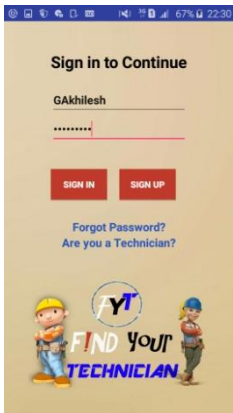



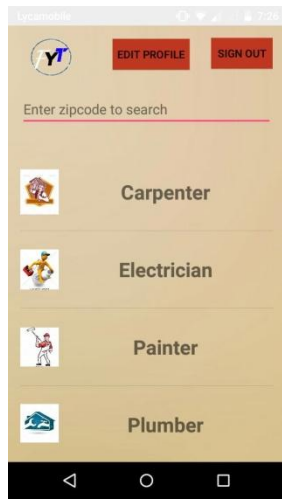
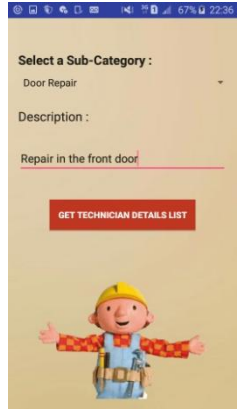
# Project Deployment

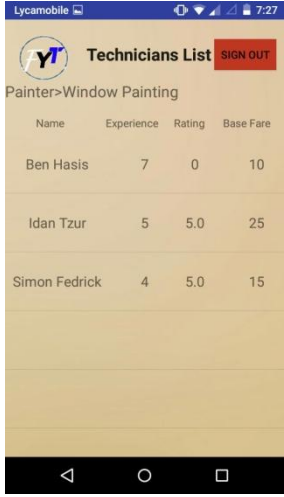


## Introduction:




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.

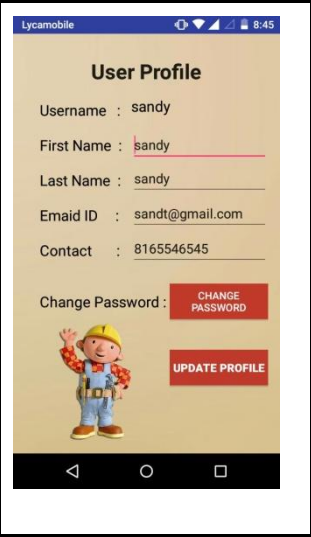
## How to use the system:

Page Name	Usage	Screenshot	Comment
User Sign in	A User can Sign in with the credentials with which he had registered		

User Registration	A User needs to be registered before signing in by clicking Signup button		
Home	The home page will automatically search your location and also provides a facility to enter the zip code to search the required Technician in that particular location along with the type technicians		Clicking on the particular technician type will redirect to the next step in the process
SubCategory Page	You have the flexibility of choosing what problem you have in order to estimate the cost of repair		If you didn't find the problem you have, in those options, you can describe your problem in the below description

Technicians list	<p>The list of technicians near the location for the particular category are populated along with their base fare and experience</p>		<p>You can choose the technician by both experience and rating then click on the particular tab to get the complete details</p>
Technician details	<p>This page will give you the whole information about the technician you have chosen so that you can contact him</p>		<p>You have a call button beside the contact number which gives a facility to call him at that instance</p>
Feedback	<p>You have an opportunity to rate the technician after the required job done by clicking on the feedback button</p>		<p>Apart from giving a rating out of 5, you can also comment on his work</p>

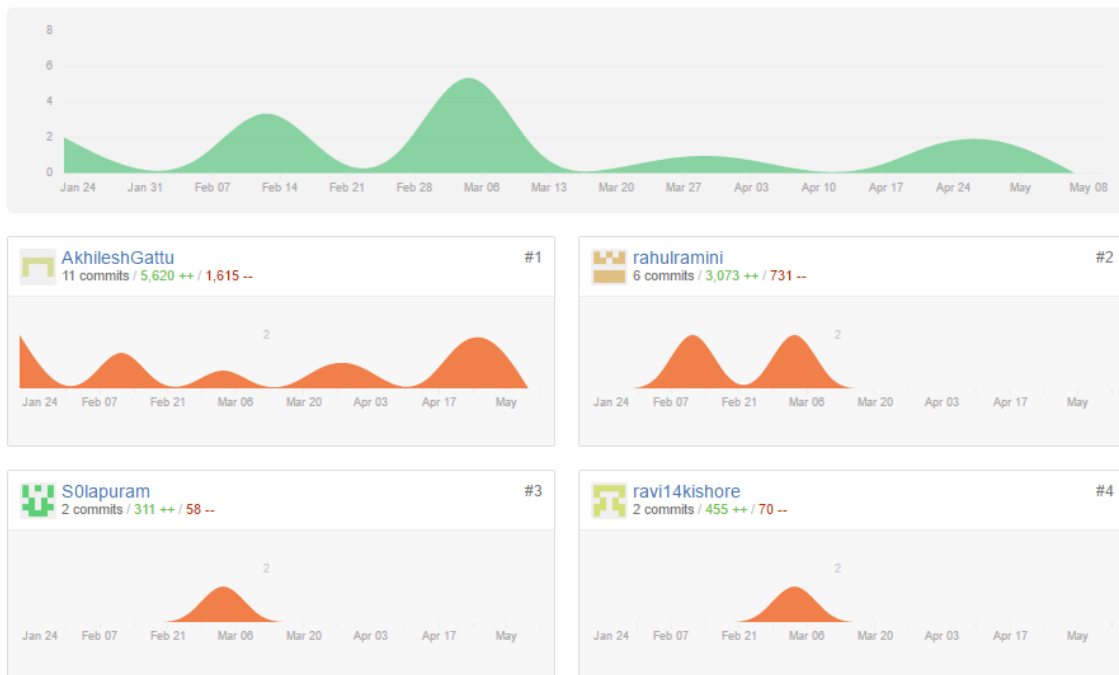
Technician Registration (Step 1)	This app provides an opportunity even for Technicians to register themselves and be a part of the list by clicking on 'Are you a Technician' link		There is also another step in this process that appears by clicking Next button
Technician Registration (Step 2)	At the time of Registration Technician needs to provide the cost that he charge per each problem		The type of problems will automatically displayed based on the Technician Category chosen in the before step
Forgot Password	You have an option with link 'forgot password' on Signin page which by clicking on it asks to provide the username and the password is sent to the registered mobile number		The user must remember his username in order to get the account password <b>(Both Technician and User can get their password in the same way)</b>

<p>Edit Profile</p>	<p>User can have the option of Editing his Profile details and can also change the password</p>		<p>Username once set cannot be changed at any time</p>
---------------------	---	--	--

# Project Management

## Project Management Report:

The work is divided equally among the four members and everyone in the team had satisfied their corresponding requirements division making sure that they have given their total effort in contributing to the project.

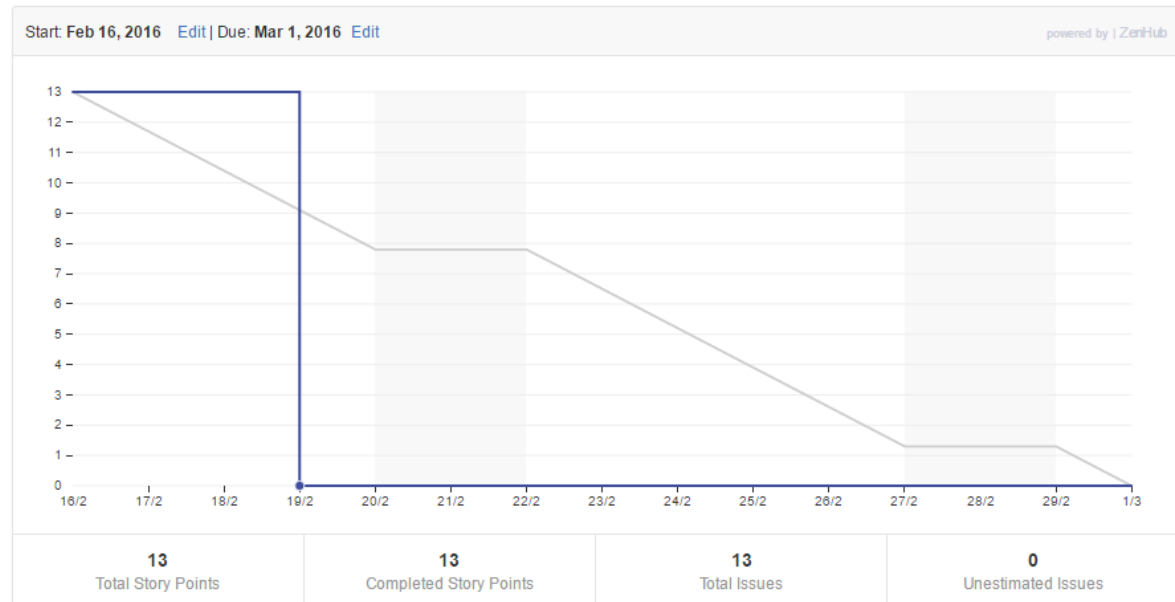


All the Increments are properly planned and the all the tasks are completed before the deadline of their corresponding Increment/Milestone.

## Plan & Increment 1

[Edit Milestone](#) [Change Milestone](#)

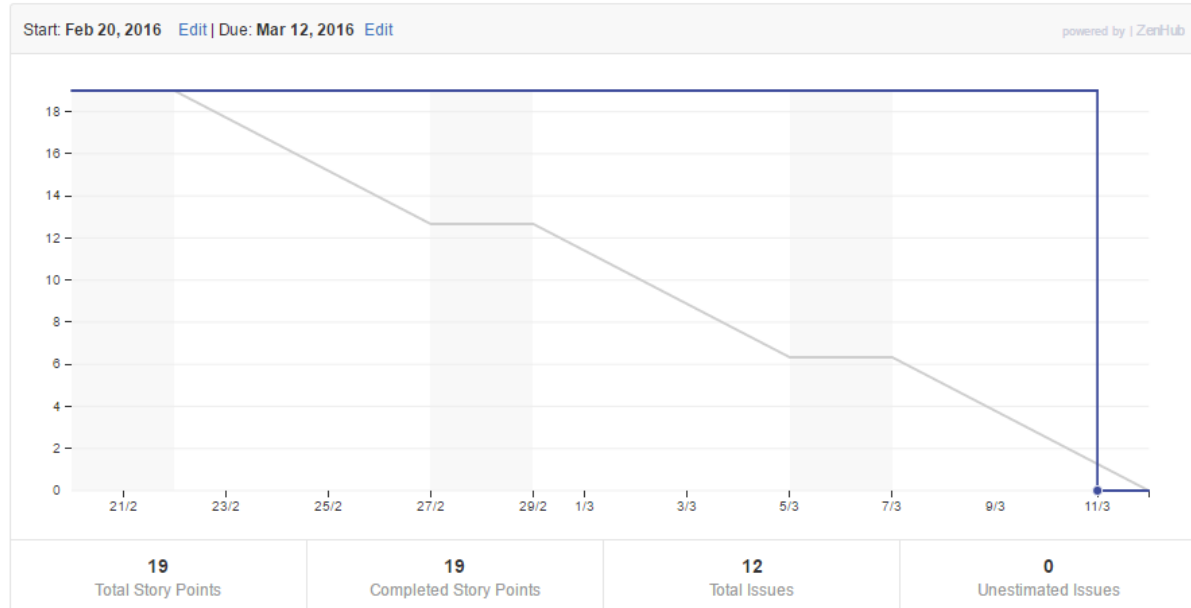
This milestone includes Revised project proposal, Project plan and First Increment Report



## Increment2

[Edit Milestone](#) [Change Milestone](#)

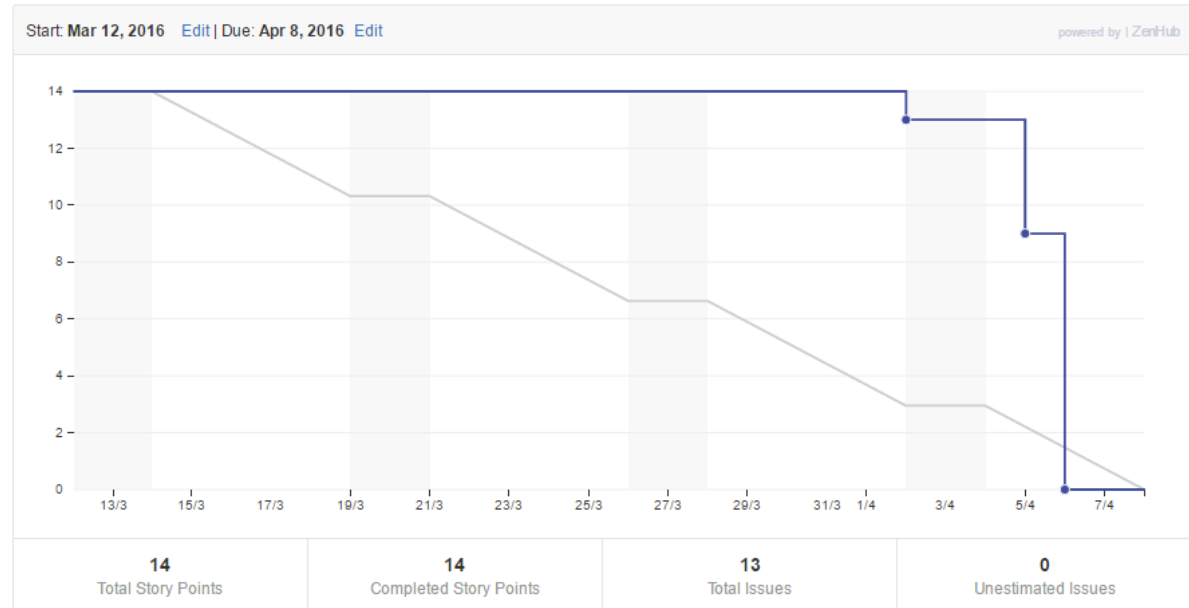
Activities Creation and Navigation



## Increment3

Data collection and Validation

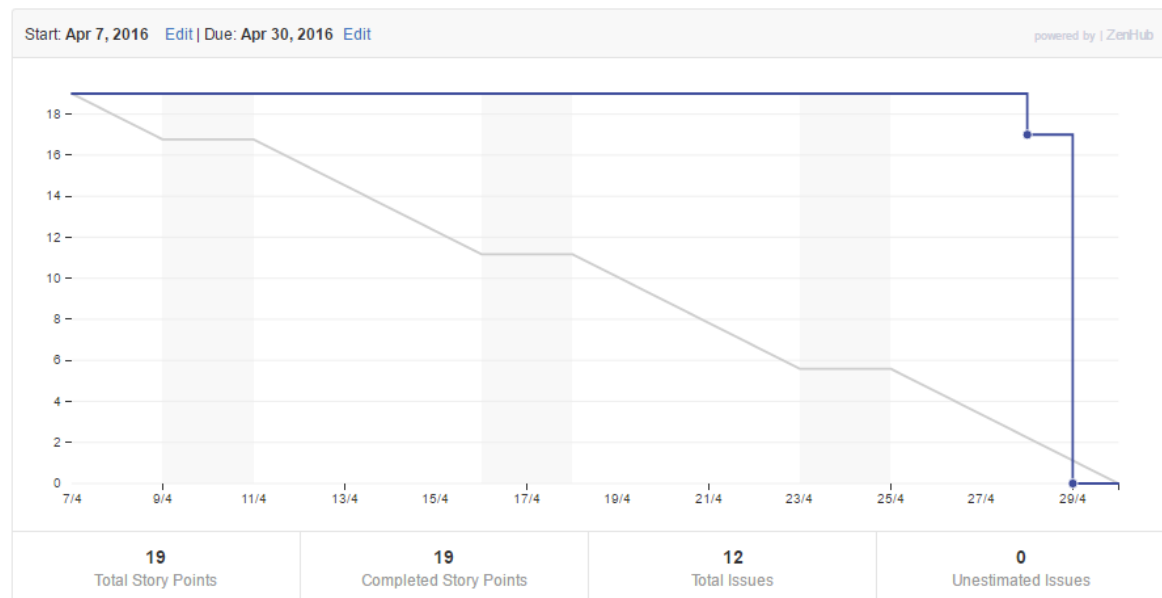
 Edit Milestone  Change Milestone ▾



## Increment4

Database Integration and full testing

 Edit Milestone  Change Milestone ▾





**Final Project Evaluation:**

At the time of Project Proposal, all the requirements those we needed to be implemented are successfully implemented and also gave us the satisfaction. At the time of implementation it also helped in implementing new ideas which gave the application much required uniqueness.

Though we were not sure enough at the time of designing, the agile process gave us the flexibility to implement the necessary changes at each and every step. There was a great coordination among the Team members which helped us to complete the project smoothly. There were no issues with the schedule of the course with respect to the project.

# Project Plan

**Group Number: Team 6**

**Project Title: Find Your Technician**

**Group Members:**

- Akhilesh Gattu (13)
- Nagi Reddy Sollapuram (53)
- Rahul Ramini (50)
- Sree Ravi Kishore Lellapalli (23)

**Project Goal and Objectives:**

➤ **Motivation :**

- 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.

➤ **Significance/Uniqueness :**

- This application has its own significance as it provides a complete profile of the technician which includes his experience, cost estimation based on the subcategory of the problem selected. Technicians can register themselves through this application by creating their own profile even though the further process of updating their name to the search list is done after an offline verification.

➤ **Objectives :**

- 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.

➤ **Specific Features**

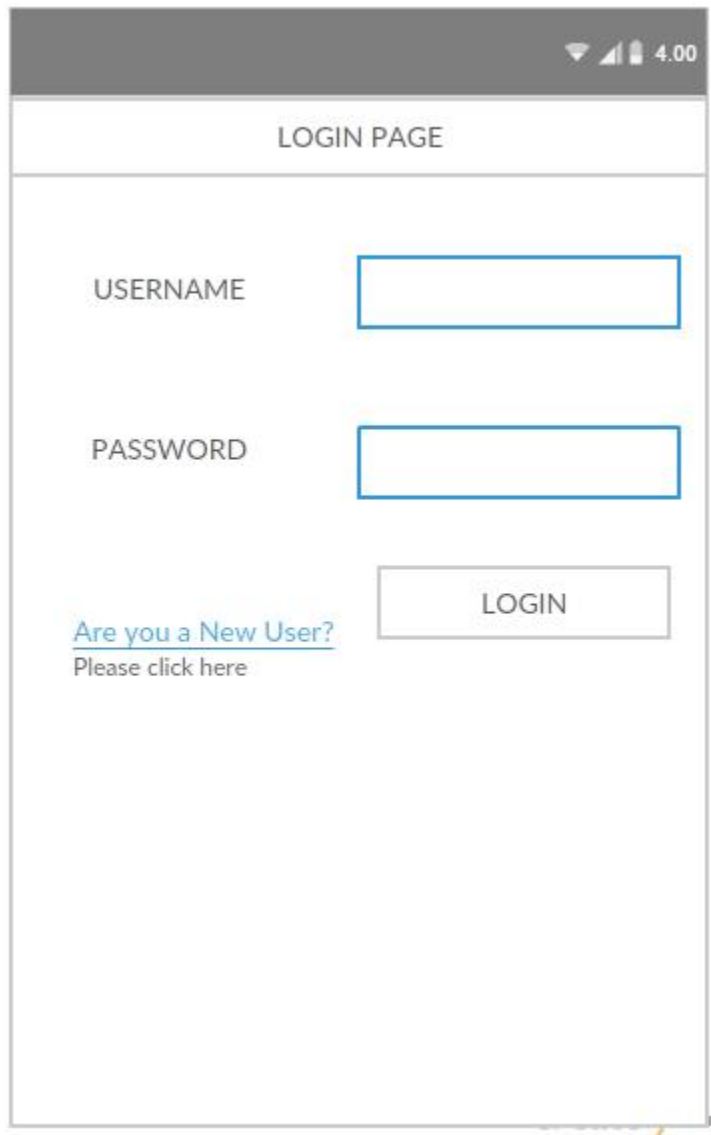
- o User Registration
- o User Login
- o Provides an option to Select Location
- o Select Technician
  - Plumber
  - Carpenter
  - Electrician
  - Painter
  - Mechanic
- o Flexibility of providing unlisted subcategory of the problem
- o Cost Estimation
- o User can provide Feedback
- o Technician Registration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

# First Increment

## Detail Design of Features :

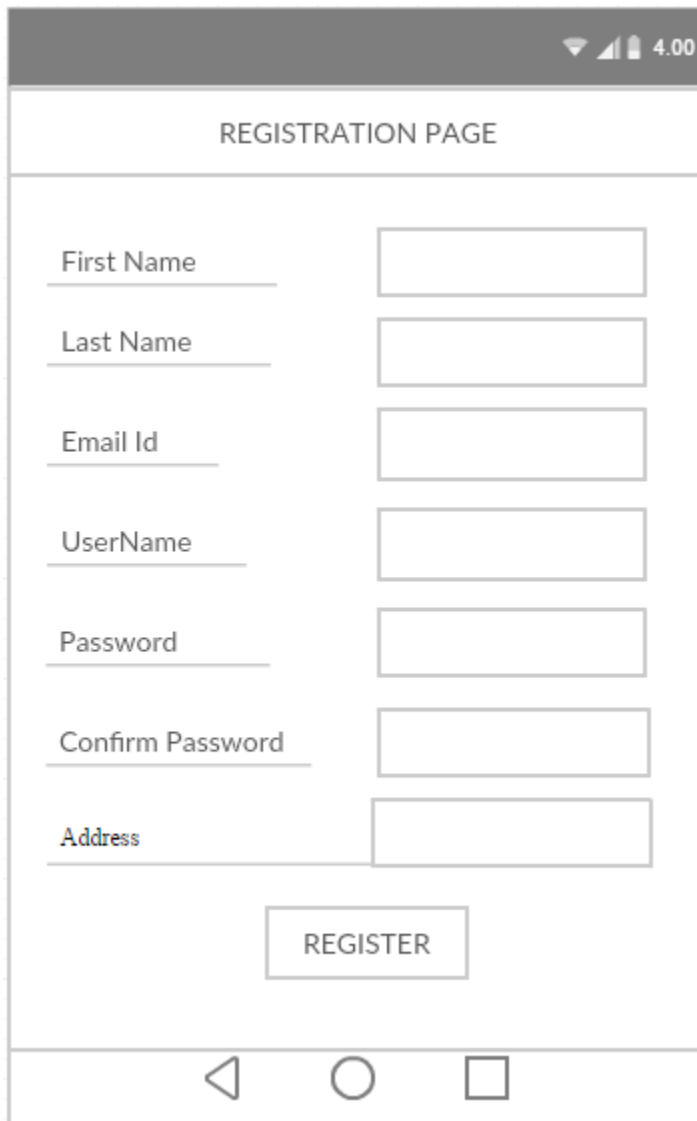
- **Wireframes :**

Login Page Activity :



The wireframe illustrates a mobile application's login screen. At the top, a dark grey status bar displays icons for Wi-Fi, cellular signal, and battery, along with the time '4.00'. Below this is a white header bar with the text 'LOGIN PAGE'. The main content area is white and contains three elements: a 'USERNAME' label followed by a blue-outlined text input field, a 'PASSWORD' label followed by a blue-outlined text input field, and a 'LOGIN' button with a grey border. To the left of the button is a link that reads 'Are you a New User?' in blue, with 'Please click here' in grey text below it. The entire wireframe is enclosed in a thin grey border.

## User Registration Activity:



A screenshot of a mobile application's registration page. The page has a dark grey header bar at the top with status icons (Wi-Fi, signal, battery) and the time '4.00'. Below the header is a white title bar with the text 'REGISTRATION PAGE'. The main content area is white and contains seven input fields, each with a label to its left: 'First Name', 'Last Name', 'Email Id', 'UserName', 'Password', 'Confirm Password', and 'Address'. Each label is underlined. To the right of each label is a corresponding rectangular input box. Below the input fields is a rectangular button labeled 'REGISTER'. At the very bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square.

REGISTRATION PAGE

First Name

Last Name

Email Id

UserName

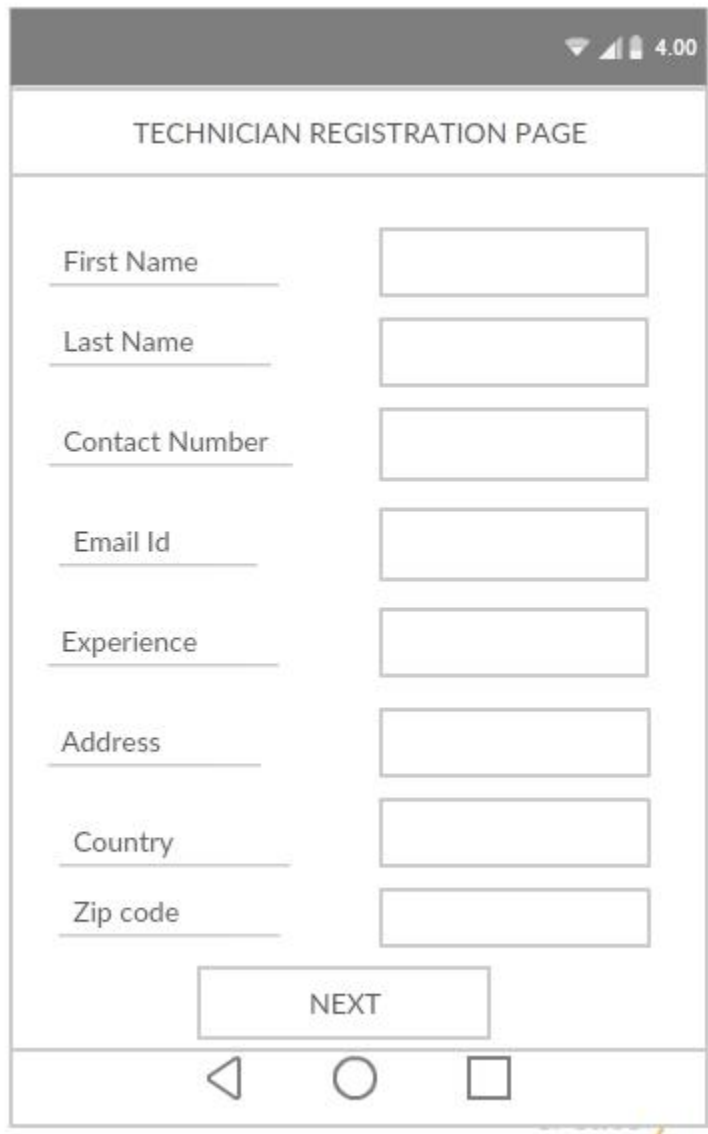
Password

Confirm Password

Address

REGISTER

### Technician Registration Activity:



The image shows a mobile application interface for technician registration. At the top, a dark status bar displays a Wi-Fi icon, signal strength bars, a battery icon, and the time 4:00. Below this is a white header bar with the text "TECHNICIAN REGISTRATION PAGE". The main content area is white and contains eight form fields, each with a label and a corresponding input box. The labels are "First Name", "Last Name", "Contact Number", "Email Id", "Experience", "Address", "Country", and "Zip code". Each label is underlined and positioned to the left of its input box. Below the input boxes is a "NEXT" button. At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square.

