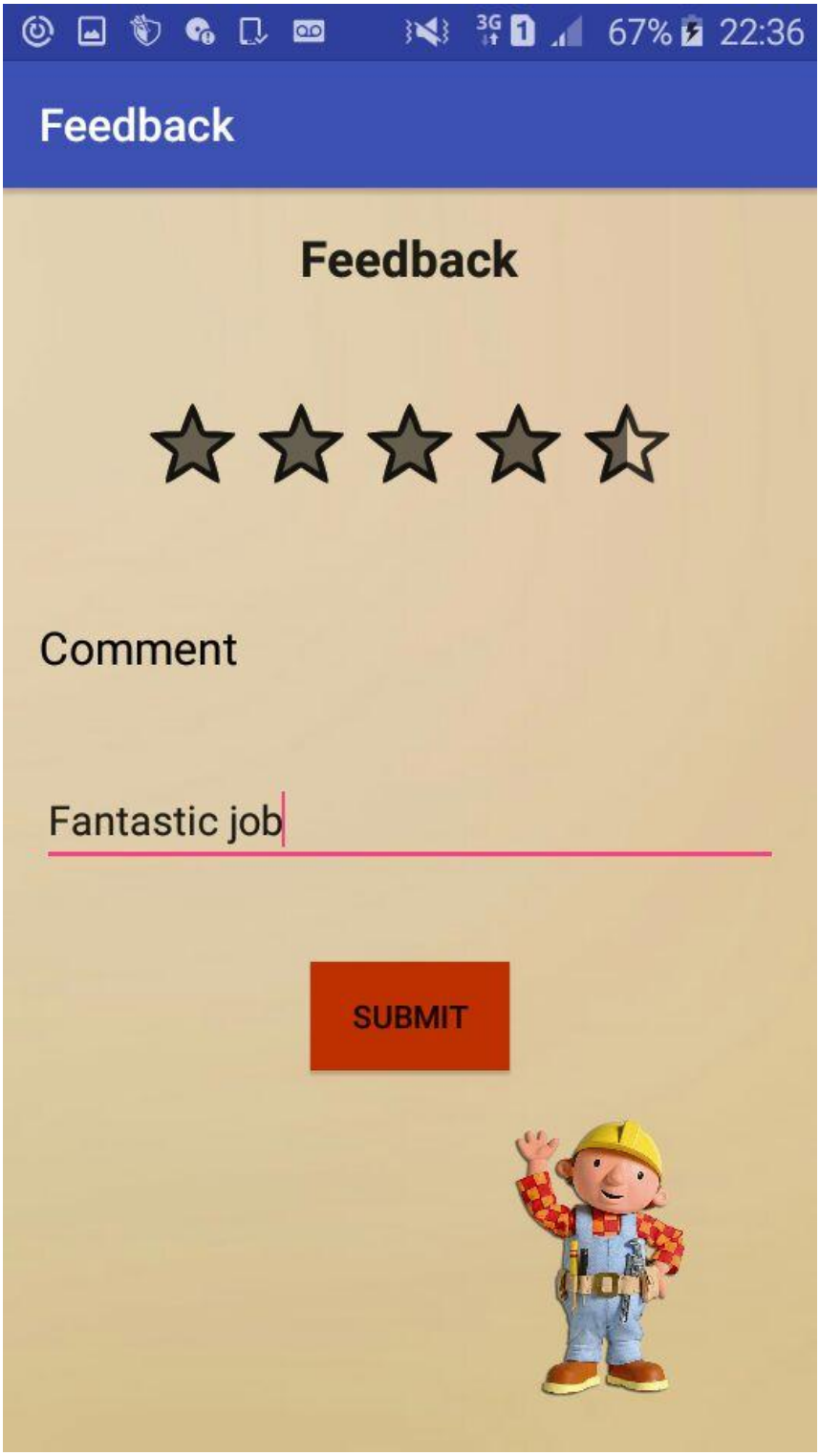
User Registration Page:



Technician Registration Page:

Technician Details:

