

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:



A wireframe of a mobile application login screen. At the top, there is a status bar with icons for Wi-Fi, cellular signal, battery, and the time 4:00. Below the status bar, the text "Sign in to Continue" is centered. Underneath, there are two input fields: "Username" and "Password". Below 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 enclosed in a thin black border. At the very bottom, there is a navigation bar with three icons: a back arrow, a circle, and a square.

User Registration:

4.00

REGISTRATION PAGE

First Name

Last Name

Email Id

UserName

Password

Confirm Password

Address

REGISTER

Technician Registration:

4.00

TECHNICIAN REGISTRATION PAGE

First Name

Last Name

Contact Number

Email Id

Experience

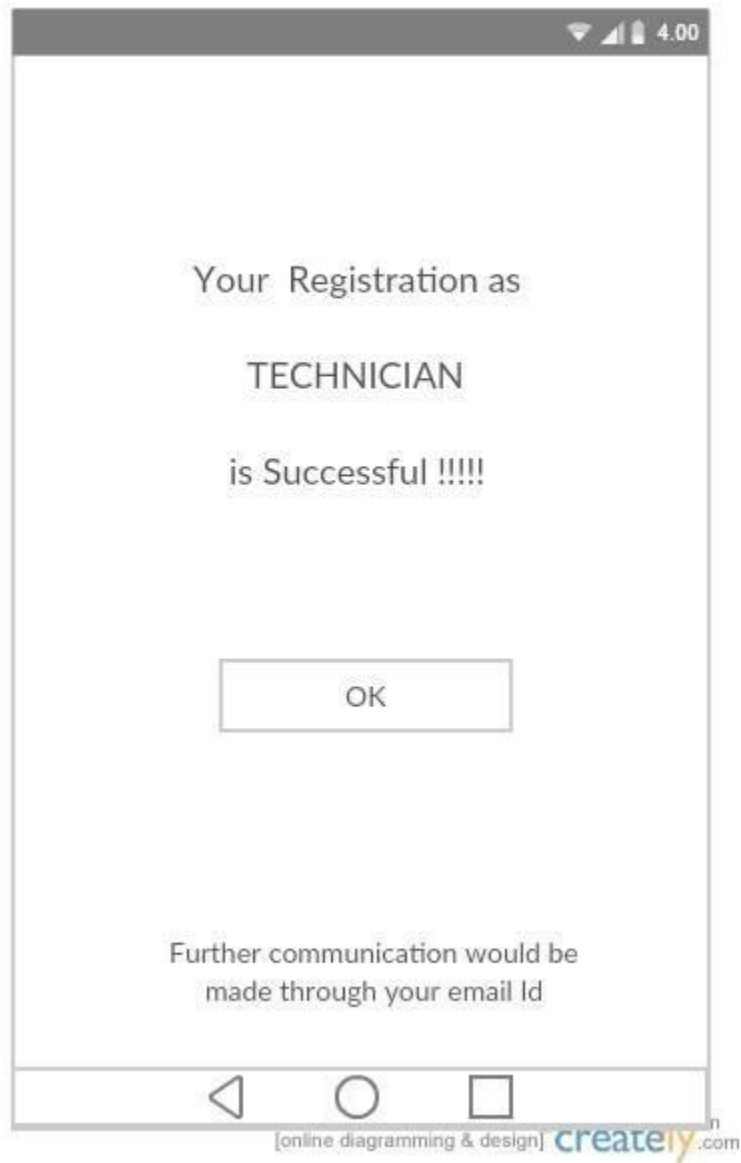
Address

Country

Zip code

NEXT

Technician Registration Completion:



Home Page:

4.00

Find your Technician

Enter Search Location

Carpenter

Electrician

Mechanic

Painter

Plumber

Login

Sub Category and Description:

4.00

← Find your Technician

Select Sub Category

Description

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 screenshot displays a mobile application interface with a dark grey header bar at the top containing status icons (Wi-Fi, cellular signal, battery) and the time '4.00'. Below the header is a white box with the title 'TECHNICIAN DETAILS'. The main content area is a large white rectangle containing six labels: 'Name:', 'Experience:', 'Category:', 'Contact Number:', 'Email ID:', and 'Cost:'. Each label is followed by a large, empty rectangular input field. At the bottom of the screen is a white bar with three standard Android navigation icons: a triangle, a circle, and a square.

TECHNICIAN DETAILS

Name:

Experience:

Category:

Contact Number:

Email ID:

Cost:

Forgot Password Page:

The image shows a mobile application wireframe for a 'Forgot Password' screen. 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'. The main content area is white and contains the following elements: a title 'Forgot Password' in a bold, italicized font; a message 'Your Password will be sent to you through below mentioned email' in a smaller, italicized font; a label 'Email ID' followed by a text input field labeled 'Textfield'; and a rectangular button labeled 'SEND EMAIL'. At the bottom of the screen is a white navigation bar with three icons: a back arrow, a circle, and a square. A watermark 'creately.com' is visible in the bottom right corner of the wireframe.