TECHNICIAN REGISTRATION PAGE

First Name

Last Name

Contact Number

Email Id

Experience

Address

Country

Zip code

NEXT

### Technician Experience Registration:

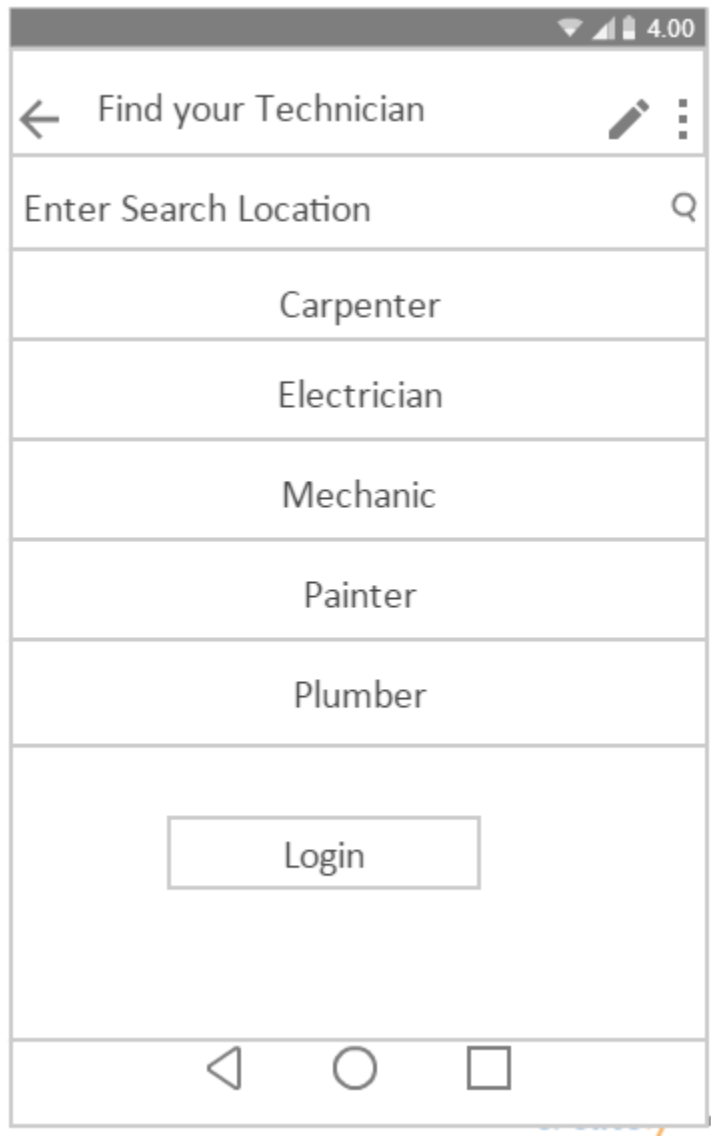
REGISTRATION PAGE-EXPERIENCE

Experience

Expertise

Minimum charges

### Location and Category Search Activity:



The screenshot shows a mobile application interface for finding technicians. At the top, there is a status bar with a Wi-Fi icon, signal strength bars, battery level, and the time 4:00. Below the status bar is a header bar with a back arrow icon, the text "Find your Technician", a pencil icon, and a three-dot menu icon. Under the header bar is a search bar with the placeholder text "Enter Search Location" and a magnifying glass icon. Below the search bar are five buttons for technician categories: "Carpenter", "Electrician", "Mechanic", "Painter", and "Plumber". Below these buttons is a "Login" button. At the bottom of the screen is an Android navigation bar with a back arrow, a circle, and a square icon.

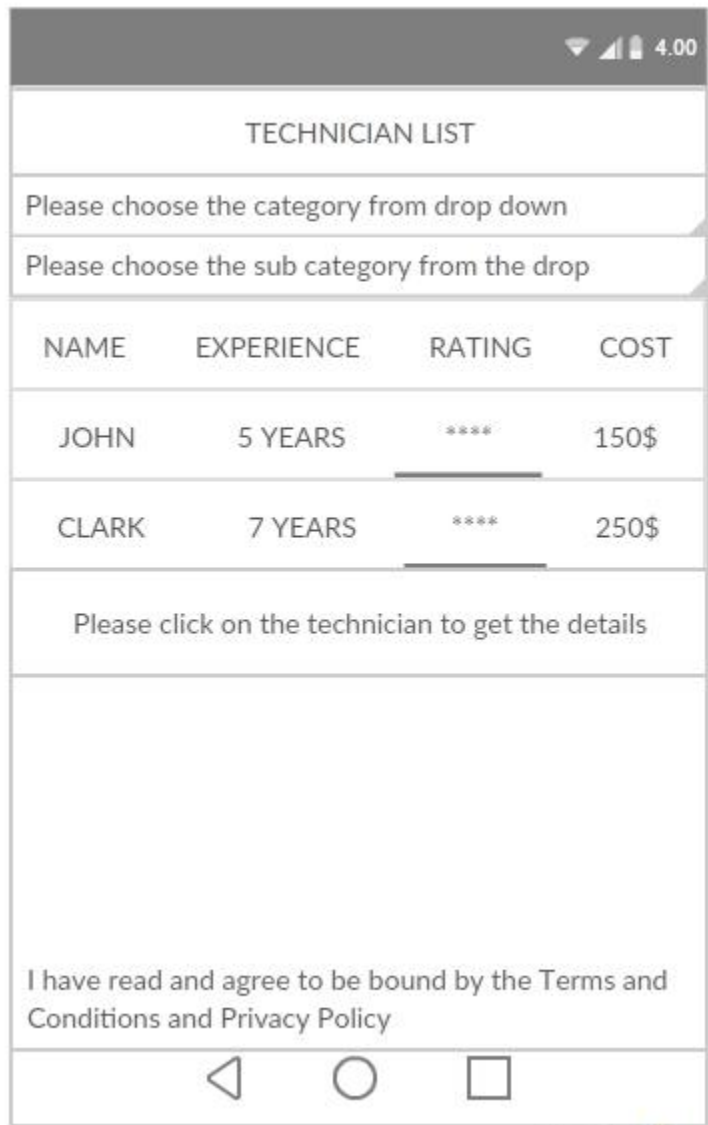
Find your Technician
Enter Search Location
Carpenter
Electrician
Mechanic
Painter
Plumber
Login



### Sub-Category search Activity:

The image shows a mobile application interface for finding a technician. At the top, there is a status bar with a Wi-Fi icon, signal strength bars, battery level, and the time 4:00. Below the status bar is a header bar with a back arrow, the text 'Find your Technician', a pencil icon, and a three-dot menu icon. The main content area is divided into two sections: 'Select Sub Category' and 'Description'. The 'Select Sub Category' section is a white box with a grey border and a small grey triangle at the bottom right. The 'Description' section is a larger white box with a grey border. At the bottom of the screen is an Android navigation bar with three icons: a triangle, a circle, and a square.

### Results Page Activity:



The screenshot shows a mobile application interface with a dark status bar at the top displaying signal strength, battery level, and the time 4:00. The main content area is titled "TECHNICIAN LIST". Below the title are two dropdown menus for selecting a category and a sub-category. A table follows, listing technicians with columns for Name, Experience, Rating, and Cost. The table contains two rows: John (5 years, 4.5 rating, 150\$) and Clark (7 years, 4.0 rating, 250\$). Below the table is a button labeled "Please click on the technician to get the details". At the bottom, there is a text area for terms and conditions, a checkbox, and a standard Android navigation bar.

TECHNICIAN LIST

Please choose the category from drop down

Please choose the sub category from the drop

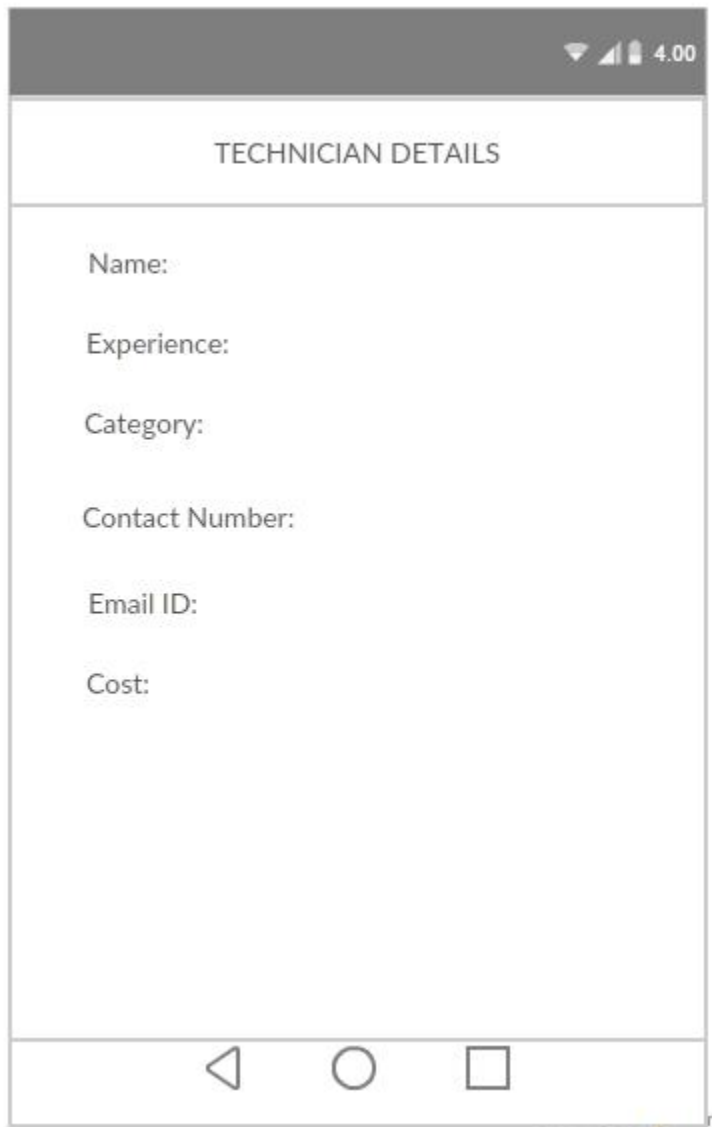
NAME	EXPERIENCE	RATING	COST
JOHN	5 YEARS	4.5	150\$
CLARK	7 YEARS	4.0	250\$

Please click on the technician to get the details

I have read and agree to be bound by the Terms and Conditions and Privacy Policy

☐

### Individual full details Page Activity:



The screenshot displays a mobile application interface for viewing technician details. At the top, a dark grey status bar shows a Wi-Fi icon, a cellular signal icon, a battery icon, and the time 4:00. Below this is a white header bar with the text 'TECHNICIAN DETAILS'. The main content area is white and contains a list of labels for technician information: 'Name:', 'Experience:', 'Category:', 'Contact Number:', 'Email ID:', and 'Cost:'. Each label is followed by a large, empty rectangular box for data entry. At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square. A small yellow and orange graphic is visible at the bottom right corner of the screen.

TECHNICIAN DETAILS

Name:

Experience:

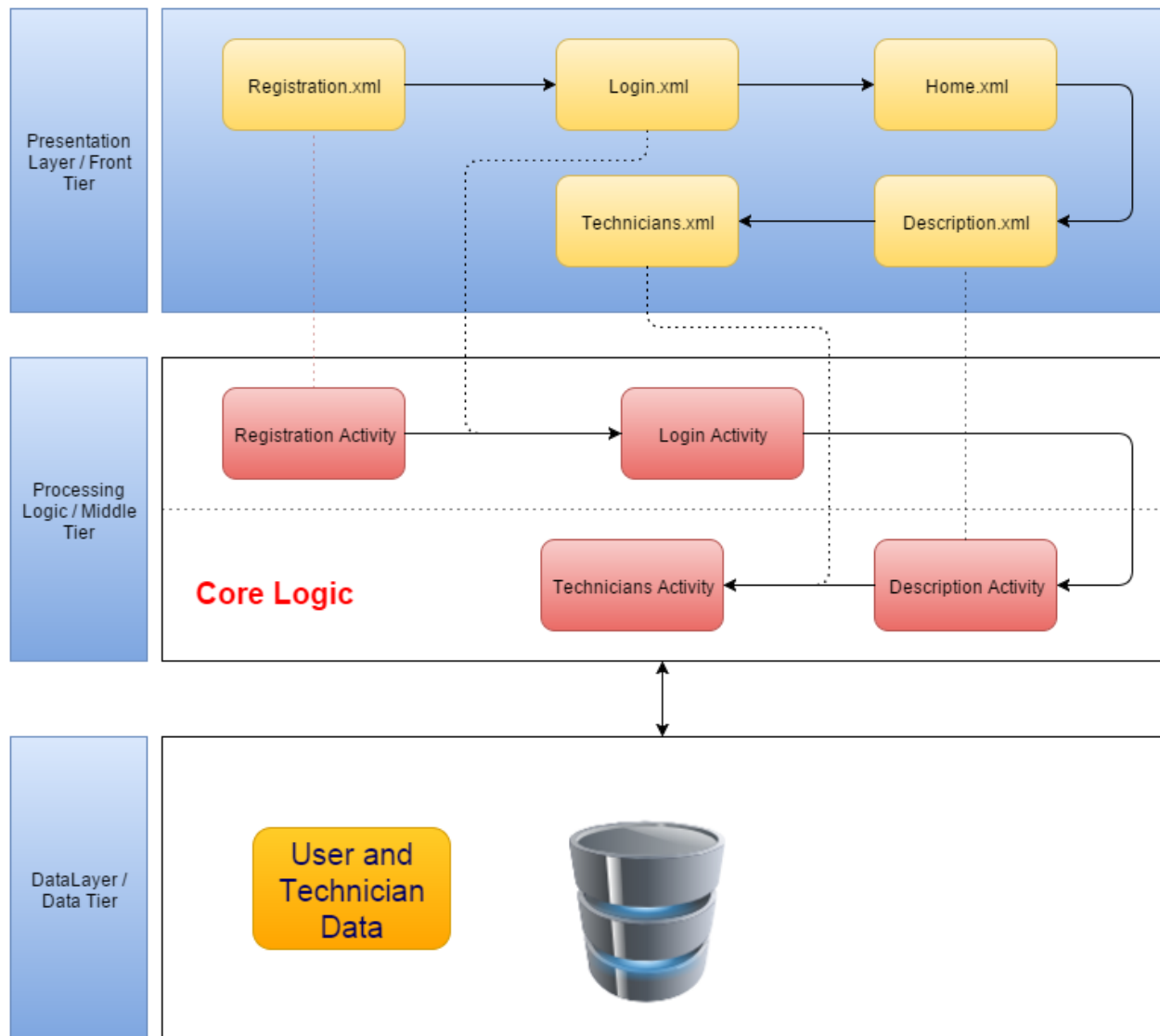
Category:

Contact Number:

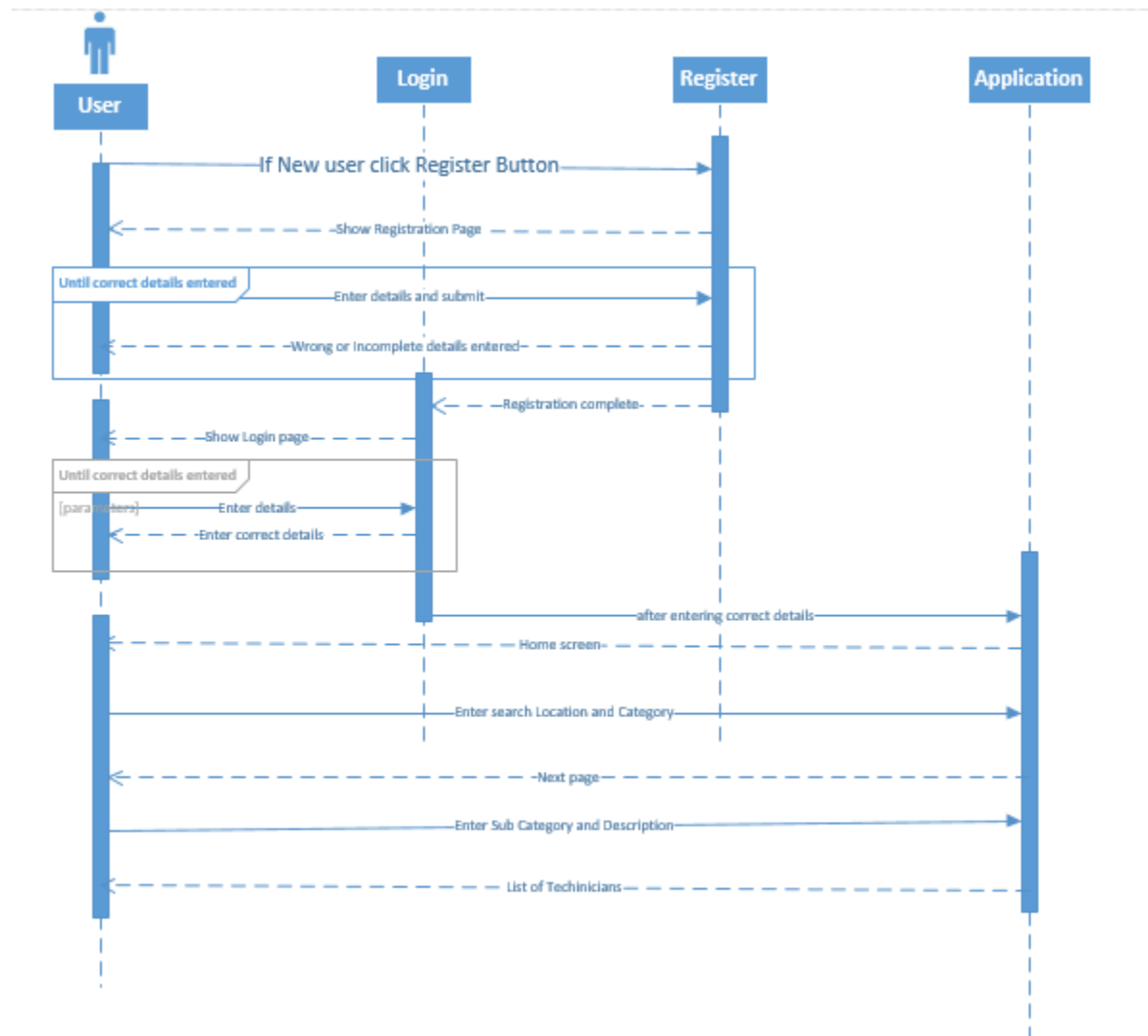
Email ID:

Cost:

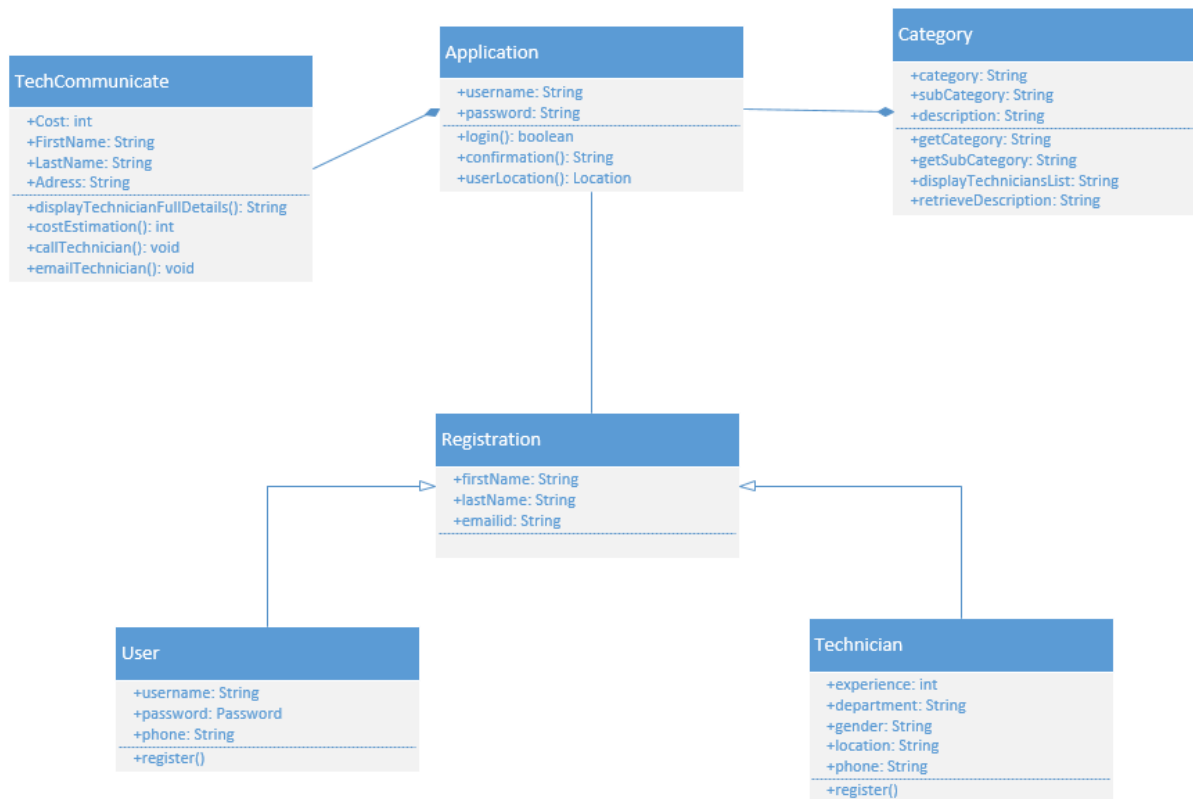
- **Architecture Diagram :**



- Sequence Diagram :



- **Class Diagram :**



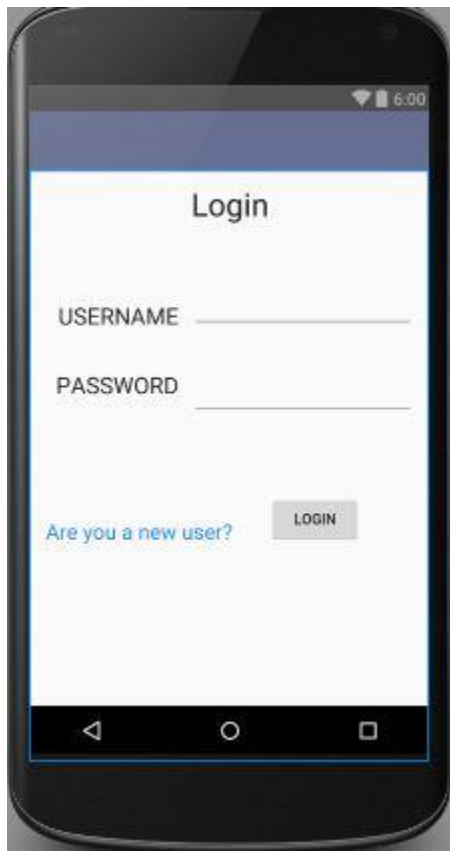
### **Implementation:**

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

### **User Registration Page:**



### User Login Page:





## Project Management:

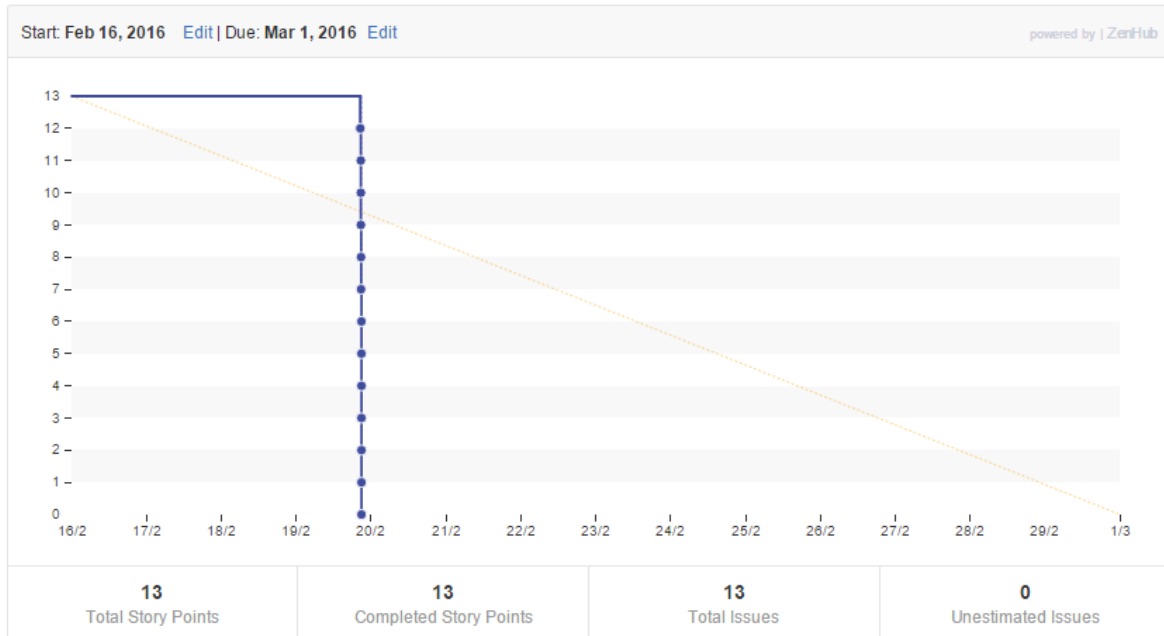
- **Work completed :**
















Creation of Login Page Activity and User Registration Activity along with the wireframes and UML Diagrams.