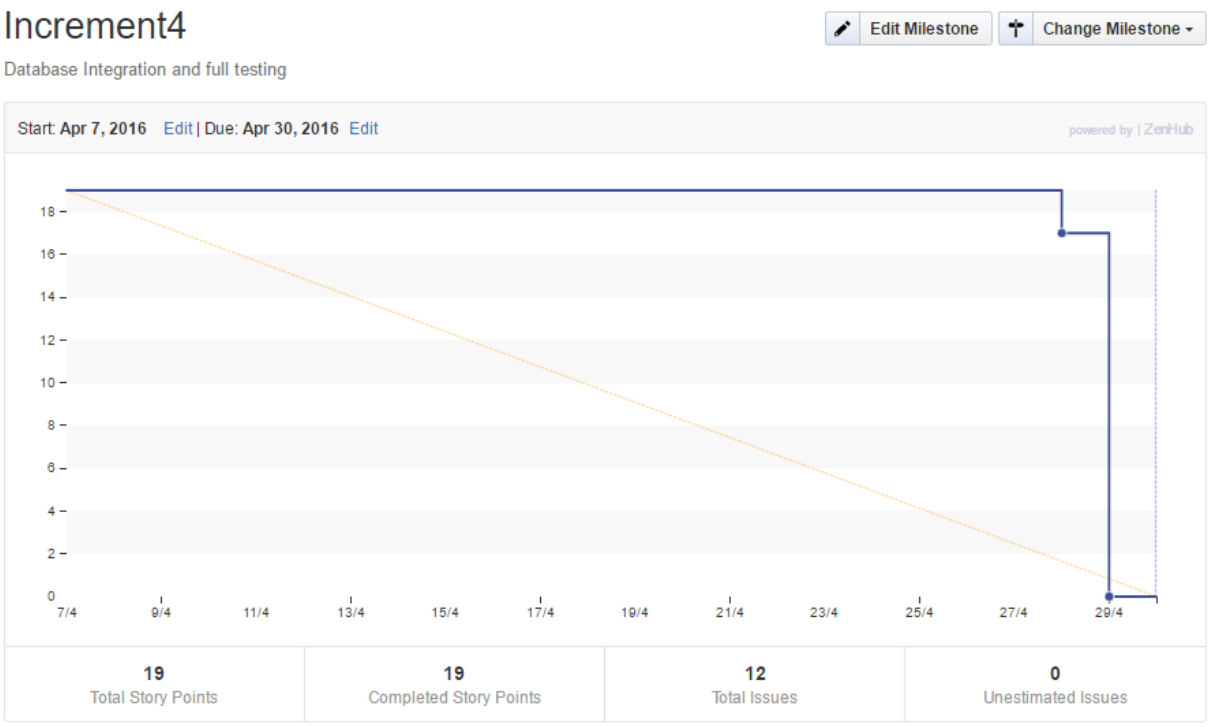
Feedback Page:



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

Project Management:

- **Work completed:**
  In this Increment, Feedback feature has been added to the application. When entered the username in the forgot password page, the password will be sent to the registered mobile number as a text message. UI of the whole application has been improved. Thus, all the required features those are mentioned at the start of the project are implemented which implies the output of this increment is the full fledged application with all the features functioning successfully.



Increment4

Repository	Issues	Story Points
ASE-Spring2016-FindYourTechnician	#56 Social Login	2
ASE-Spring2016-FindYourTechnician	#55 Database integration in Feedback page	2
ASE-Spring2016-FindYourTechnician	#53 UI Beautification	2
ASE-Spring2016-FindYourTechnician	#52 Forgot Password	2
ASE-Spring2016-FindYourTechnician	#51 Integration and system testing	2
ASE-Spring2016-FindYourTechnician	#48 Documentation	2
ASE-Spring2016-FindYourTechnician	#46 Technicians List Display	2
ASE-Spring2016-FindYourTechnician	#57 Data insertion and wireframes	1
ASE-Spring2016-FindYourTechnician	#54 Creating Feedback Page	1
ASE-Spring2016-FindYourTechnician	#50 User stories	1
ASE-Spring2016-FindYourTechnician	#49 Creating issues and Test cases	1
ASE-Spring2016-FindYourTechnician	#47 Technician Details	1

Bibliography:

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