### Plan & Increment 1

 Edit Milestone  Change Milestone ▾

This milestone includes Revised project proposal, Project plan and First Increment Report



Issues	Story Points
 #14 Create User Registration Page	 1
 #12 login page	 1
 #11 Creation of Tasks/Issues	 1
 #10 User Stories	 1
 #9 Architecture Diagram	 1
 #8 Wireframes-4	 1
 #7 Wireframes-3	 1
 #6 Wireframes-2	 1
 #5 Wireframes-1	 1
 #4 Use cases	 1
 #3 Documentation	 1
 #2 UML sequence Diagram	 1
 #1 UML class diagram	 1

- **Work to be completed :**

**Bibliography :**

- <http://ziffi.com>
- <http://developer.android.com>

# Second 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:**

**Login Page:**

4.00

LOGIN PAGE

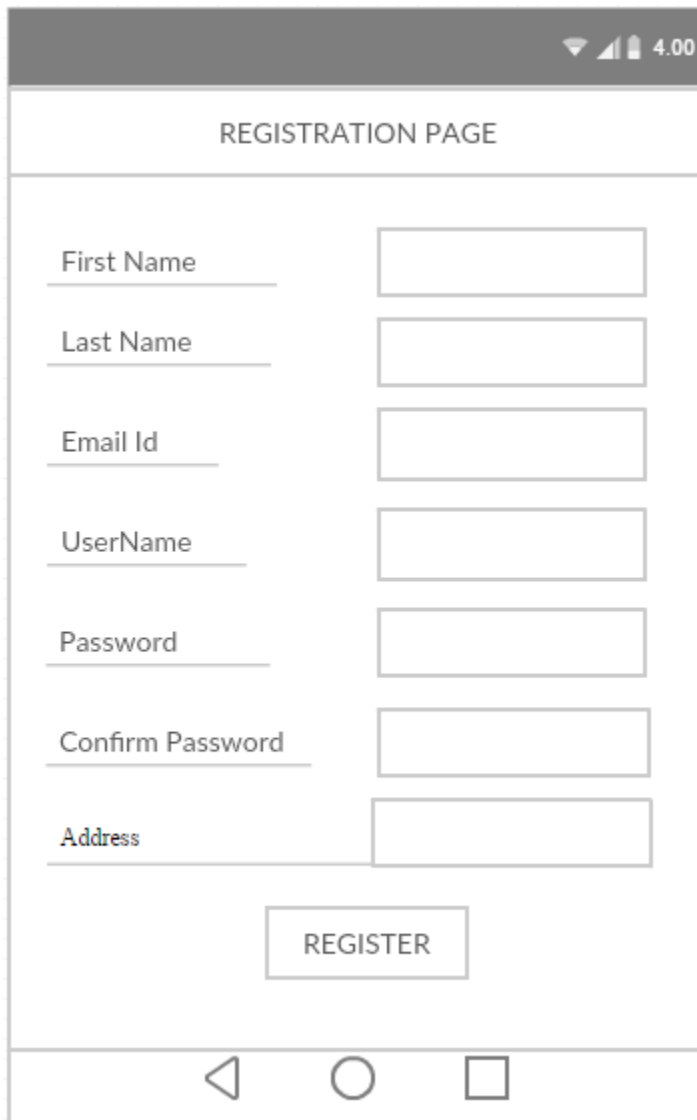
USERNAME

PASSWORD

[Are you a New User?](#)  
Please click here

LOGIN

## User Registration:



A mobile application registration form titled "REGISTRATION PAGE". The form includes input fields for First Name, Last Name, Email Id, UserName, Password, Confirm Password, and Address. A "REGISTER" button is located below the input fields. The interface features a dark grey header bar with status icons and a bottom navigation bar with standard Android icons.

REGISTRATION PAGE

First Name

Last Name

Email Id

UserName

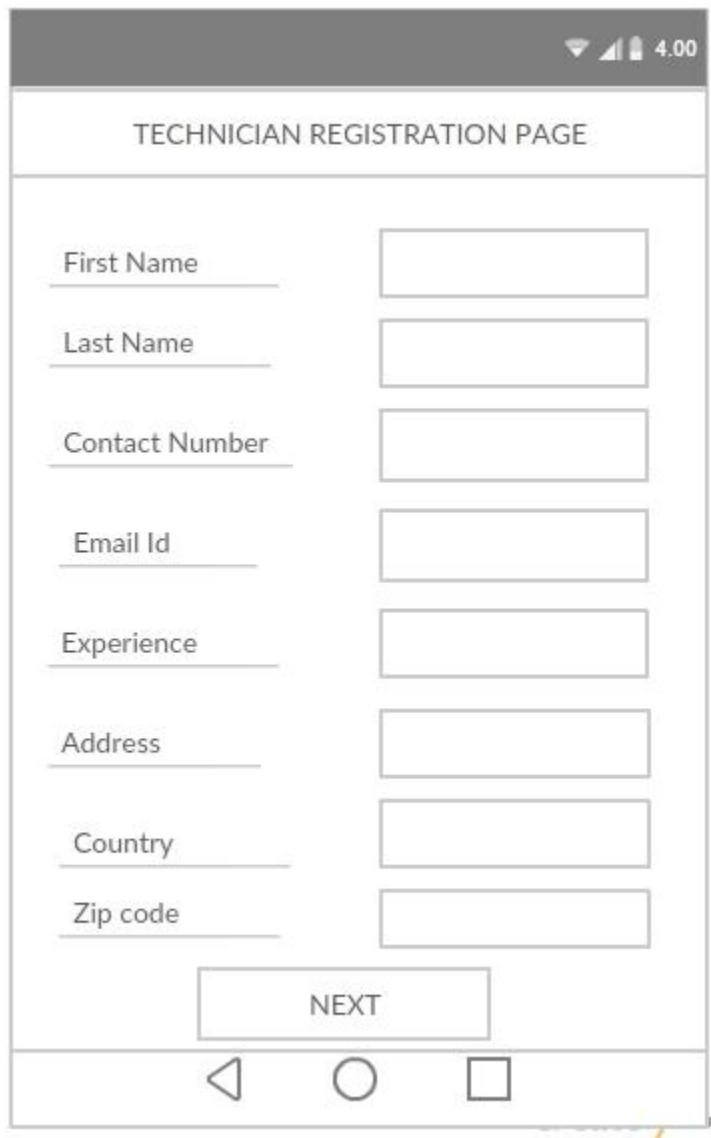
Password

Confirm Password

Address

REGISTER

## Technician Registration:



The image shows a mobile application interface for technician registration. At the top, a dark grey status bar displays a Wi-Fi icon, a cellular signal icon, a battery icon, and the time 4:00. Below this is a white header bar with the text "TECHNICIAN REGISTRATION PAGE". The main content area is white and contains eight form fields, each with a label and a corresponding input box. The labels are "First Name", "Last Name", "Contact Number", "Email Id", "Experience", "Address", "Country", and "Zip code". Each label is underlined. Below the form fields is a button labeled "NEXT". At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square.

TECHNICIAN REGISTRATION PAGE

First Name

Last Name

Contact Number

Email Id

Experience

Address

Country

Zip code

NEXT

### Technician Experience Registration:

REGISTRATION PAGE-EXPERIENCE

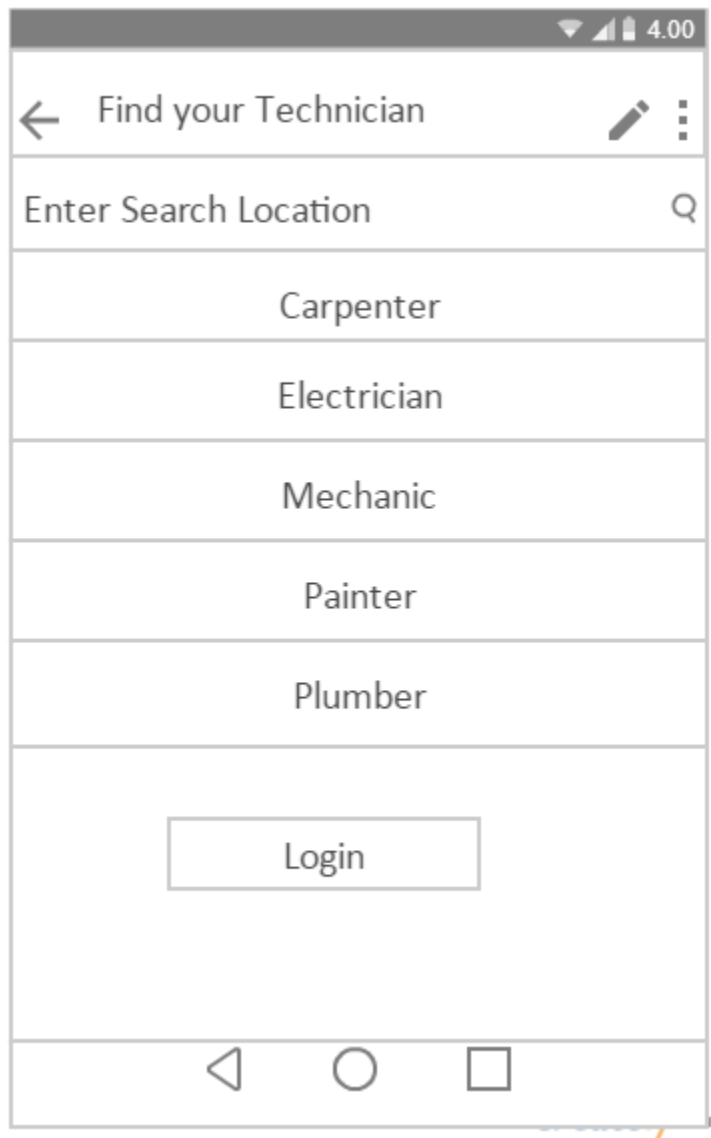
Experience

Expertise

Minimum charges



## Home Page:



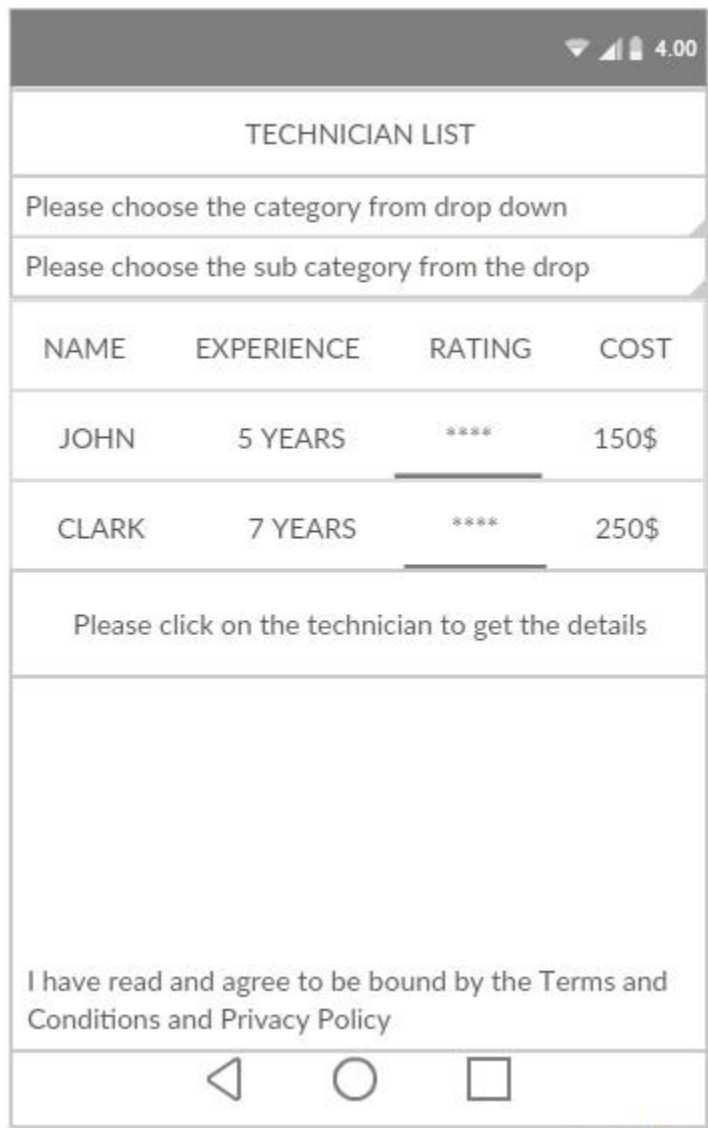
A mobile application interface for finding technicians. The screen has a dark status bar at the top with icons for Wi-Fi, cellular signal, and battery, and the time 4:00. Below the status bar is a header bar with a back arrow, the text "Find your Technician", a pencil icon, and a three-dot menu icon. Under the header is a search bar with the placeholder text "Enter Search Location" and a magnifying glass icon. Below the search bar are five buttons for different technician types: "Carpenter", "Electrician", "Mechanic", "Painter", and "Plumber". Below these buttons is a "Login" button. At the bottom of the screen is an Android navigation bar with back, home, and recents icons.

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

### Sub Category and Description:

The image is a wireframe of a mobile application interface. At the top, there is a dark grey header bar containing a back arrow, the text "Find your Technician", a pencil icon, and a menu icon. Below the header is a white box with the text "Select Sub Category". Underneath this is another white box with the text "Description". The bottom of the screen features a white bar with three icons: a back arrow, a circle, and a square. The entire interface is enclosed in a thin black border.

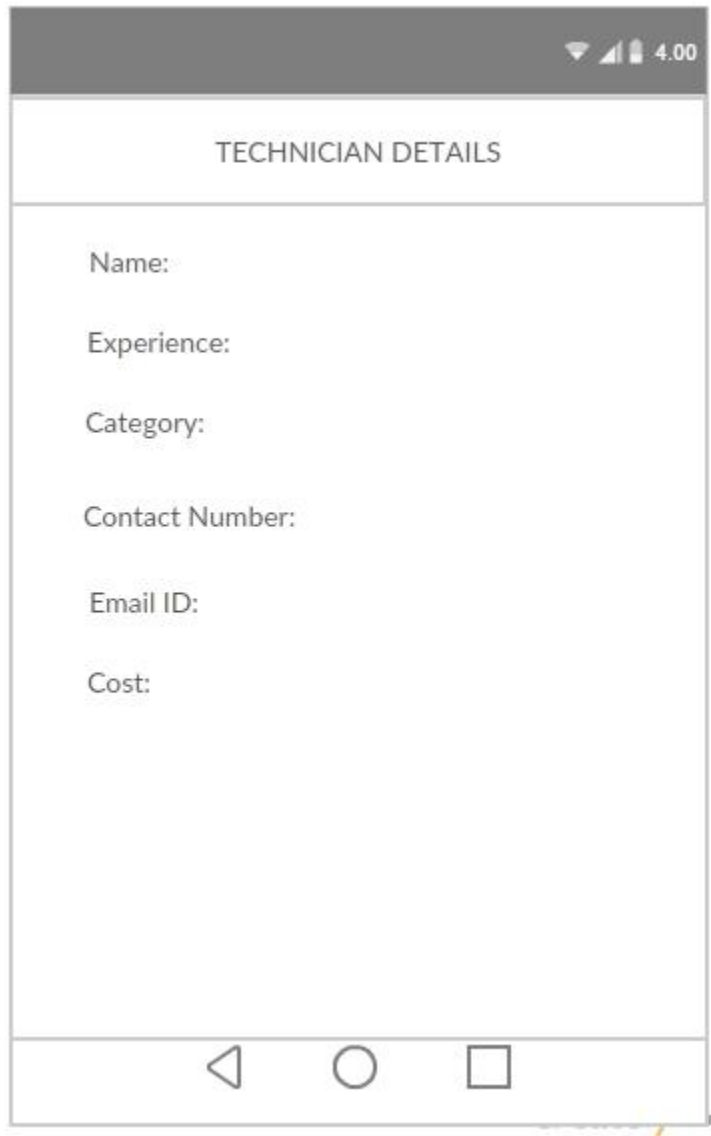
### Technician Results:



A screenshot of a mobile application interface. At the top is a dark grey status bar with icons for Wi-Fi, cellular signal, and battery, and the text '4.00'. Below this is a white header bar with the text 'TECHNICIAN LIST'. The main content area has a white background. It starts with two grey rectangular boxes containing the text 'Please choose the category from drop down' and 'Please choose the sub category from the drop'. Below these is a table with four columns: 'NAME', 'EXPERIENCE', 'RATING', and 'COST'. The table has two data rows: one for 'JOHN' with '5 YEARS' experience, a '\*\*\*\*' rating, and '150\$' cost; and one for 'CLARK' with '7 YEARS' experience, a '\*\*\*\*' rating, and '250\$' cost. Below the table is a grey rectangular box with the text 'Please click on the technician to get the details'. At the bottom of the screen is a white bar with the text 'I have read and agree to be bound by the Terms and Conditions and Privacy Policy' and three icons: a left-pointing triangle, a circle, and a square.

NAME	EXPERIENCE	RATING	COST
JOHN	5 YEARS	****	150\$
CLARK	7 YEARS	****	250\$

### Technician Details:



The image shows a screenshot of a mobile application interface. At the top, there is a dark grey status bar with icons for Wi-Fi, cellular signal, and battery, along with the time 4:00. Below this is a white header bar with the text "TECHNICIAN DETAILS". The main content area is white and contains six labels: "Name:", "Experience:", "Category:", "Contact Number:", "Email ID:", and "Cost:". Each label is followed by a large, empty text input field. At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square. The entire application is displayed on a black background.

TECHNICIAN DETAILS

Name:

Experience:

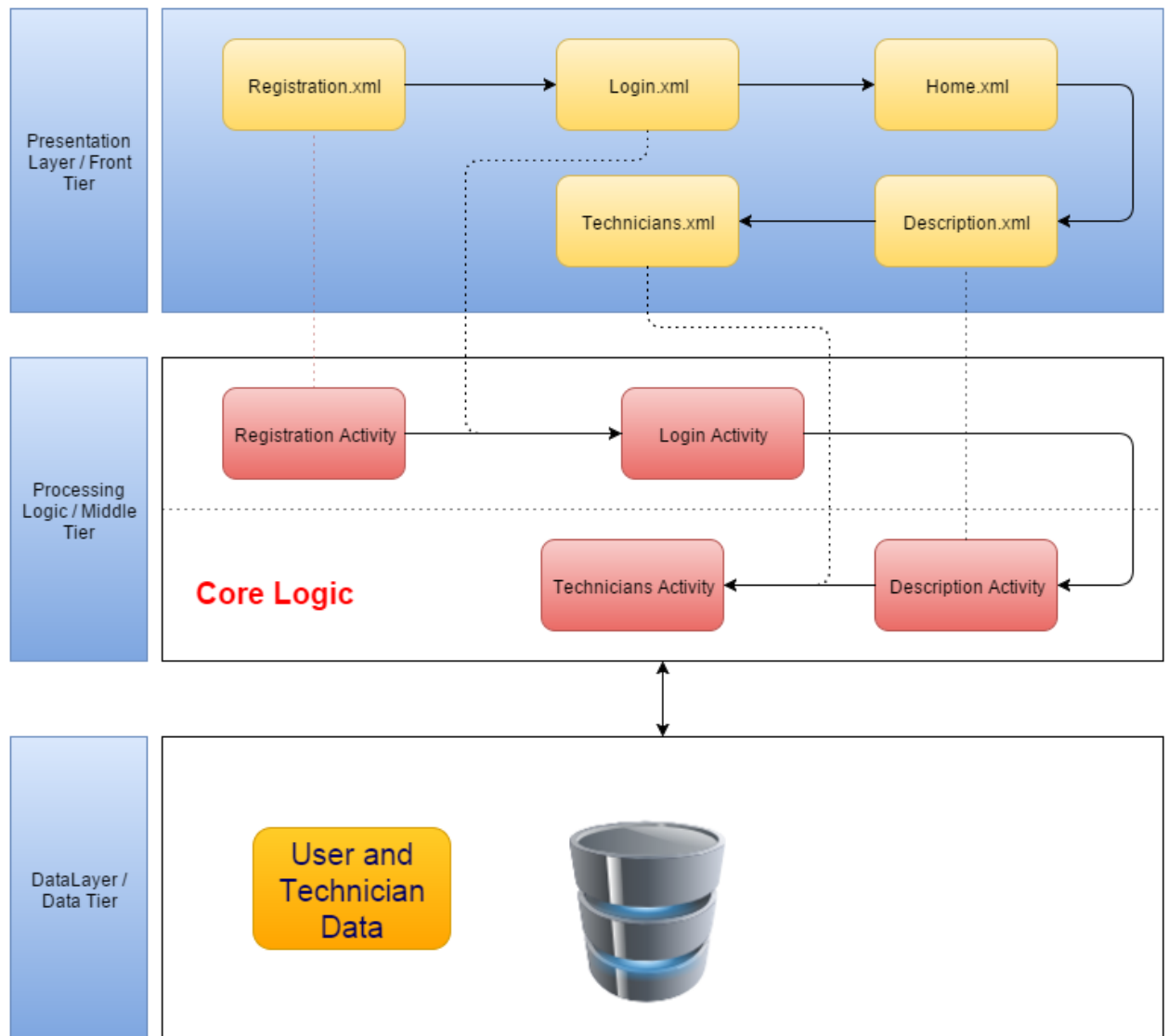
Category:

Contact Number:

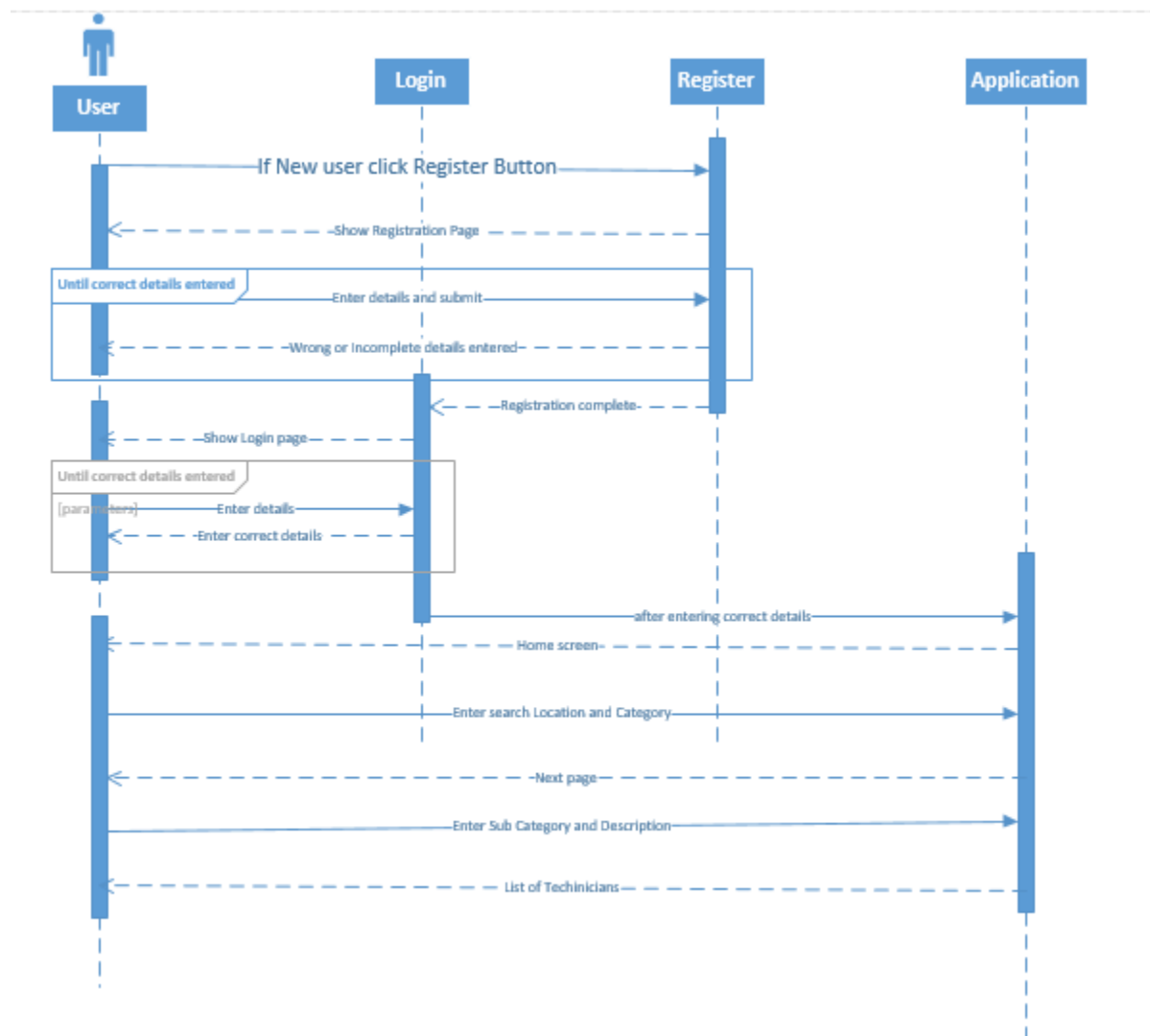
Email ID:

Cost:

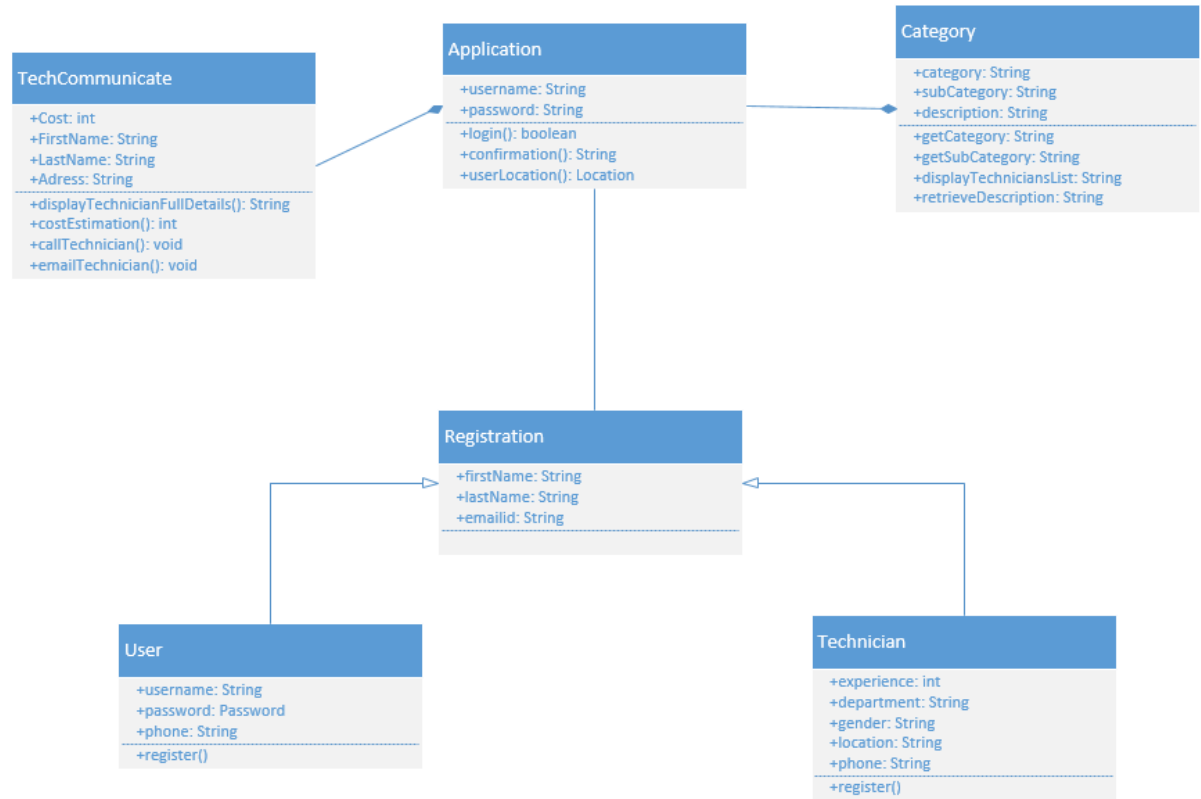
## Architecture Diagram:



## Sequence Diagram:



## Class Diagram:



## Use Cases:

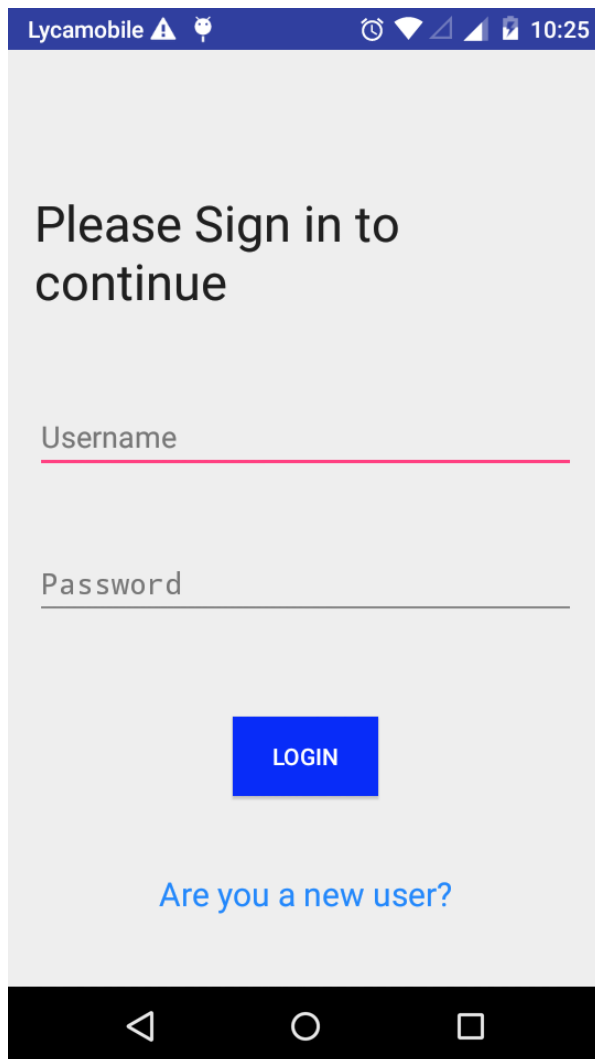
- **Technician Profile Registration:** Check user is able to give the full details to register to the account
- **Technician Experience Registration:** Check user is able to give the full details to register to the account
- **Home Page:** Check user is able to search for the required technician
- **Sub Category Page:** Check user is able to select the subcategory page

### 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

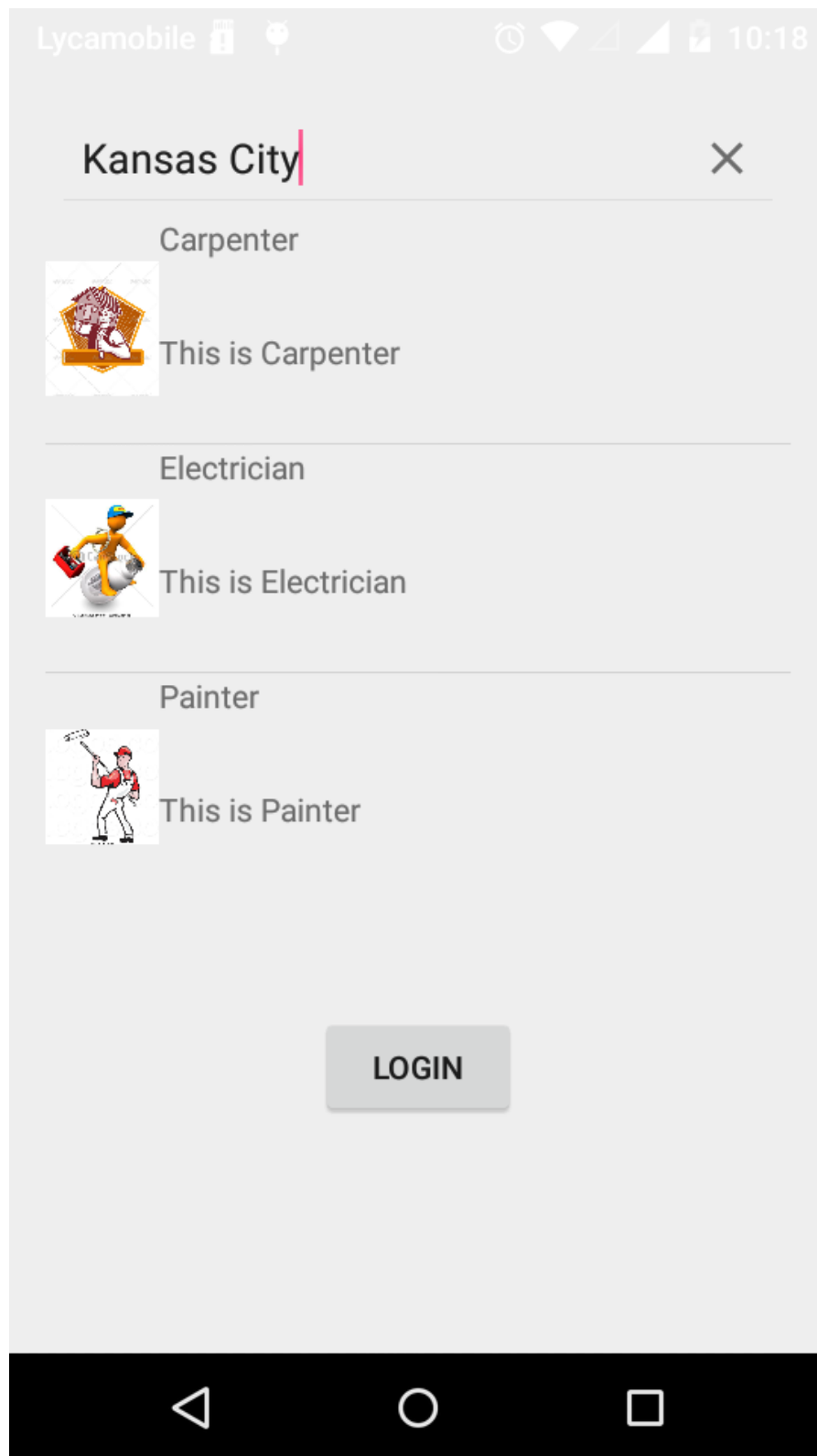
### Deployment:

### User Login:





## Home Page



**Technician Registration:**

Lycamobile



10:08

## FindYourTechnician

### Technician Registration

First name

Last Name

Email id

Contact

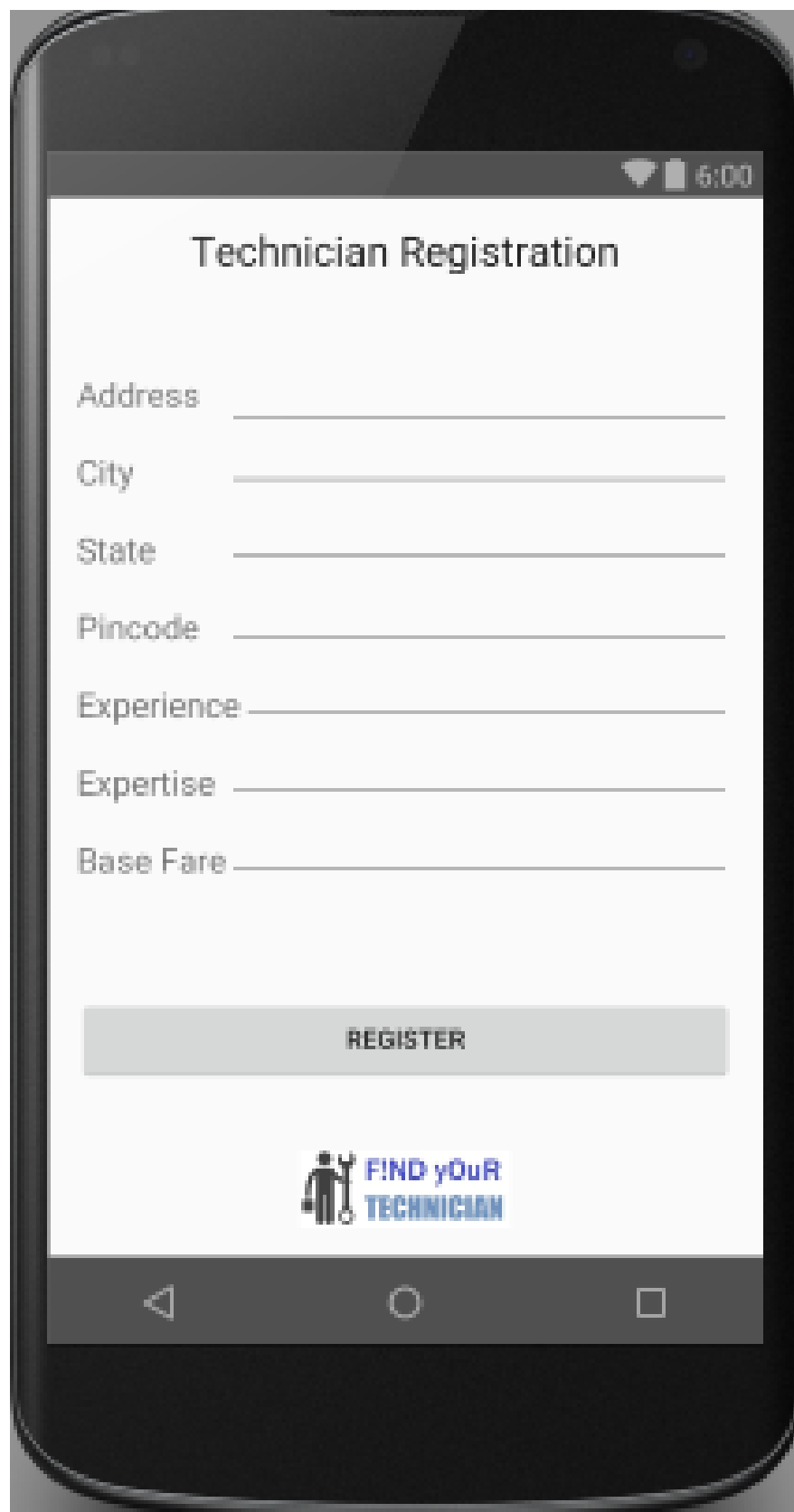
Username

Password

Confirm Password

NEXT





The image shows a smartphone screen with a registration form. The status bar at the top displays a Wi-Fi icon, a battery icon, and the time 6:00. The form is titled "Technician Registration" and contains several input fields. Below the form is a "REGISTER" button. At the bottom of the screen is an Android navigation bar with back, home, and recent apps icons. A logo for "FIND yOuR TECHNICIAN" is located at the bottom of the form area.

6:00

## Technician Registration

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_


Pincode \_\_\_\_\_

Experience \_\_\_\_\_

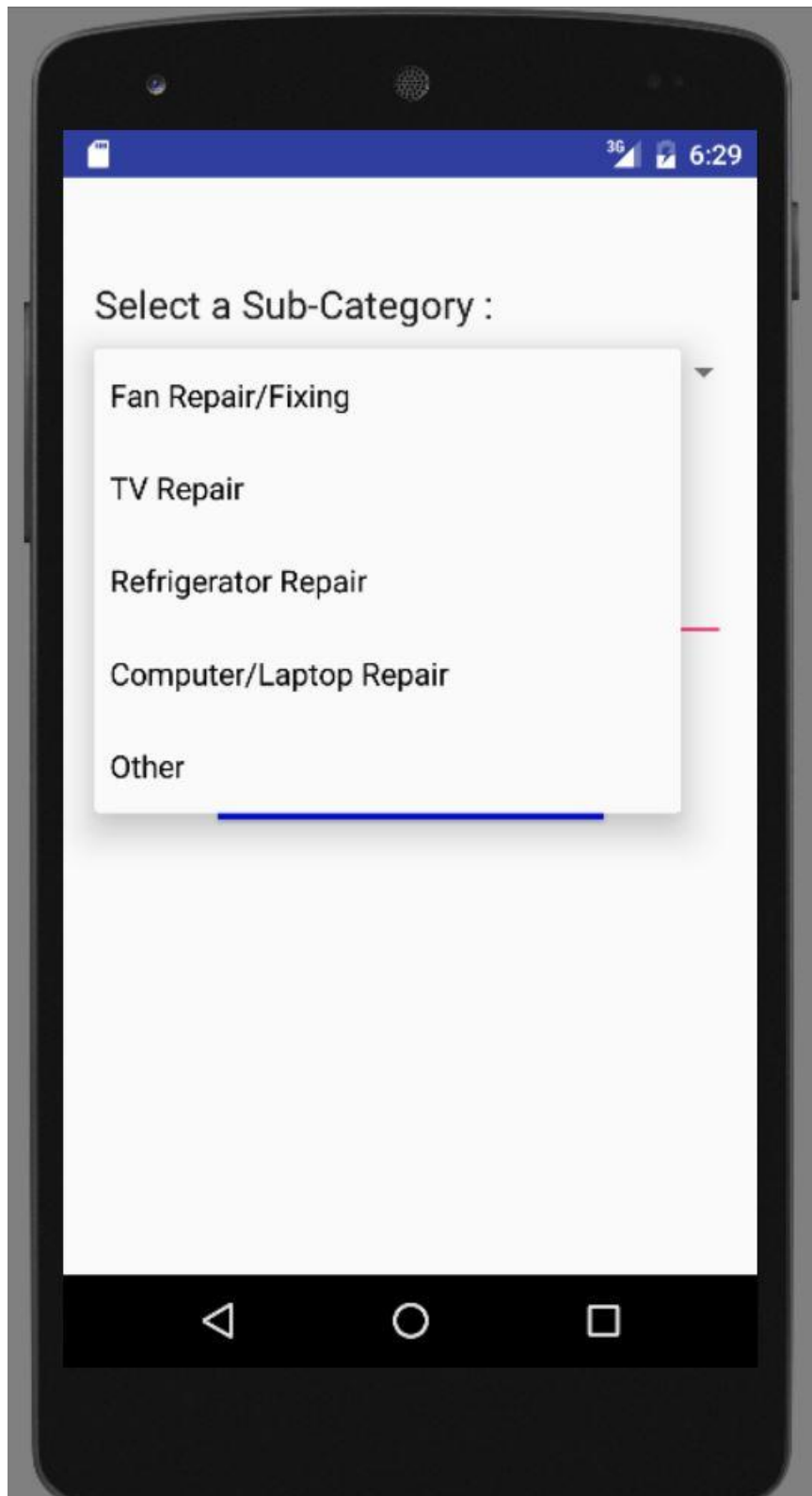
Expertise \_\_\_\_\_

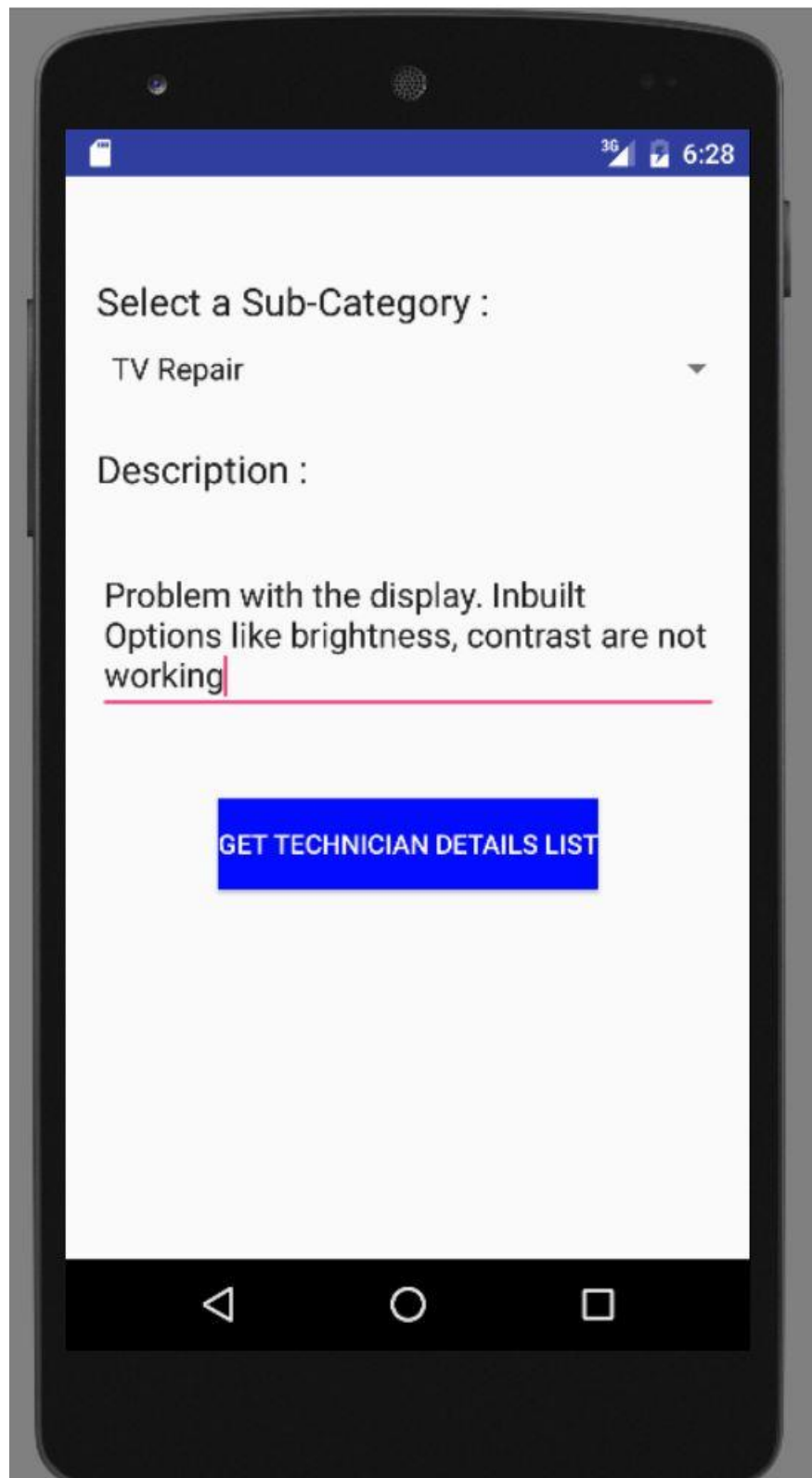
Base Fare \_\_\_\_\_

REGISTER

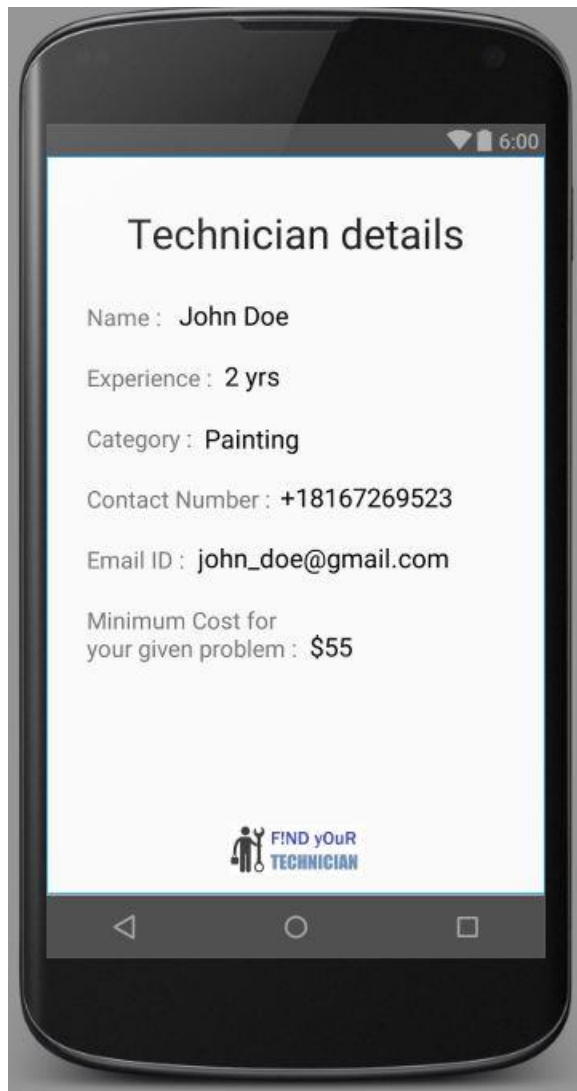
 **FIND yOuR  
TECHNICIAN**

**Sub Category:**





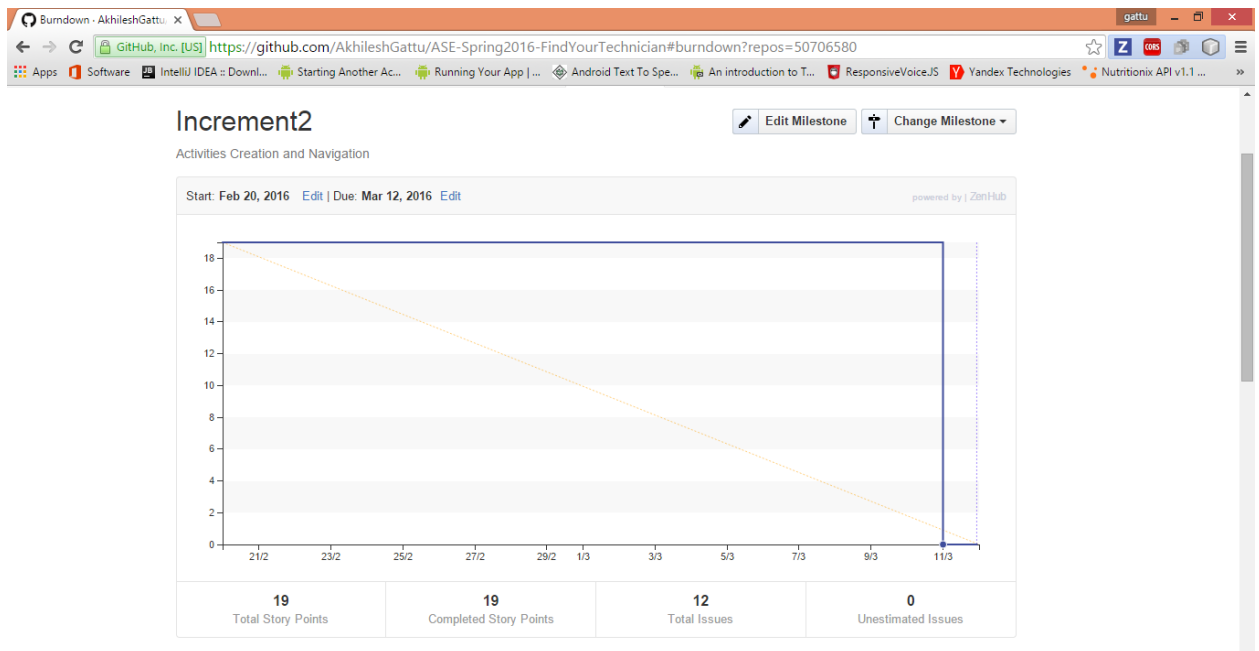
### Technician Details Page:



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

### Project Management:

- **Work completed:**  
Created Login Page, User Registration Page, Technician Registration, Home Page, Sub Category Page, and Technician Search Results Pages along with Architecture diagram, wireframes and UML Diagrams.



Burndown - AkhileshGattu X gattu

GitHub, Inc. [US] <https://github.com/AkhileshGattu/ASE-Spring2016-FindYourTechnician#burndown?repos=50706580>

## Increment2

Repository	Issues	Story Points
ASE-Spring2016-FindYourTechnician	#26 System Testing	2
ASE-Spring2016-FindYourTechnician	#20 Create Technician Search Results Page	2
ASE-Spring2016-FindYourTechnician	#19 Create Technician Details Page	2
ASE-Spring2016-FindYourTechnician	#18 Beautify Login Page	2
ASE-Spring2016-FindYourTechnician	#17 Beautify Registration Page	2
ASE-Spring2016-FindYourTechnician	#16 Create Sub Category Page	2
ASE-Spring2016-FindYourTechnician	#15 Create Home Page	2
ASE-Spring2016-FindYourTechnician	#25 Creating Issues and Test Cases	1
ASE-Spring2016-FindYourTechnician	#24 Taking Technician Experience Details	1
ASE-Spring2016-FindYourTechnician	#23 Create Technician Registration Page	1
ASE-Spring2016-FindYourTechnician	#22 Test Scenarios	1

## Work to be completed:

Collecting data and validating the user input data with proper conditions, Integrating application with the Database and complete System Testing.

**Bibliography:**

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

## 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:**

4.00

Sign in to Continue

Username

Password

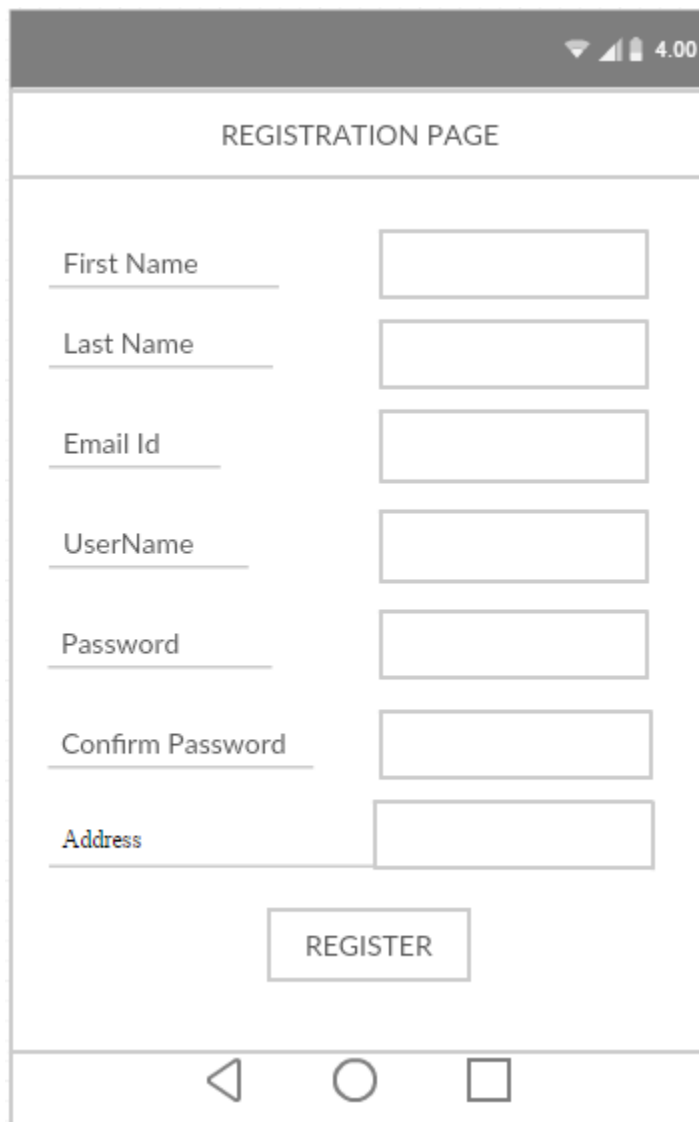
BUTTON

BUTTON

Forgot Password

Are you a Technician?

## User Registration:



A mobile application interface for user registration. The screen has a dark grey header bar at the top with status icons (Wi-Fi, cellular signal, battery) and the time '4.00'. Below the header is a white title bar with the text 'REGISTRATION PAGE'. The main content area is white and contains seven input fields, each with a label to its left: 'First Name', 'Last Name', 'Email Id', 'UserName', 'Password', 'Confirm Password', and 'Address'. Each label is underlined. To the right of each label is a rectangular input box. Below the input fields is a rectangular button labeled 'REGISTER'. At the very bottom is a white navigation bar with three icons: a back arrow, a circle, and a square.

4.00

REGISTRATION PAGE

First Name

Last Name

Email Id

UserName

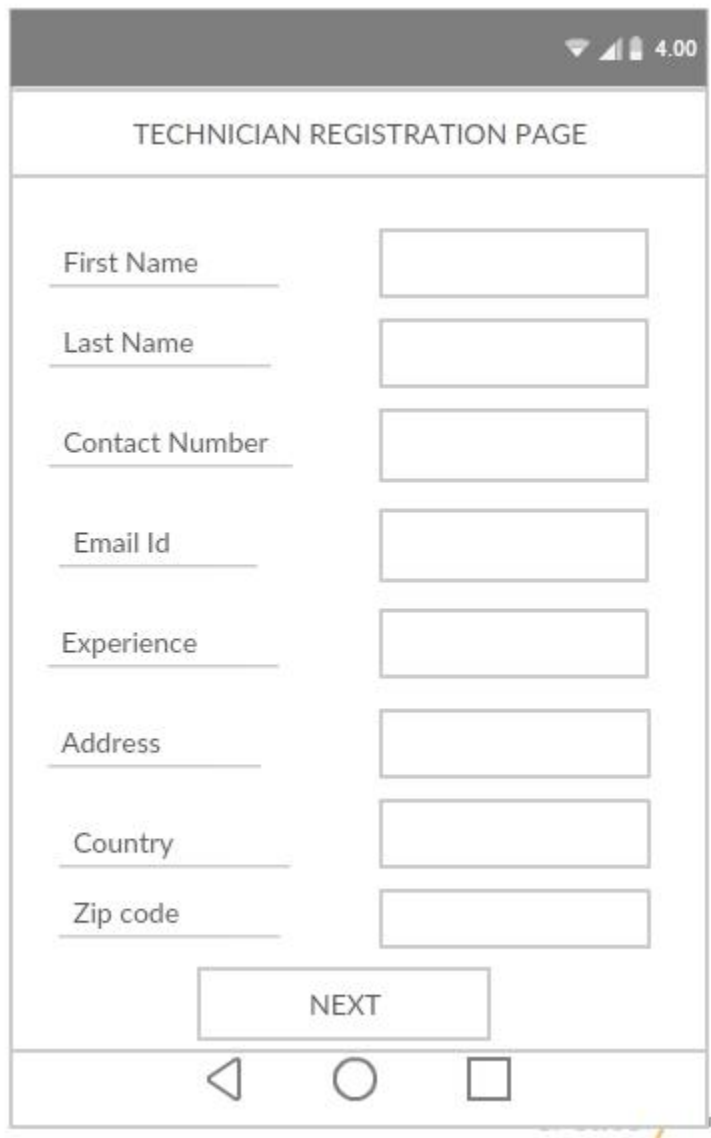
Password

Confirm Password

Address

REGISTER

## Technician Registration:



The image shows a mobile application interface for technician registration. At the top, a dark status bar displays a Wi-Fi icon, signal strength bars, battery level, and the time 4:00. Below this is a white header bar with the text "TECHNICIAN REGISTRATION PAGE". The main content area is white and contains eight form fields, each with a label and a corresponding input box. The labels are "First Name", "Last Name", "Contact Number", "Email Id", "Experience", "Address", "Country", and "Zip code". Each label is underlined. Below the input boxes is a "NEXT" button. At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square.

TECHNICIAN REGISTRATION PAGE

First Name

Last Name

Contact Number

Email Id

Experience

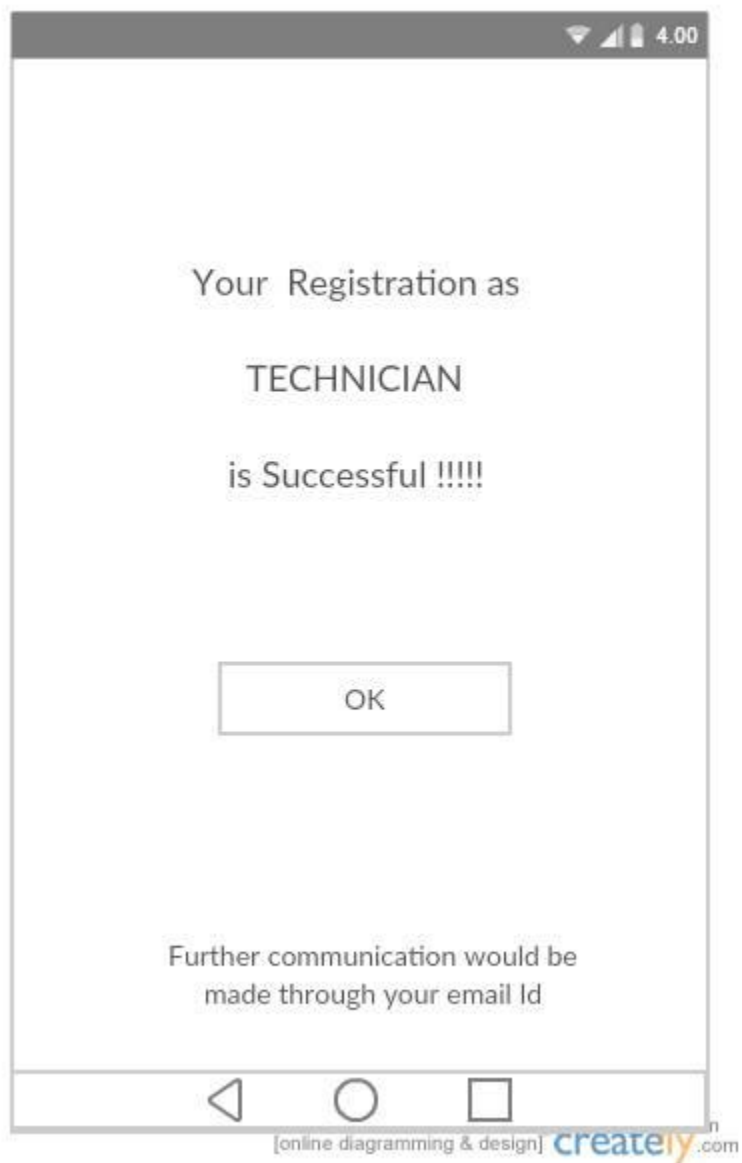
Address

Country

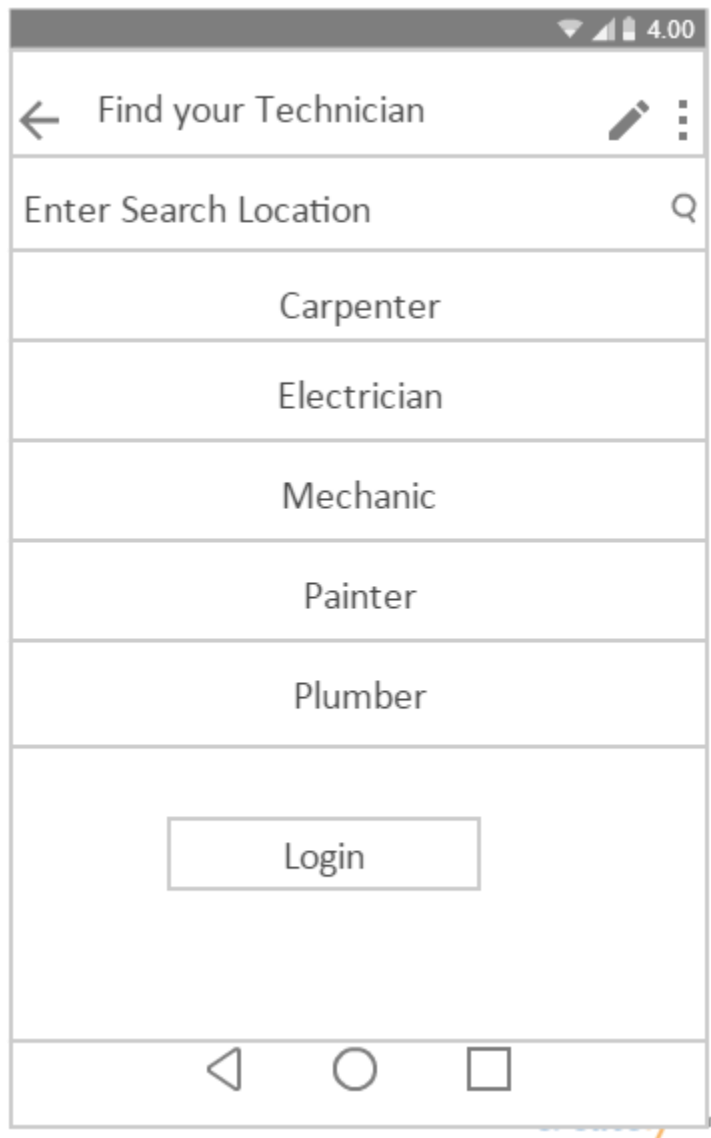
Zip code

NEXT

### Technician Registration Completion:



## Home Page:



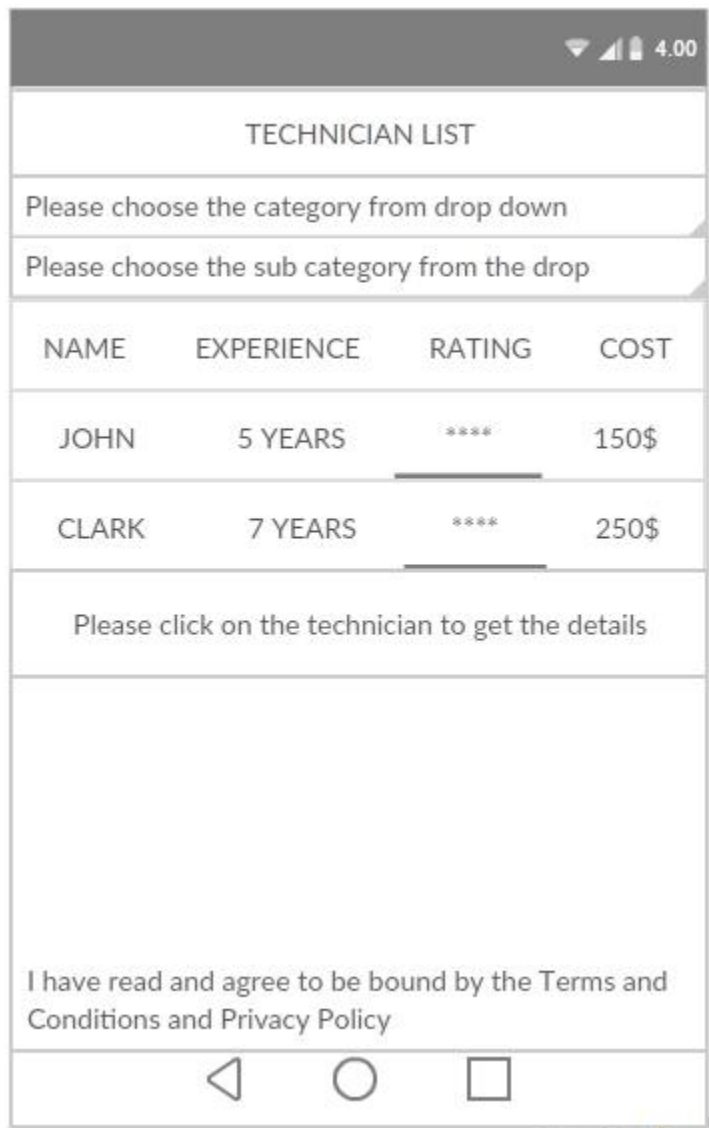
A mobile application interface for finding technicians. The screen has a dark status bar at the top with icons for Wi-Fi, cellular signal, and battery, and the time 4:00. Below the status bar is a header bar with a back arrow, the text "Find your Technician", a pencil icon, and a three-dot menu icon. Under the header is a search bar with the placeholder text "Enter Search Location" and a magnifying glass icon. Below the search bar is a list of technician roles: Carpenter, Electrician, Mechanic, Painter, and Plumber. At the bottom of the list is a "Login" button. The bottom of the screen features an Android-style navigation bar with back, home, and recent apps icons.

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

### Sub Category and Description:

The image is a wireframe of a mobile application interface. At the top, there is a dark grey header bar containing a back arrow, the text "Find your Technician", a pencil icon, and a menu icon. Below the header is a white box with the text "Select Sub Category". Underneath this is another white box with the text "Description". The bottom of the screen features a white bar with three icons: a triangle, a circle, and a square. The entire interface is enclosed in a thin grey border.

## Technician Results:



The screenshot shows a mobile application interface with a dark grey header bar at the top containing status icons and the text "4.00". Below the header is a white box with the title "TECHNICIAN LIST". This is followed by two rows of text prompts: "Please choose the category from drop down" and "Please choose the sub category from the drop", each with a small grey arrow icon to its right. Below these prompts is a table with four columns: "NAME", "EXPERIENCE", "RATING", and "COST". The table contains two rows of data: one for "JOHN" with 5 years of experience and a 4-star rating, and another for "CLARK" with 7 years of experience and a 4-star rating. Below the table is a text prompt "Please click on the technician to get the details". At the bottom of the white box is a text prompt "I have read and agree to be bound by the Terms and Conditions and Privacy Policy". The bottom of the screen shows a standard Android navigation bar with back, home, and recent apps icons.

NAME	EXPERIENCE	RATING	COST
JOHN	5 YEARS	****	150\$
CLARK	7 YEARS	****	250\$



## Technician Details:

4.00

TECHNICIAN DETAILS

Name:

Experience:

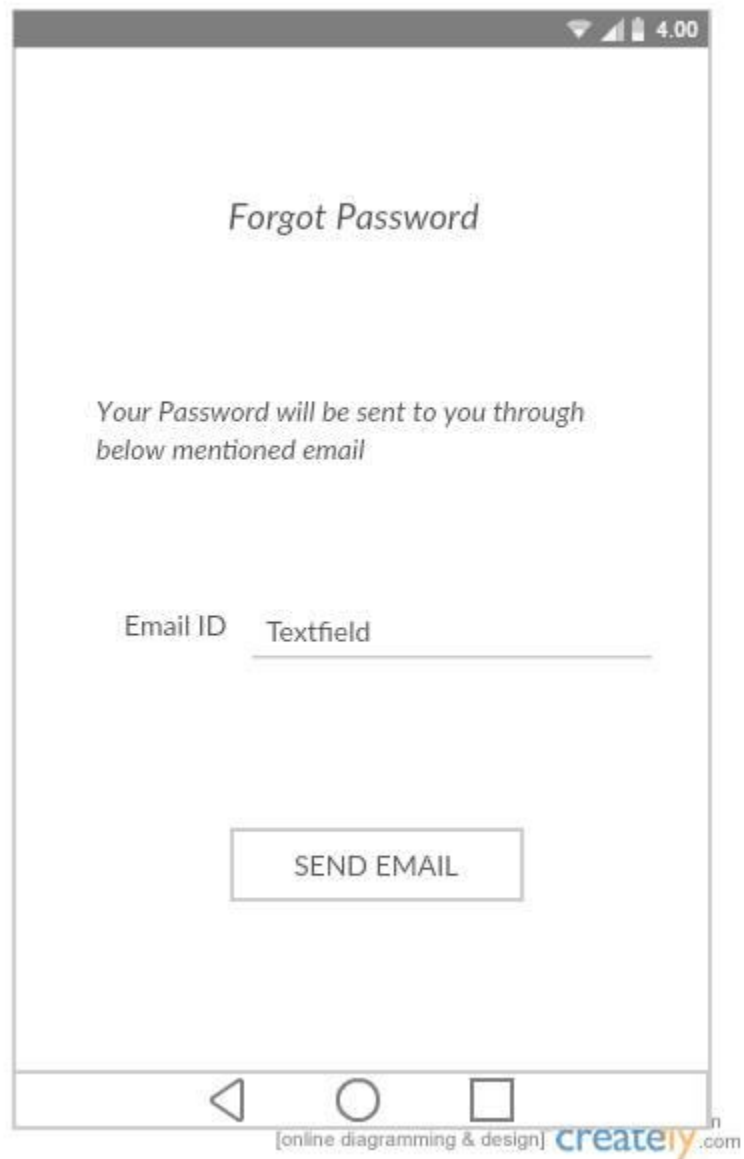
Category:

Contact Number:

Email ID:

Cost:

## Forgot Password Page:



The image shows a mobile application interface for a 'Forgot Password' page. At the top, there is a status bar with a grey background, displaying a Wi-Fi icon, a cellular signal icon, a battery icon, and the time '4.00'. Below the status bar, the title 'Forgot Password' is centered in a large, bold, black font. Underneath the title, a message in a smaller, italicized black font reads: 'Your Password will be sent to you through below mentioned email'. Below this message, there is a label 'Email ID' followed by a text input field with a light blue border and a light blue background. Below the text input field, there is a rectangular button with a black border and the text 'SEND EMAIL' in a bold, black, sans-serif font. At the bottom of the screen, there is a white navigation bar with three black icons: a back arrow, a circle, and a square. Below the navigation bar, there is a small text watermark that reads '[online diagramming & design] createy.com'.

4.00

### Forgot Password

*Your Password will be sent to you through  
below mentioned email*

Email ID

SEND EMAIL

[online diagramming & design] createy.com

**Confirm Password:**

4.00

Change Password

Current Password

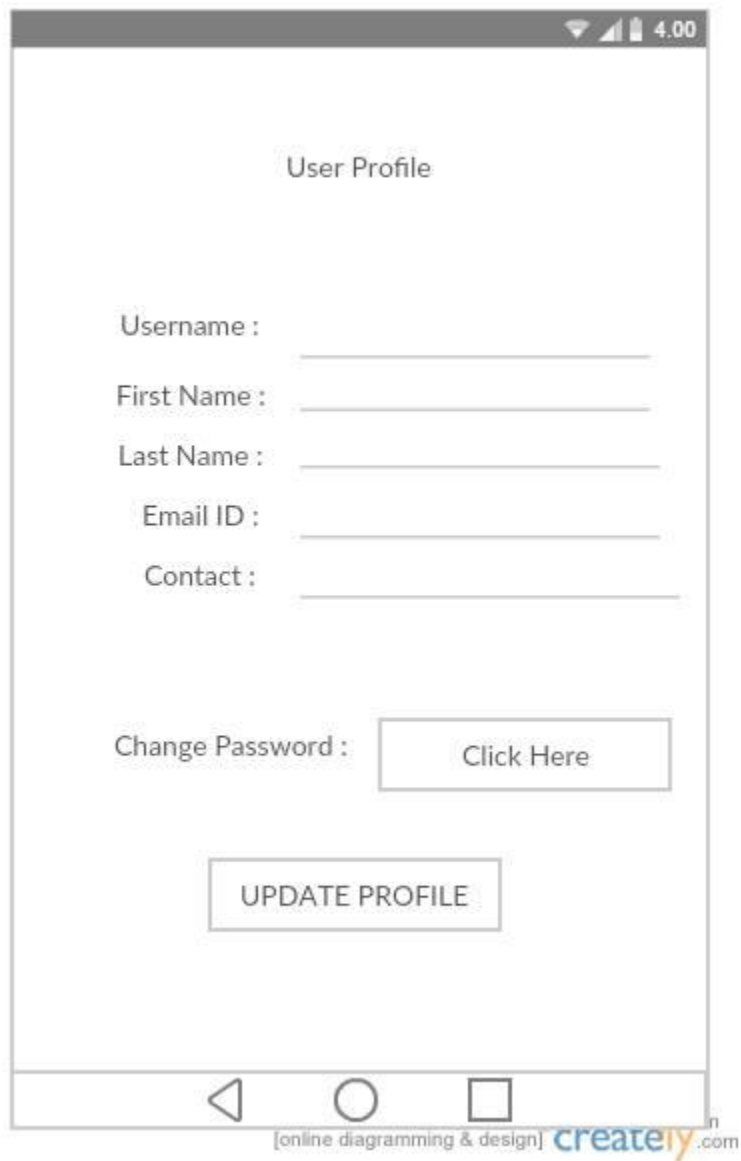
New Password

Confirm Password

UPDATE

[online diagramming & design] createiy.com

## Edit Profile Page:



A mobile application mockup for an 'Edit Profile' page. The screen has a dark grey status bar at the top with icons for Wi-Fi, cellular signal, and battery, and the time '4.00'. The main content area is white and titled 'User Profile' in a bold, dark grey font. Below the title are five form fields, each with a label and a text input line: 'Username :', 'First Name :', 'Last Name :', 'Email ID :', and 'Contact :'. Below these fields is a 'Change Password :' label followed by a rectangular button labeled 'Click Here'. At the bottom of the form area is a larger rectangular button labeled 'UPDATE PROFILE'. The screen is framed by a dark grey border, and at the very bottom is a white navigation bar with three icons: a back arrow, a circle, and a square. A watermark 'createely.com' is visible in the bottom right corner of the screen.

User Profile

Username : \_\_\_\_\_

First Name : \_\_\_\_\_

Last Name : \_\_\_\_\_

Email ID : \_\_\_\_\_

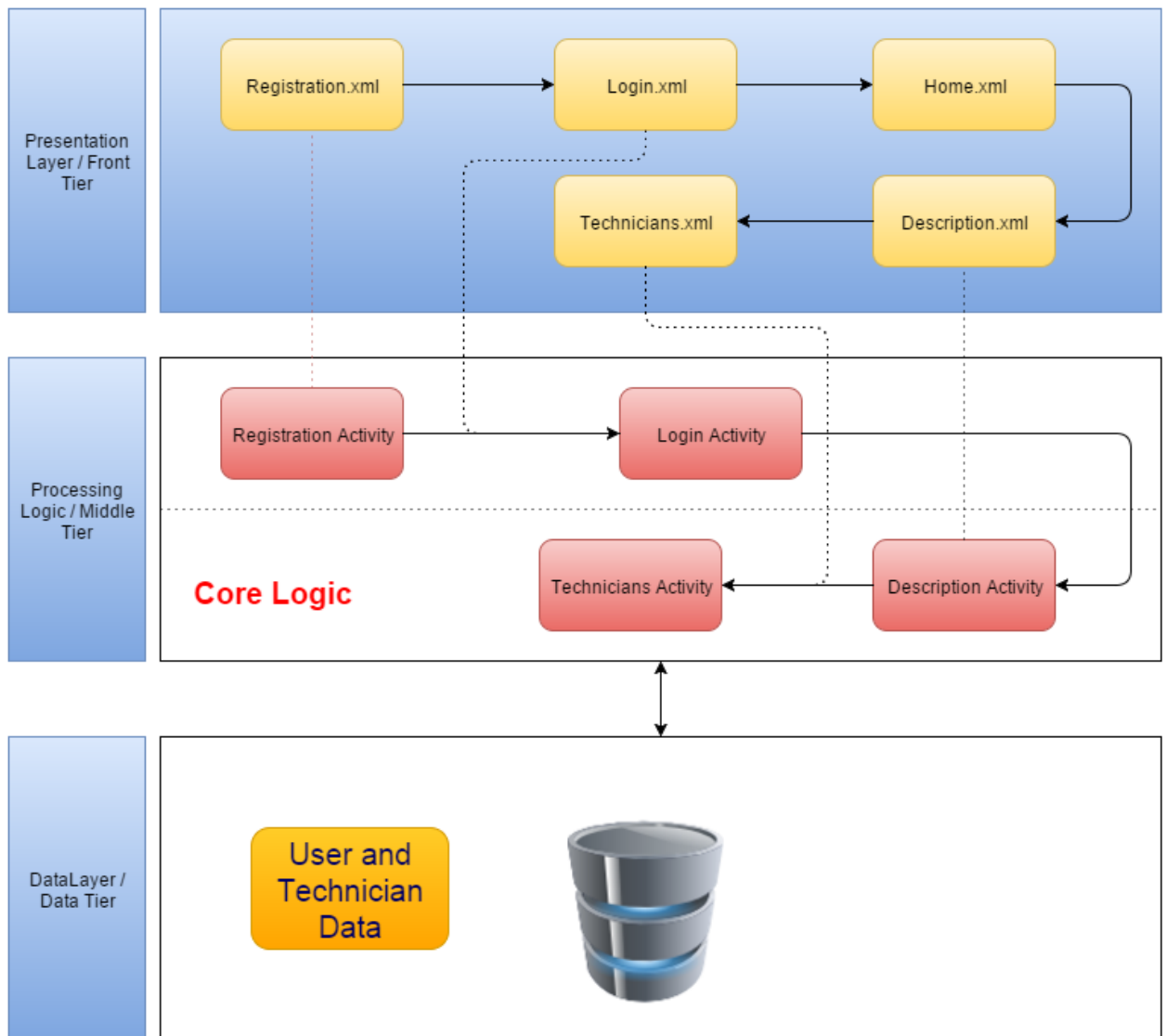
Contact : \_\_\_\_\_

Change Password : [Click Here](#)

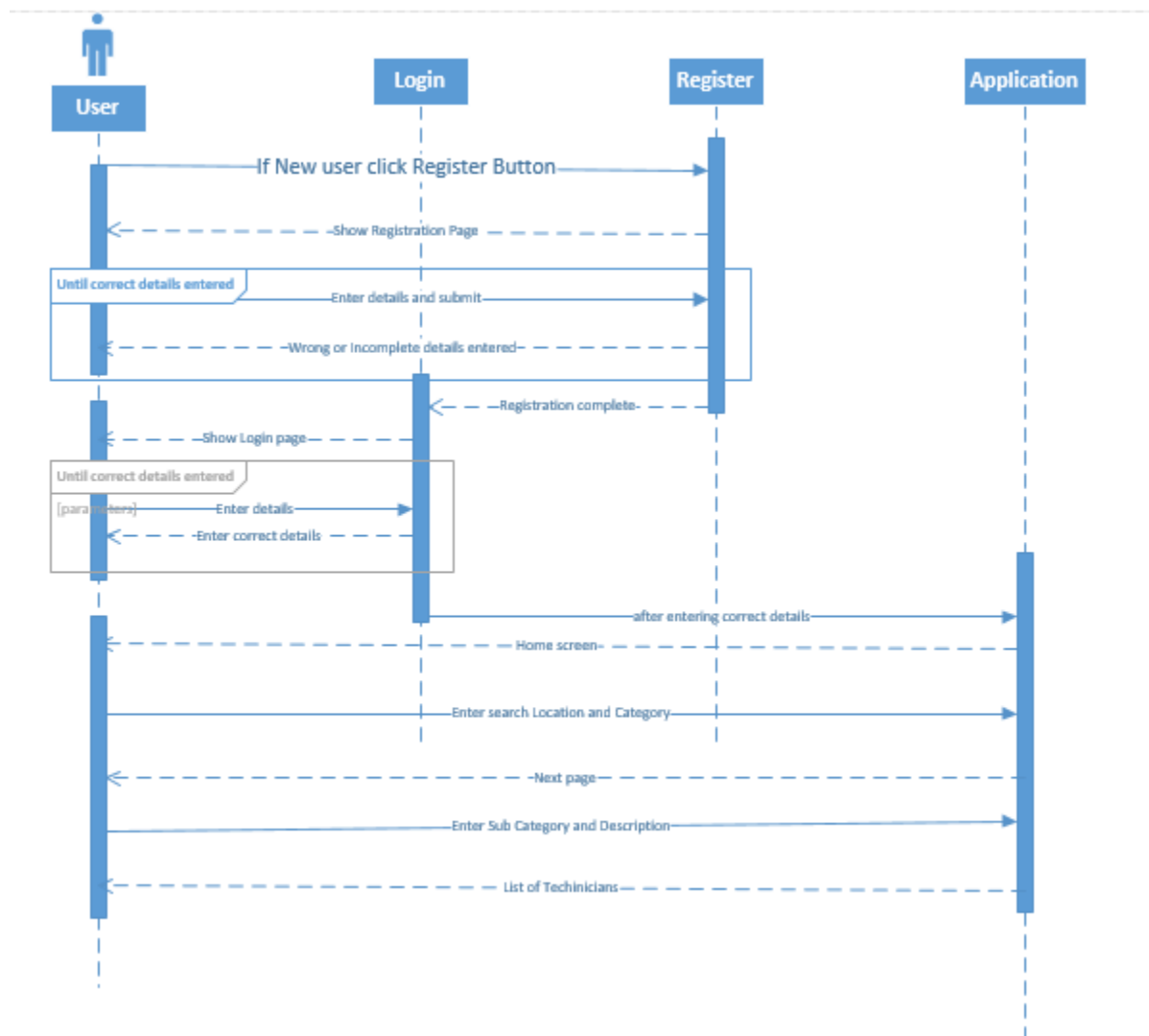
[UPDATE PROFILE](#)

[online diagramming & design] createely.com

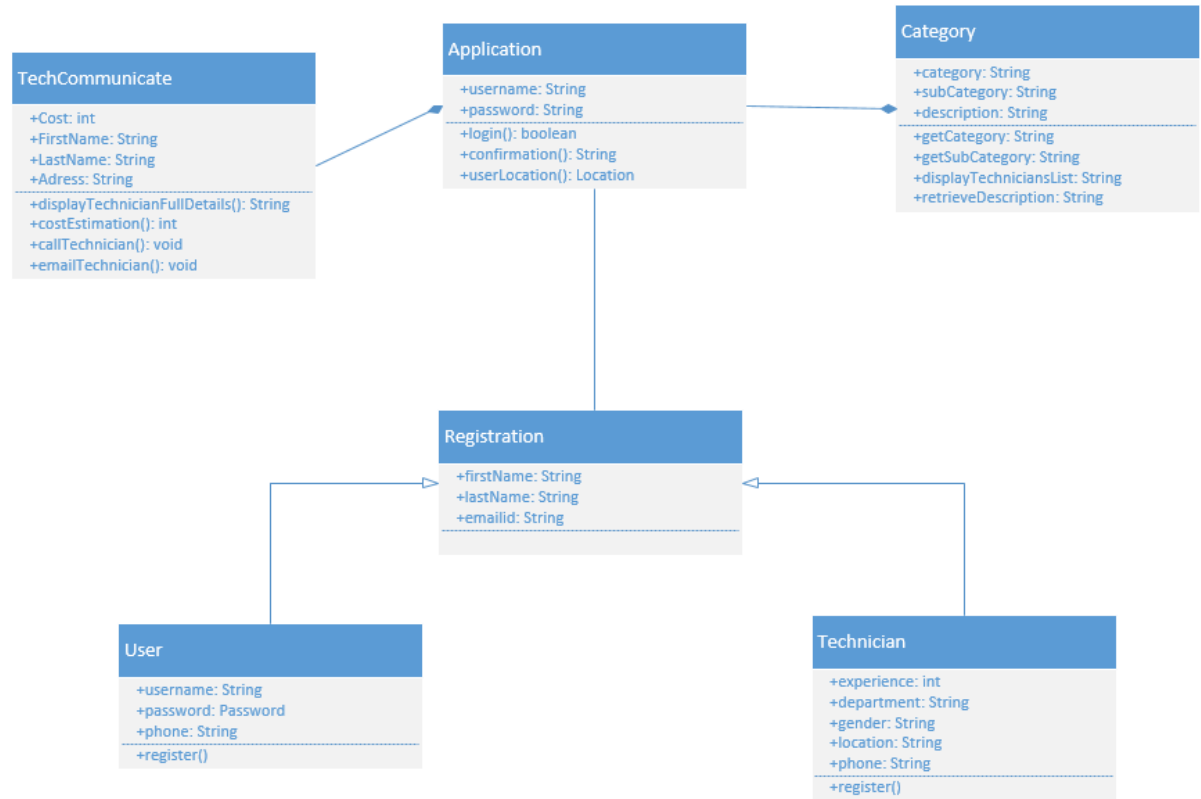
## Architecture Diagram:



## 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:

Sign in to Continue


Akhi

.....

SIGN IN SIGN UP

Forgot Password?

Are you a Technician?

 **F!ND yOuR  
TECHNICIAN**





H



9:41

## *Sign in to Continue*

Username



Username cannot be blank

Password

SIGN IN

SIGN UP

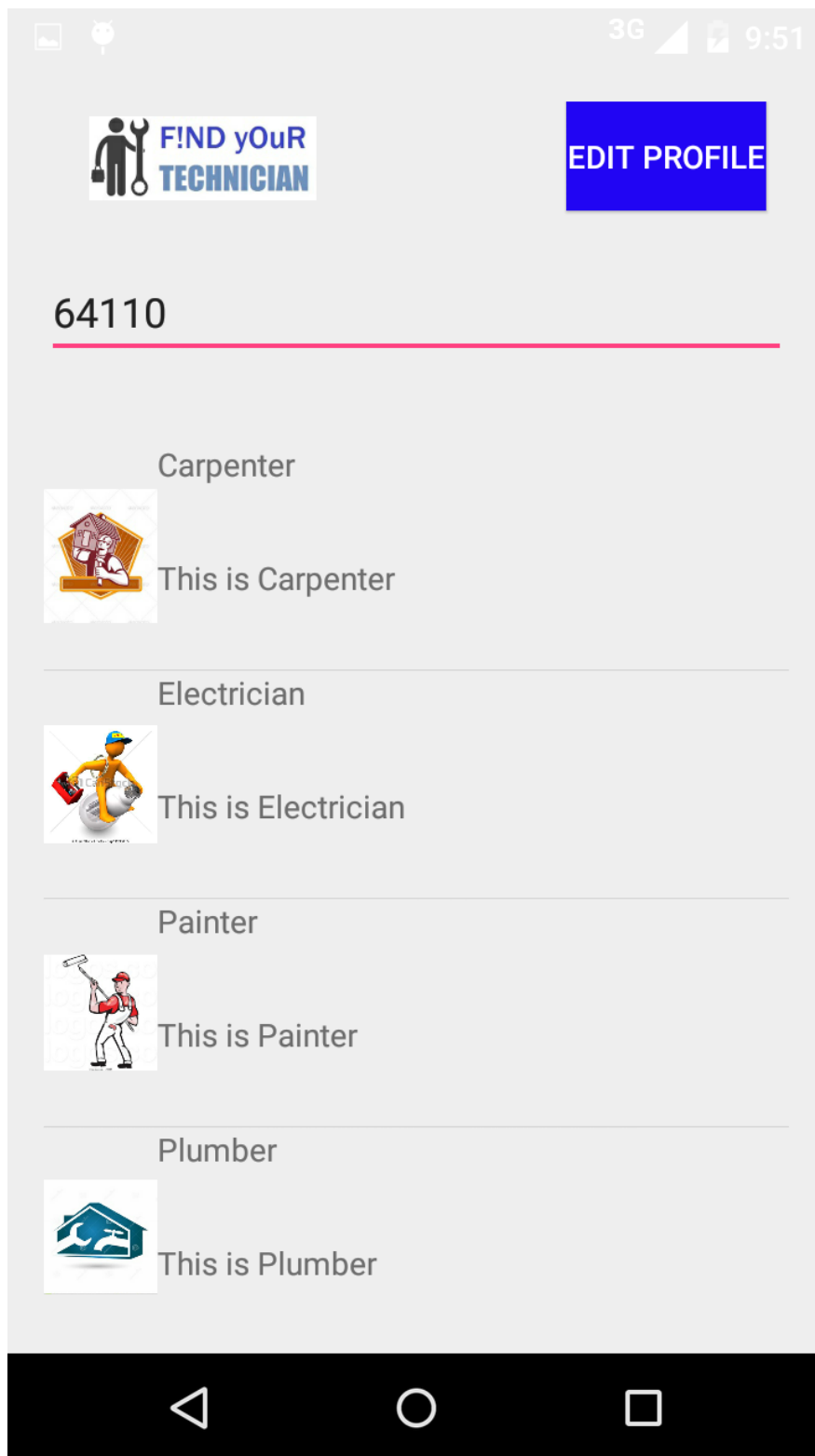
[Forgot Password?](#)

[Are you a Technician?](#)

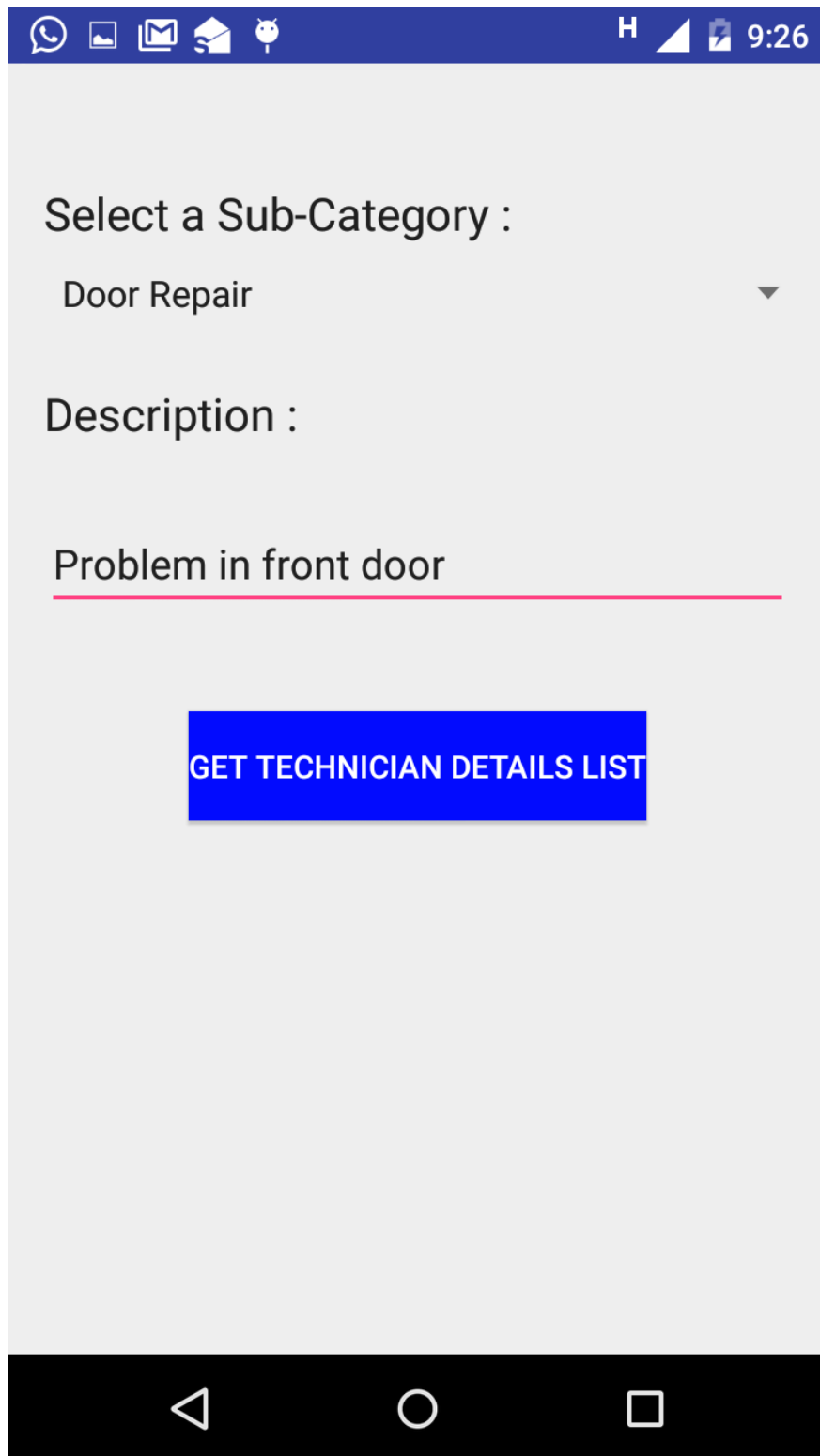


**F!ND yOuR  
TECHNICIAN**

## Home Page:



### Sub Category Page:



The screenshot shows a mobile application interface with a dark blue status bar at the top containing icons for WhatsApp, gallery, email, a folder, and an Android robot, along with the text 'H', a signal strength indicator, a battery icon, and the time '9:26'. The main content area has a light gray background. It features a label 'Select a Sub-Category :' followed by a dropdown menu showing 'Door Repair' with a downward arrow. Below this is a label 'Description :' followed by a text input field containing 'Problem in front door' which is underlined in pink. A blue button with white text 'GET TECHNICIAN DETAILS LIST' is positioned below the text field. At the bottom is a black navigation bar with three white icons: a triangle, a circle, and a square.

Select a Sub-Category :

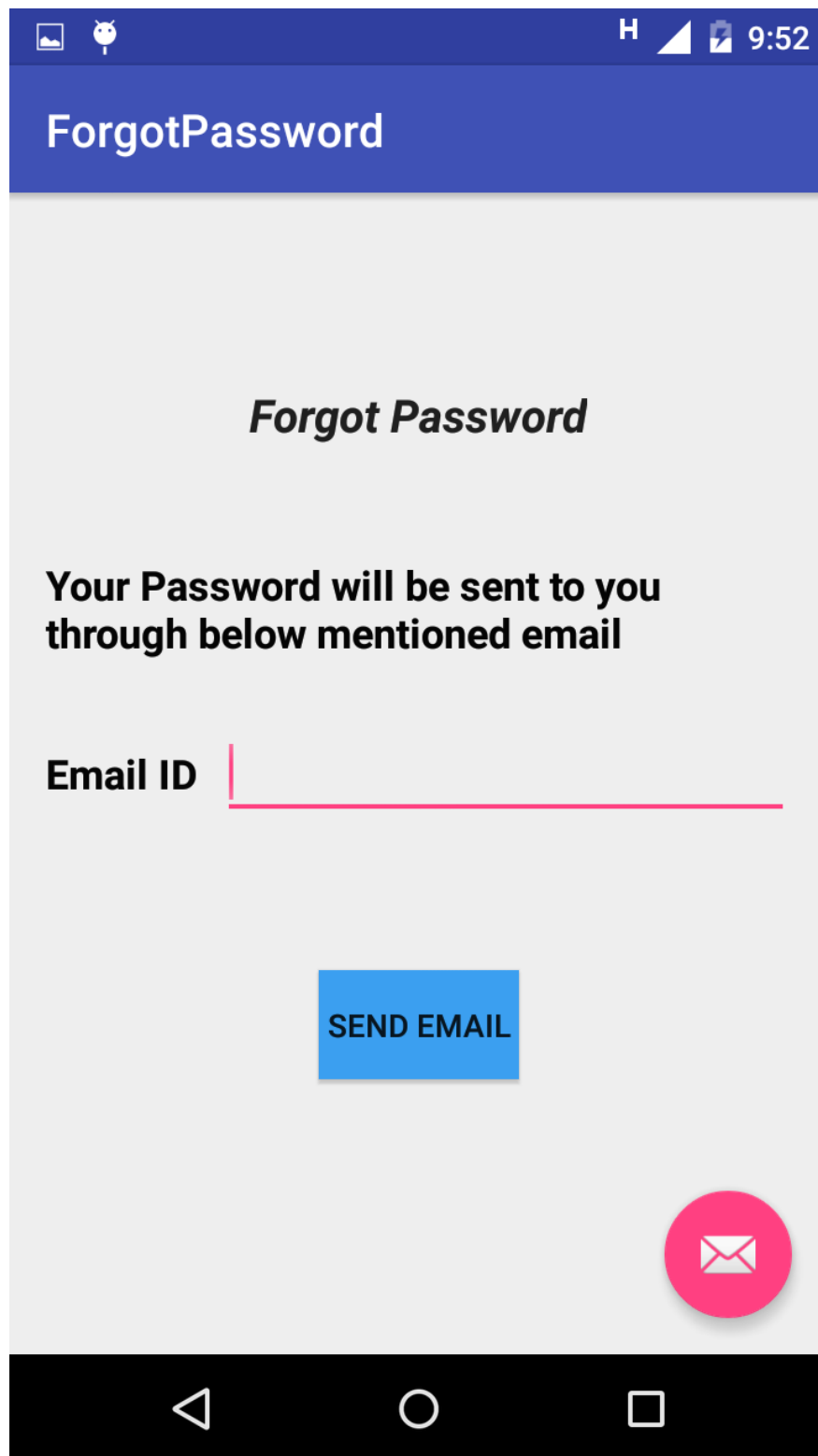
Door Repair ▼

Description :

Problem in front door

GET TECHNICIAN DETAILS LIST

## Forgot Password Page:




ForgotPassword

***Forgot Password***

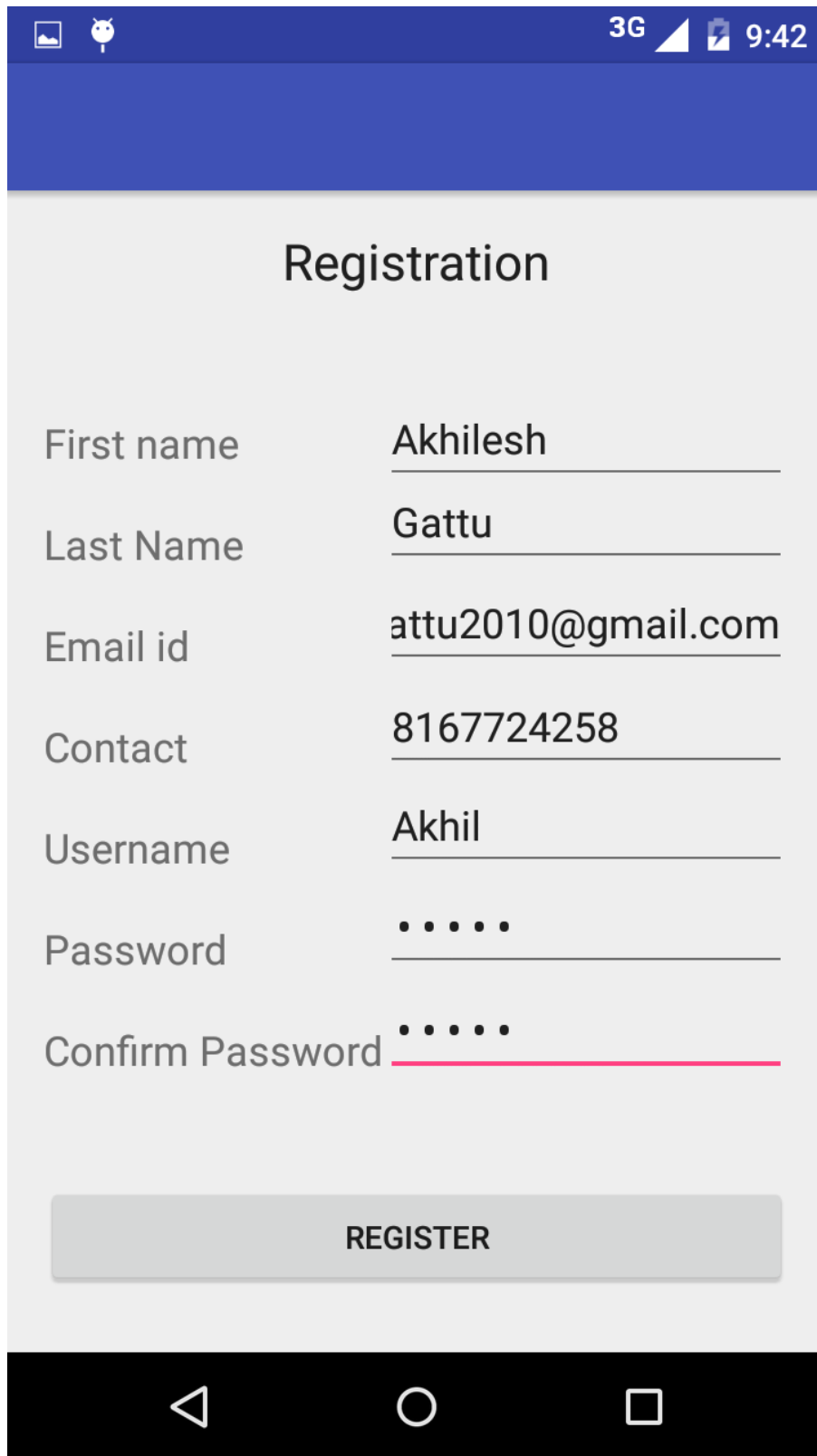
**Your Password will be sent to you  
through below mentioned email**

Email ID

**SEND EMAIL**



## User Registration Page:



A screenshot of a mobile application's user registration page. The page has a blue header bar at the top. Below the header, the title "Registration" is centered. The form consists of several input fields with labels on the left and values on the right. The fields are: First name (Akhilesh), Last Name (Gattu), Email id (attu2010@gmail.com), Contact (8167724258), Username (Akhil), Password (masked with dots), and Confirm Password (masked with dots). A pink underline is visible under the Confirm Password field. At the bottom of the form is a grey button labeled "REGISTER". The entire form is set against a light grey background. The top of the screen shows a status bar with icons for signal, battery, and time (9:42). The bottom of the screen shows a black navigation bar with white icons for back, home, and recent apps.

Registration

First name Akhilesh

Last Name Gattu

Email id attu2010@gmail.com

Contact 8167724258

Username Akhil

Password .....

Confirm Password .....

REGISTER



H



9:42

## Registration

First name

Last Name

Email id

Contact

User name is already in use

Username

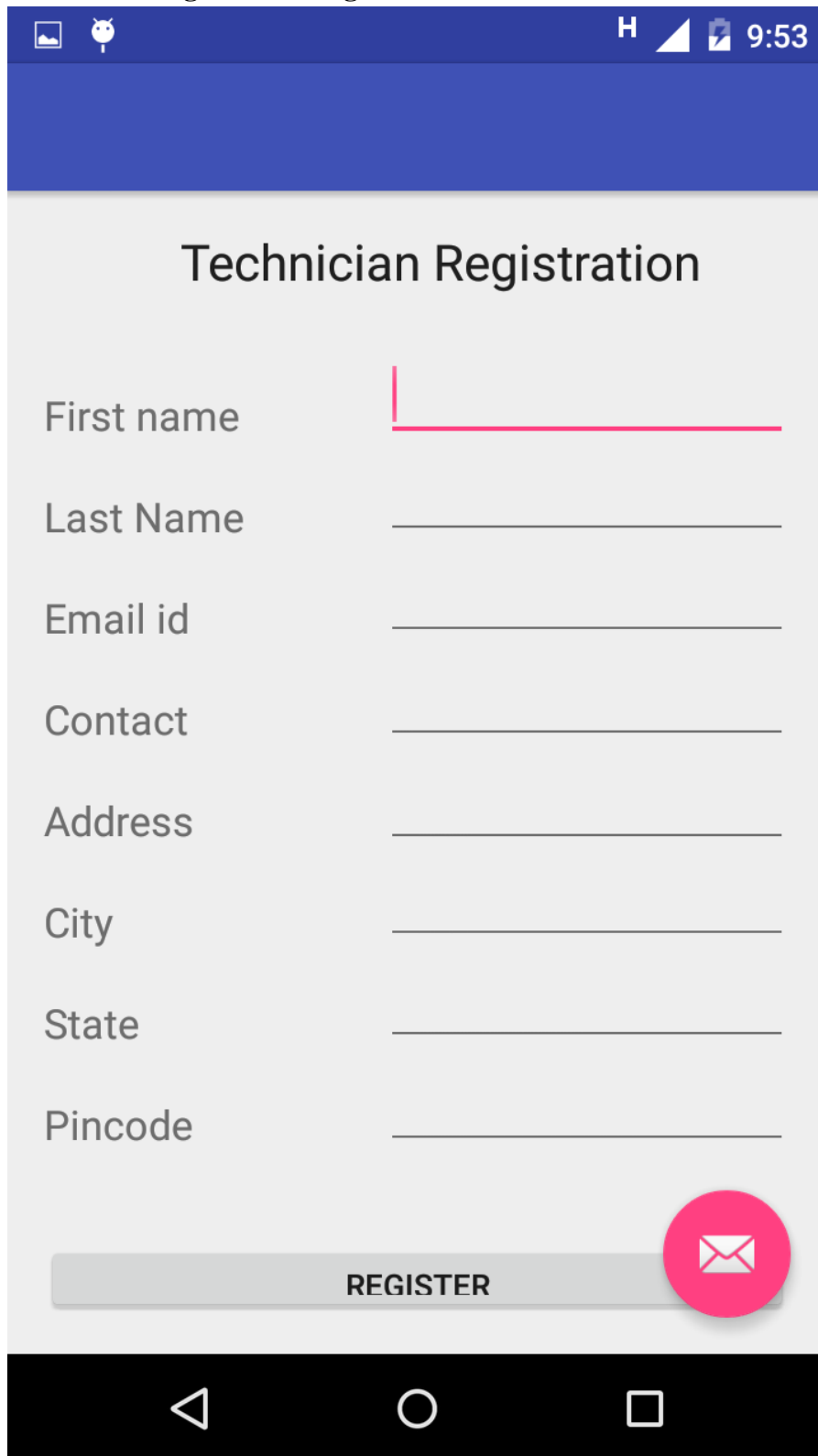
Password

Confirm Password

REGISTER



## Technician Registration Page:



A screenshot of a mobile application's Technician Registration page. The page has a blue header bar at the top. Below the header, the title "Technician Registration" is centered. The form consists of several input fields: "First name" (with a pink border), "Last Name", "Email id", "Contact", "Address", "City", "State", and "Pincode". At the bottom right, there is a pink circular button with a white envelope icon. Below this button is a grey rectangular button labeled "REGISTER". The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

First name

Last Name

Email id

Contact

Address

City

State

Pincode

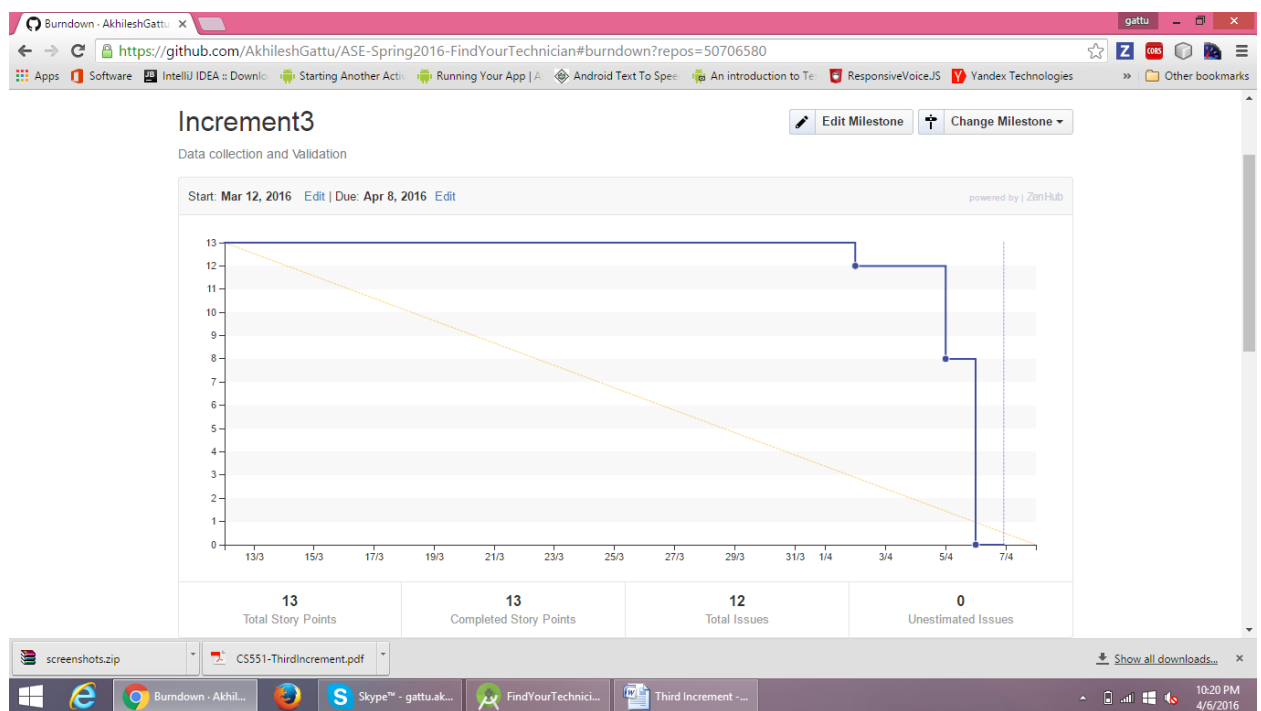
REGISTER

**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.





gatttu

https://github.com/AkhileshGattu/ASE-Spring2016-FindYourTechnician/milestones/Increment3#burndown

Apps Software IntelliJ IDEA = Downl... Starting Another Acti... Running Your App | A... Android Text To Spee... An introduction to Te... ResponsiveVoice.JS Yandex Technologies Other bookmarks

Increment3

Repository	Issues	Story Points
ASE-Spring2016-FindYourTechnician	#39 Validating the User details	2
ASE-Spring2016-FindYourTechnician	#44 Modifying the pages with new changes	1
ASE-Spring2016-FindYourTechnician	#43 Merging the technician registration page	1
ASE-Spring2016-FindYourTechnician	#42 Parsing the data across the activities	1
ASE-Spring2016-FindYourTechnician	#41 Validating the Technician registration data	1
ASE-Spring2016-FindYourTechnician	#40 Inserting the technician registration data into the Database	1
ASE-Spring2016-FindYourTechnician	#38 Creating the Success screen	1
ASE-Spring2016-FindYourTechnician	#37 Integrating the User Registration page with Database	1
ASE-Spring2016-FindYourTechnician	#36 Collecting the technician details	1
ASE-Spring2016-FindYourTechnician	#35 Creating Issues and test cases for increment 3	1
ASE-Spring2016-FindYourTechnician	#34 Documentation	1

screenshots.zip CS551-ThirdIncrement.pdf Show all downloads...

Windows Taskbar: Burndown - Akhil... Skype™ - gattu.ak... FindYourTechnici... Third Increment - ... 10:22 PM 4/6/2016

## Bibliography:

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

# 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:

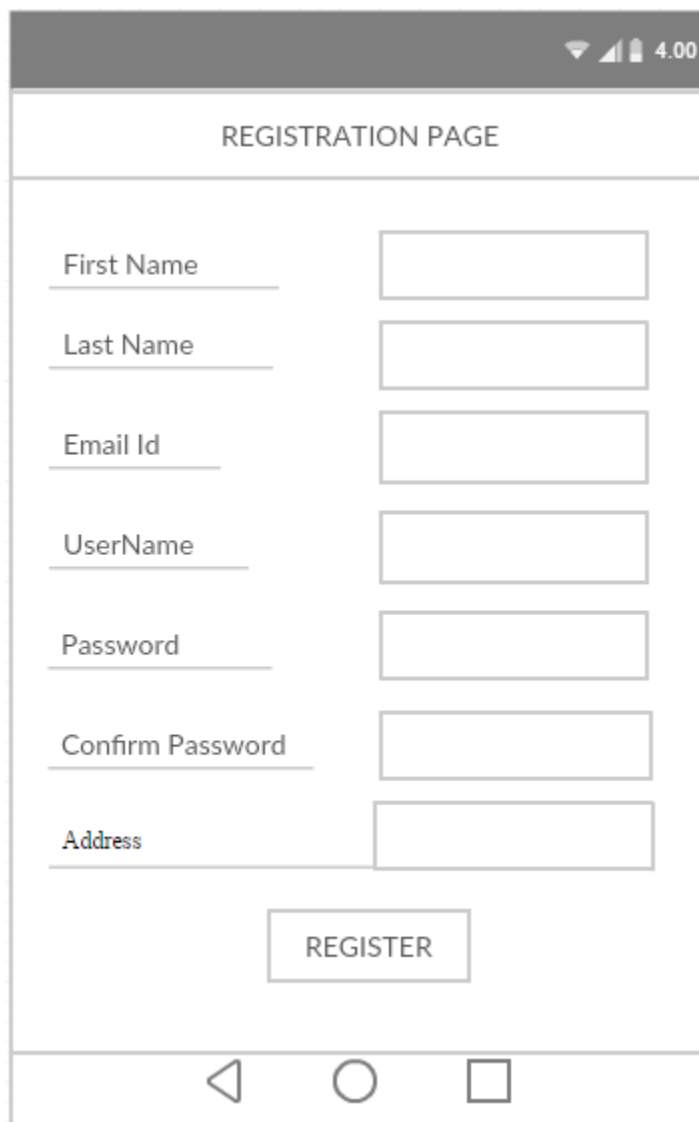
- **Wire Frames:**

#### User Login Page:



The wireframe illustrates a mobile application login screen. At the top, a status bar shows a Wi-Fi icon, a cellular signal icon, a battery icon, and the time 4:00. The main content area features the text "Sign in to Continue" in a large, centered font. Below this, there are two input fields: "Username" and "Password", each with a horizontal line for text entry. Underneath the input fields, there are two rectangular buttons, each labeled "BUTTON". At the bottom of the main content area, there are two links: "Forgot Password" and "Are you a Technician?". The entire screen is framed by a white border, and the bottom of the screen shows a standard Android navigation bar with a back arrow, a home circle, and a recent apps square.

## User Registration:



A mobile application registration page mockup. At the top is a dark grey status bar with icons for Wi-Fi, cellular signal, battery, and the time 4:00. Below this is a white header bar with the text "REGISTRATION PAGE". The main content area is white and contains seven input fields, each with a label to its left: "First Name", "Last Name", "Email Id", "UserName", "Password", "Confirm Password", and "Address". Each label is underlined. To the right of each label is a rectangular input box. Below the input fields is a rectangular button labeled "REGISTER". At the very bottom is a white navigation bar with three icons: a back arrow, a circle, and a square.

4.00

REGISTRATION PAGE

First Name

Last Name

Email Id

UserName

Password

Confirm Password

Address

REGISTER

## Technician Registration:



A mobile application interface for technician registration. The screen has a dark grey header bar at the top with status icons (Wi-Fi, cellular signal, battery) and the time '4.00'. Below the header is a white title bar with the text 'TECHNICIAN REGISTRATION PAGE'. The main content area is white and contains eight form fields, each with a label and a text input box. The labels are 'First Name', 'Last Name', 'Contact Number', 'Email Id', 'Experience', 'Address', 'Country', and 'Zip code'. Below the form fields is a 'NEXT' button. At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square.

TECHNICIAN REGISTRATION PAGE

First Name

Last Name

Contact Number

Email Id

Experience

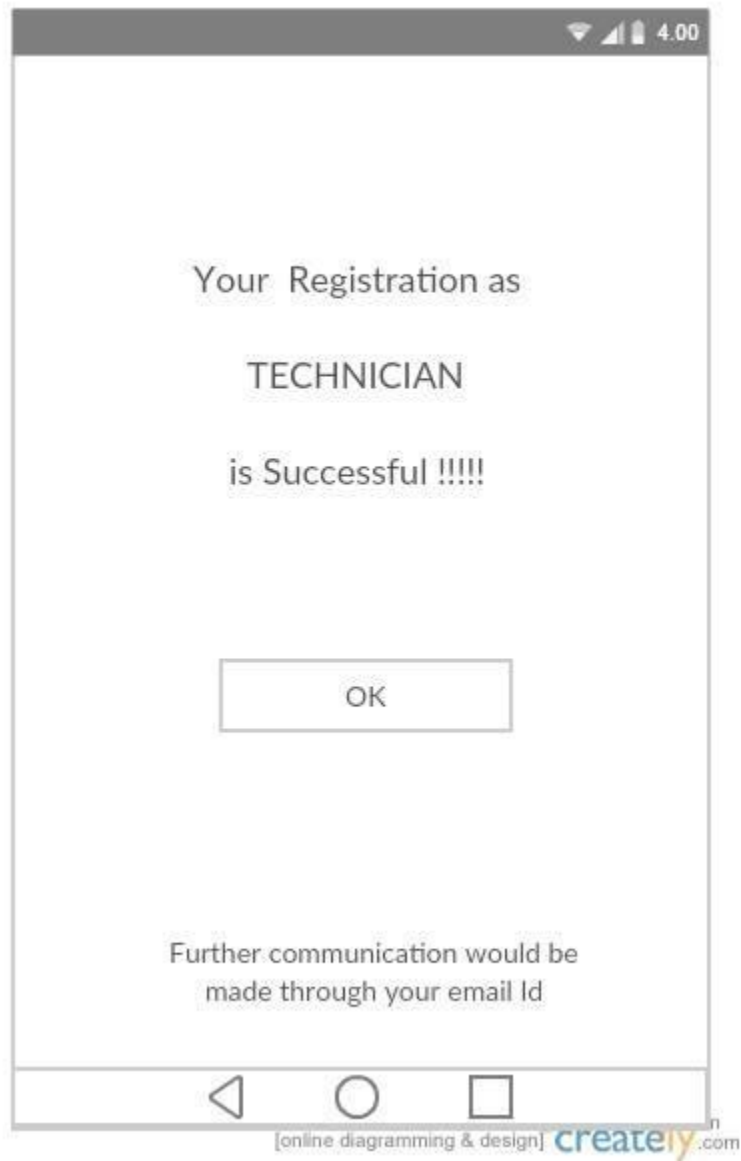
Address

Country

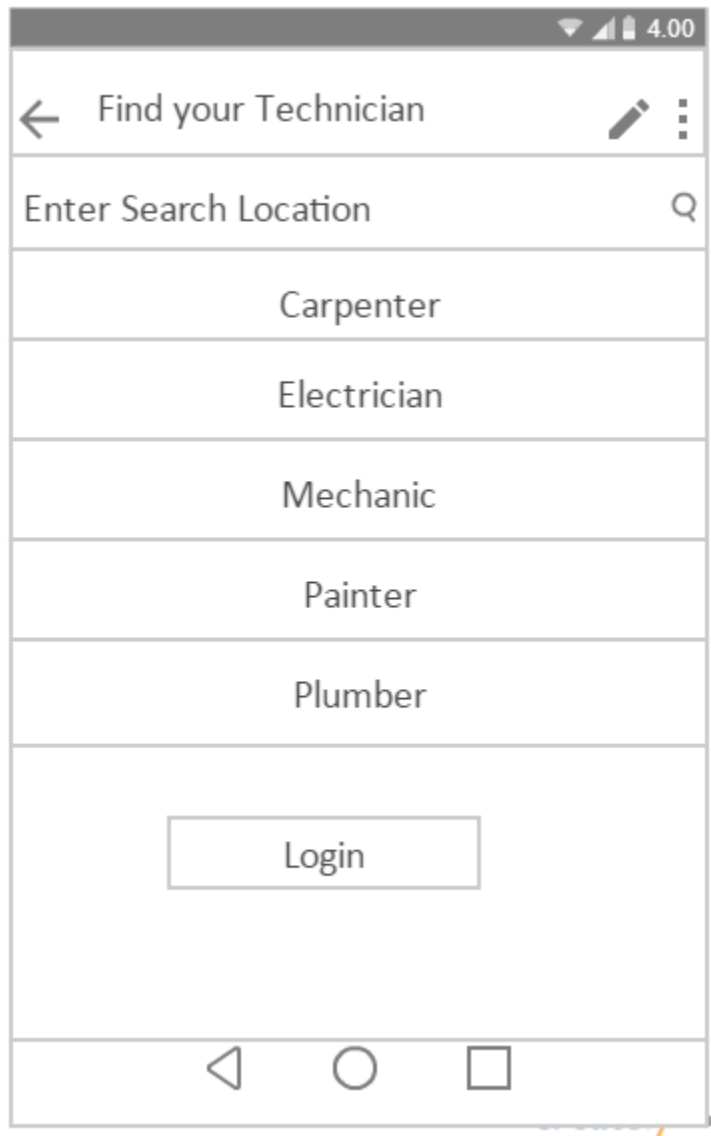
Zip code

NEXT

### Technician Registration Completion:



## Home Page:



A mobile application interface for finding technicians. The screen has a dark status bar at the top with icons for Wi-Fi, signal strength, and battery level at 4.00. Below the status bar is a header bar with a back arrow, the text "Find your Technician", a pencil icon, and a three-dot menu icon. Under the header is a search bar with the placeholder text "Enter Search Location" and a magnifying glass icon. Below the search bar are five buttons for different technician types: "Carpenter", "Electrician", "Mechanic", "Painter", and "Plumber". At the bottom of the main content area is a "Login" button. The bottom of the screen features an Android-style navigation bar with back, home, and recents icons.

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

### Sub Category and Description:

The image is a wireframe of a mobile application interface. At the top, there is a dark grey header bar with a back arrow icon, the text "Find your Technician", a pencil icon, and a three-dot menu icon. Below the header, the screen is divided into three main sections. The first section is a light grey box with the text "Select Sub Category". The second section is a white box with the text "Description". The third section is a large white box, currently empty. At the bottom of the screen, there is a white bar containing three icons: a triangle, a circle, and a square. The entire wireframe is set against a light grey background.



Technician Results:

4.00

TECHNICIAN LIST

Please choose the category from drop down

Please choose the sub category from the drop

NAME	EXPERIENCE	RATING	COST
JOHN	5 YEARS	****	150\$
CLARK	7 YEARS	****	250\$

Please click on the technician to get the details

I have read and agree to be bound by the Terms and Conditions and Privacy Policy

### Technician Details:

The image is a screenshot of a mobile application interface. At the top, there is a dark grey status bar with icons for Wi-Fi, cellular signal, and battery, along with the time '4.00'. Below this is a white header bar with the text 'TECHNICIAN DETAILS'. The main content area is white and contains six labels for data entry: 'Name:', 'Experience:', 'Category:', 'Contact Number:', 'Email ID:', and 'Cost:'. Each label is followed by a large, empty rectangular box for text input. At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square. A small yellow mark is visible at the bottom right corner of the screen.

## Forgot Password Page:

Forgot Password

Your Password will be sent to you through  
below mentioned email

Email ID Textfield

SEND EMAIL

[online diagramming & design] [creately.com](https://creately.com)

## Confirm Password:



The image shows a mobile application interface for changing a password. At the top, there is a status bar with a Wi-Fi icon, signal strength bars, a battery icon, and the time 4:00. Below the status bar, the title "Change Password" is centered. The form consists of three input fields: "Current Password", "New Password", and "Confirm Password". Each field is represented by a text label followed by a horizontal line. Below the input fields, there is a rectangular button labeled "UPDATE". At the bottom of the screen, there is a navigation bar with three icons: a back arrow, a home circle, and a recent apps square. A watermark "createely.com" is visible at the bottom right of the screen.

Change Password

Current Password

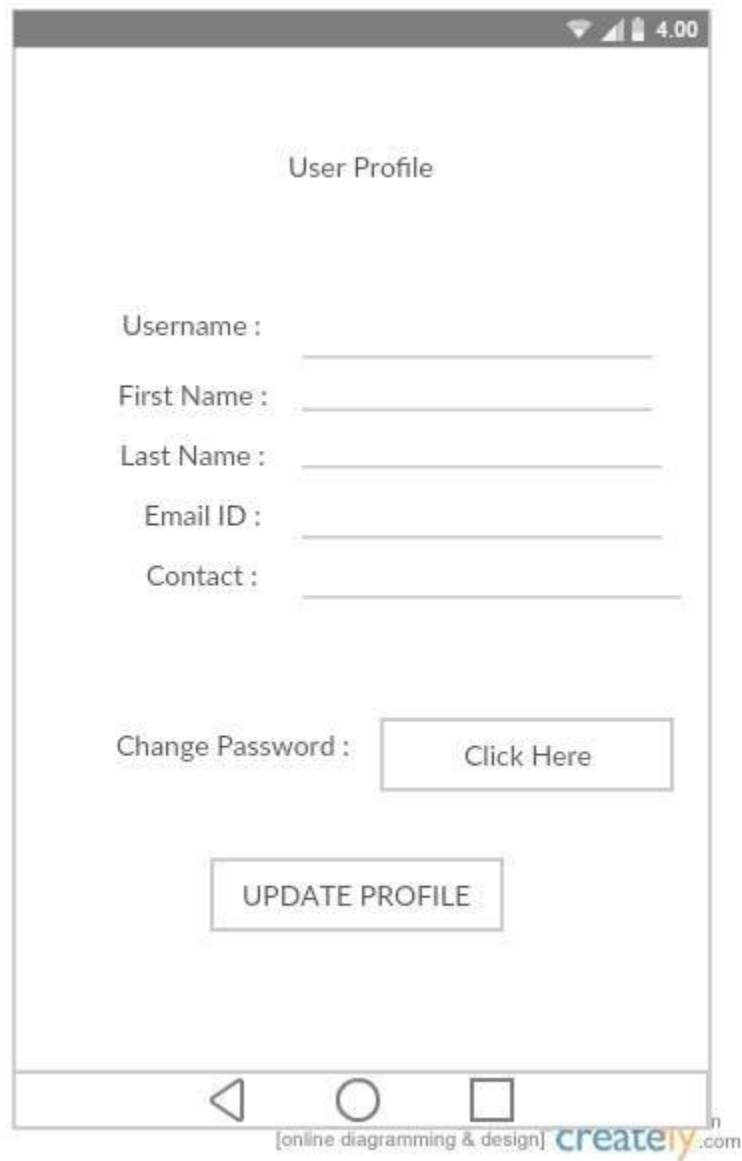
New Password

Confirm Password

UPDATE

[online diagramming & design] createely.com

## Edit Profile Page:



A mobile application mockup for an 'Edit Profile' page. The screen has a dark grey status bar at the top with icons for Wi-Fi, cellular signal, and battery, and the time '4.00'. The main content area is white. At the top, the title 'User Profile' is centered. Below it, there are five form fields, each with a label and a text input line: 'Username :', 'First Name :', 'Last Name :', 'Email ID :', and 'Contact :'. Further down, there is a 'Change Password :' label followed by a button labeled 'Click Here'. Below that is a large button labeled 'UPDATE PROFILE'. At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square. A watermark at the bottom center reads '[online diagramming & design] creately.com'.

User Profile

Username : \_\_\_\_\_

First Name : \_\_\_\_\_

Last Name : \_\_\_\_\_

Email ID : \_\_\_\_\_

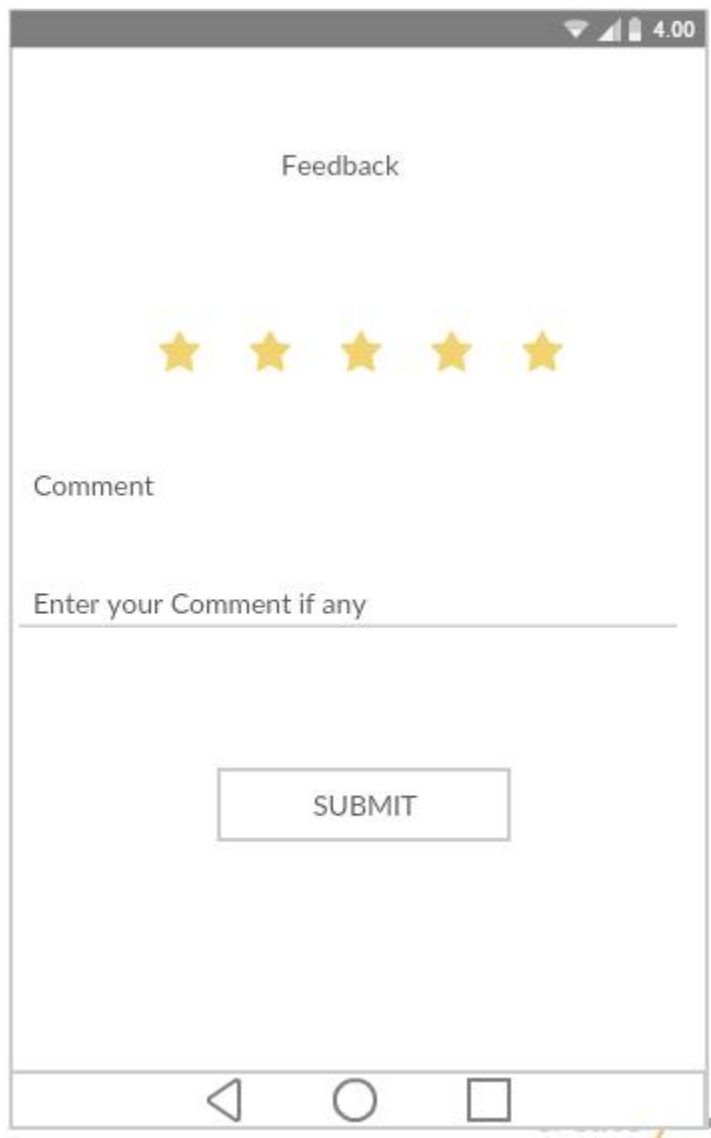
Contact : \_\_\_\_\_

Change Password : [Click Here](#)

[UPDATE PROFILE](#)

[online diagramming & design] creately.com

## Feedback Page:



A mobile application feedback form interface. At the top, a status bar shows a Wi-Fi icon, a cellular signal icon, a battery icon, and the time 4:00. The main title 'Feedback' is centered. Below it is a five-star rating system with five yellow stars. A 'Comment' label is positioned above a text input field. The input field contains the placeholder text 'Enter your Comment if any'. A 'SUBMIT' button is centered below the input field. At the bottom, there is a navigation bar with three icons: a back arrow, a circle, and a square.

Feedback

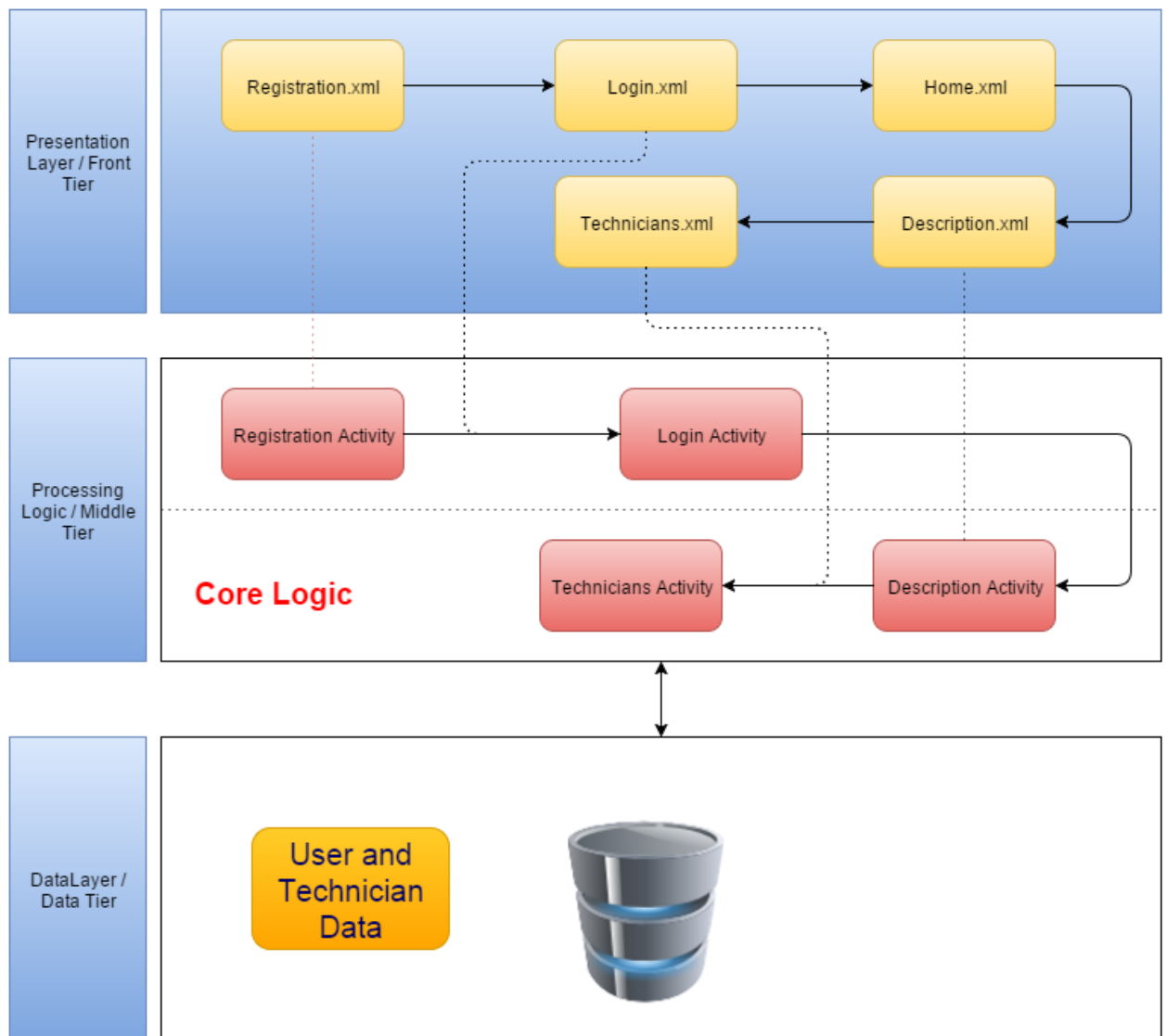
★★★★★

Comment

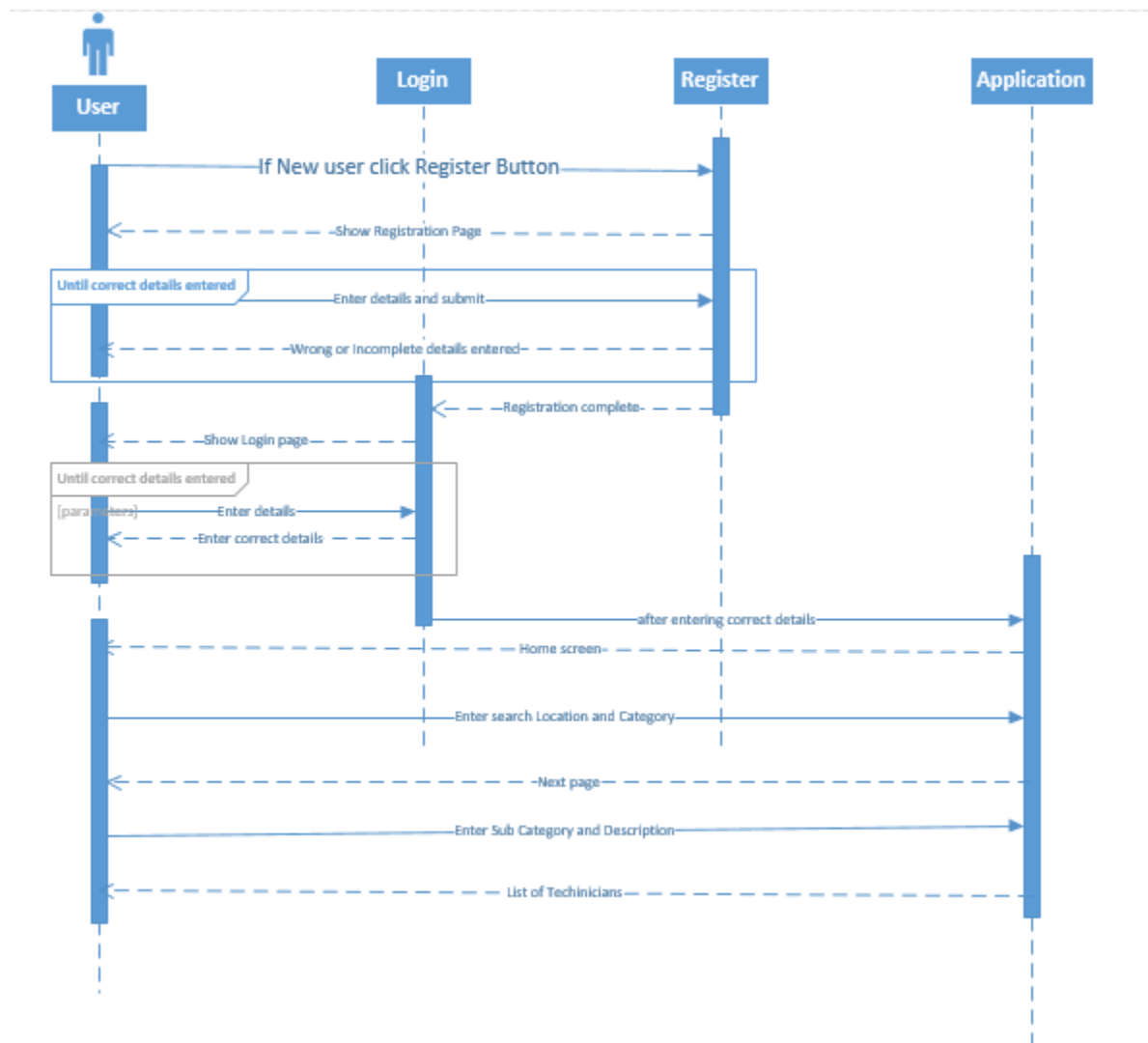
Enter your Comment if any

SUBMIT

## Architecture Diagram:

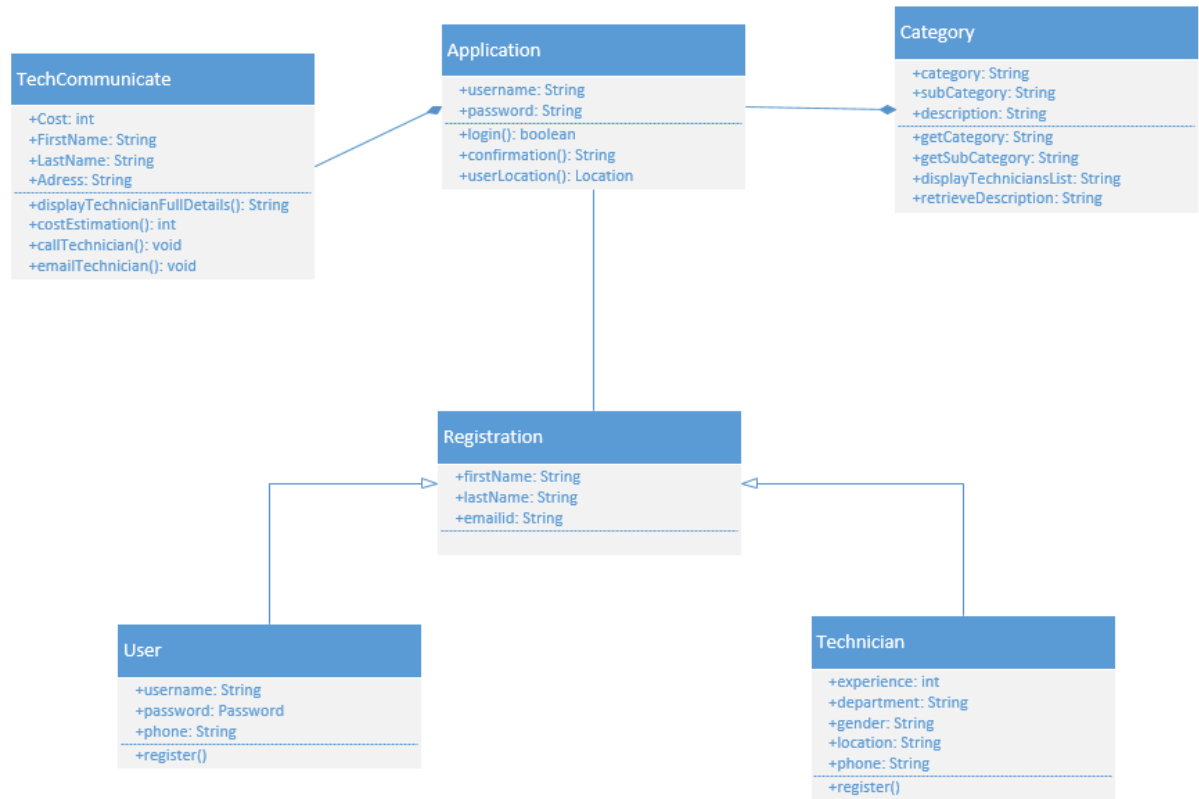


## Sequence Diagram:





## 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:**

## Sign in to Continue

GAkhilesh

.....

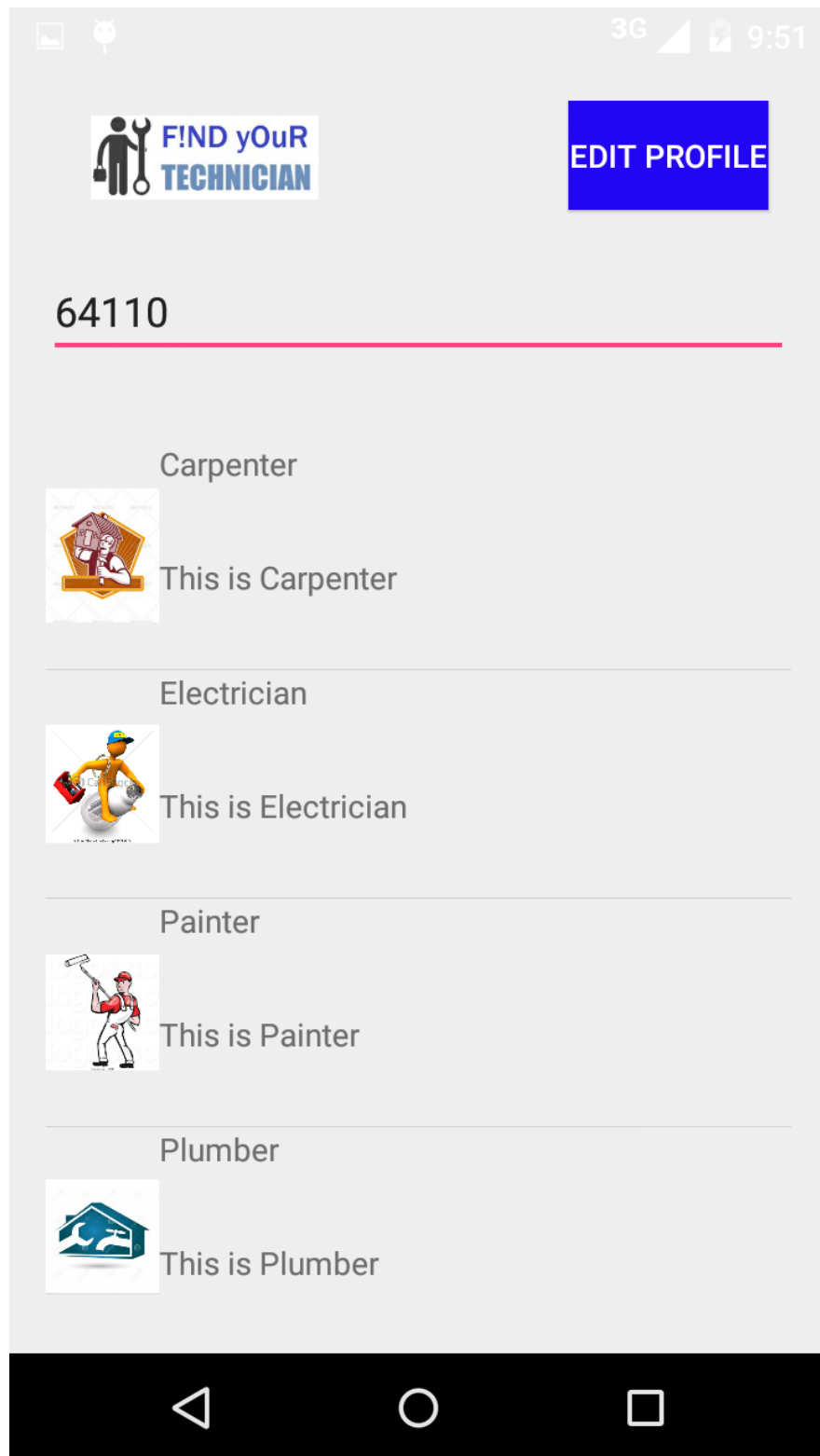
**SIGN IN**

**SIGN UP**

**Forgot Password?**  
**Are you a Technician?**



## Home Page:



## Sub Category Page:

2020 3G 1 67% 22:36


**Select a Sub-Category :**

Door Repair ▼

Description :

Repair in the front door

**GET TECHNICIAN DETAILS LIST**



## Technicians List Page:



The screenshot shows a mobile application interface with a blue status bar at the top displaying various icons and the time 21:51. The app's header features a logo with the letters 'FY' in a blue circle and the title 'Technicians List'. Below the header, the category 'Carpenter > Door Repair' is displayed. A table lists four technicians with their names, experience levels, base fares, and ratings. The table has a light beige background with horizontal dividers between rows.

Name	Experience	Base Fare	Rating
gshr hsjdj	1	1	1
Jacks Lucas	8	8	8
James Rousseau	4	4	4
Mark Jhanson	6	6	6




## Forgot Password Page:

ForgotPassword

### Forgot Password

Your Password will be sent to you through below mentioned email

User Name GAkhilesh



### User Registration Page:

[illegible]



### Technician Registration Page:



The image shows a mobile application interface for technician registration. At the top is a blue header bar. Below it is a status bar with various icons and the time 22:33. The main content area has a light beige background. It features a circular logo with the letters 'FYT' in blue and black. To the right of the logo is the title 'Technician Registration' in bold black text. Below the title are several input fields with labels on the left and values on the right. The labels are 'First name', 'Last Name', 'Email id', 'Contact', 'Address', 'City', 'State', and 'Pincode'. The values are 'Akhilesh', 'Gattu', 'eshgattu@gmail.com', '8167724258', 'Harrison street', 'Kansas City', 'Missouri', and '64110'. At the bottom of the form is a red button with the word 'REGISTER' in white capital letters.

<b>First name</b>	Akhilesh
<b>Last Name</b>	Gattu
<b>Email id</b>	eshgattu@gmail.com
<b>Contact</b>	8167724258
<b>Address</b>	Harrison street
<b>City</b>	Kansas City
<b>State</b>	Missouri
<b>Pincode</b>	64110

**REGISTER**

## Technician Details:



**Technician details**

Name : Mark Jhanson

Experience : 6

Category : Carpenter

Contact Number : 8169247569

Email ID : mark@gmail.com

Minimum Cost for  
your given problem : 70\$ per hour

**FEEDBACK**



## Feedback Page:

Feedback


Feedback

★ ★ ★ ★ ★

Comment

Fantastic job

SUBMIT



**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.

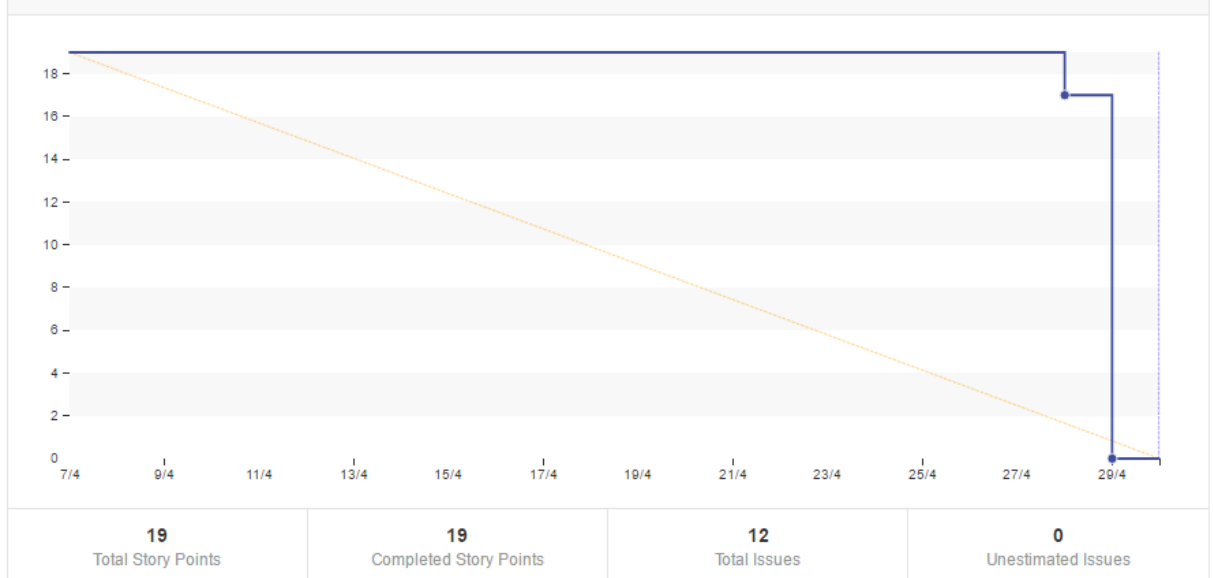
### Increment4

Database Integration and full testing

 Edit Milestone  Change Milestone ▾

Start: Apr 7, 2016 [Edit](#) | Due: Apr 30, 2016 [Edit](#)

powered by | ZenHub



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:

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

### Presentation Slides:

[https://github.com/SCE-UMKC/ASESP16\\_FindYourTechnician\\_Team6/tree/master/Final%20Presentation](https://github.com/SCE-UMKC/ASESP16_FindYourTechnician_Team6/tree/master/Final%20Presentation)

### Github Url:

[https://github.com/SCE-UMKC/ASESP16\\_FindYourTechnician\\_Team6](https://github.com/SCE-UMKC/ASESP16_FindYourTechnician_Team6)

### Video Url:

<https://youtu.be/mFv6HwEneEU>