4.00

Forgot Password

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

Email ID

SEND EMAIL

creately.com

Confirm Password:



A mobile application interface for changing a password. 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 contains the title "Change Password" in a grey font. Below the title are three input fields, each with a label and a horizontal line for text entry. The labels are "Current Password", "New Password", and "Confirm Password". Below the input fields is a rectangular button with the text "UPDATE". At the bottom of the screen is a dark grey navigation bar with three white icons: a triangle pointing left, a circle, and a square. A watermark "createely.com" is visible in the bottom right corner of the screen.

Change Password

Current Password

New Password

Confirm Password

UPDATE

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Edit Profile Page:

The image shows a mobile application interface for a 'User Profile' page. At the top, there is a status bar with icons for Wi-Fi, cellular signal, battery, and the time '4.00'. Below this, the title 'User Profile' is centered. The form contains five input fields: 'Username :', 'First Name :', 'Last Name :', 'Email ID :', and 'Contact :', each followed by a horizontal line for text entry. Below these fields, there is a 'Change Password :' label next to a button labeled 'Click Here'. Further down, there is a large button labeled 'UPDATE PROFILE'. At the bottom of the screen, there is an Android navigation bar with three icons: a back arrow, a home circle, and a recent apps square. A watermark for 'createely.com' is visible at the bottom right of the screen.

User Profile

Username : _____

First Name : _____

Last Name : _____

Email ID : _____

Contact : _____

Change Password : [Click Here](#)

[UPDATE PROFILE](#)

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Feedback Page:

4.00

Feedback

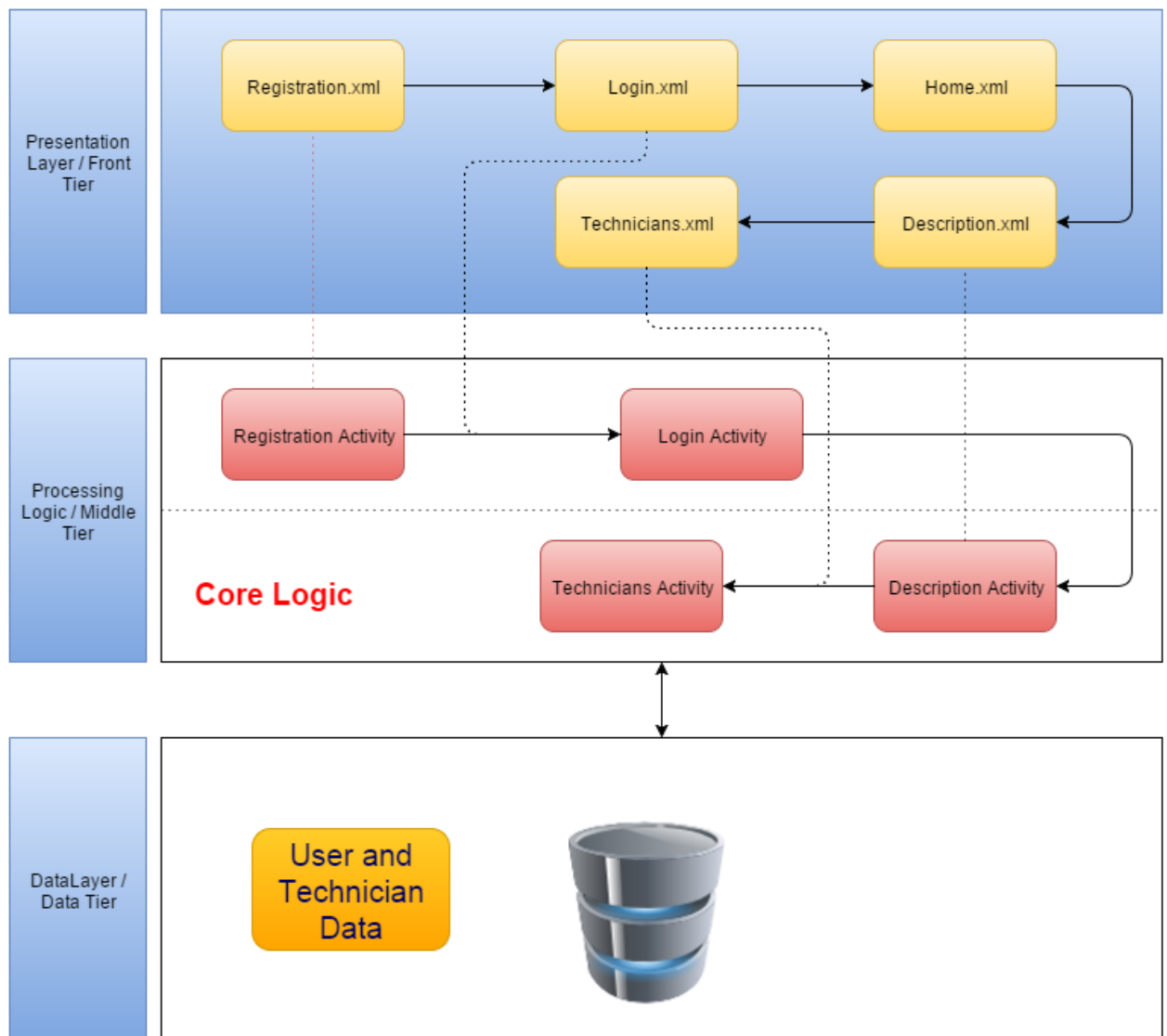
★ ★ ★ ★ ★

Comment

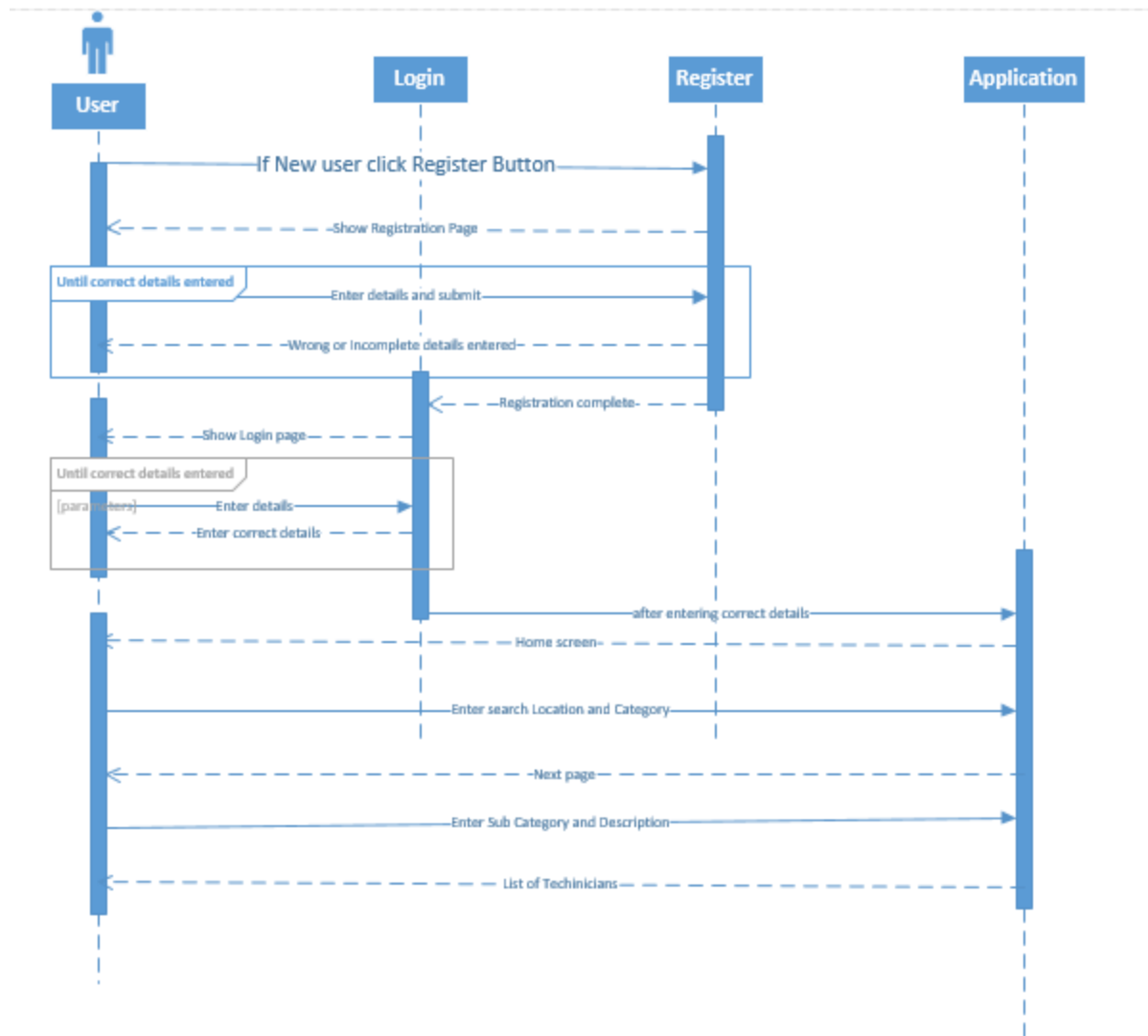
Enter your Comment if any

SUBMIT

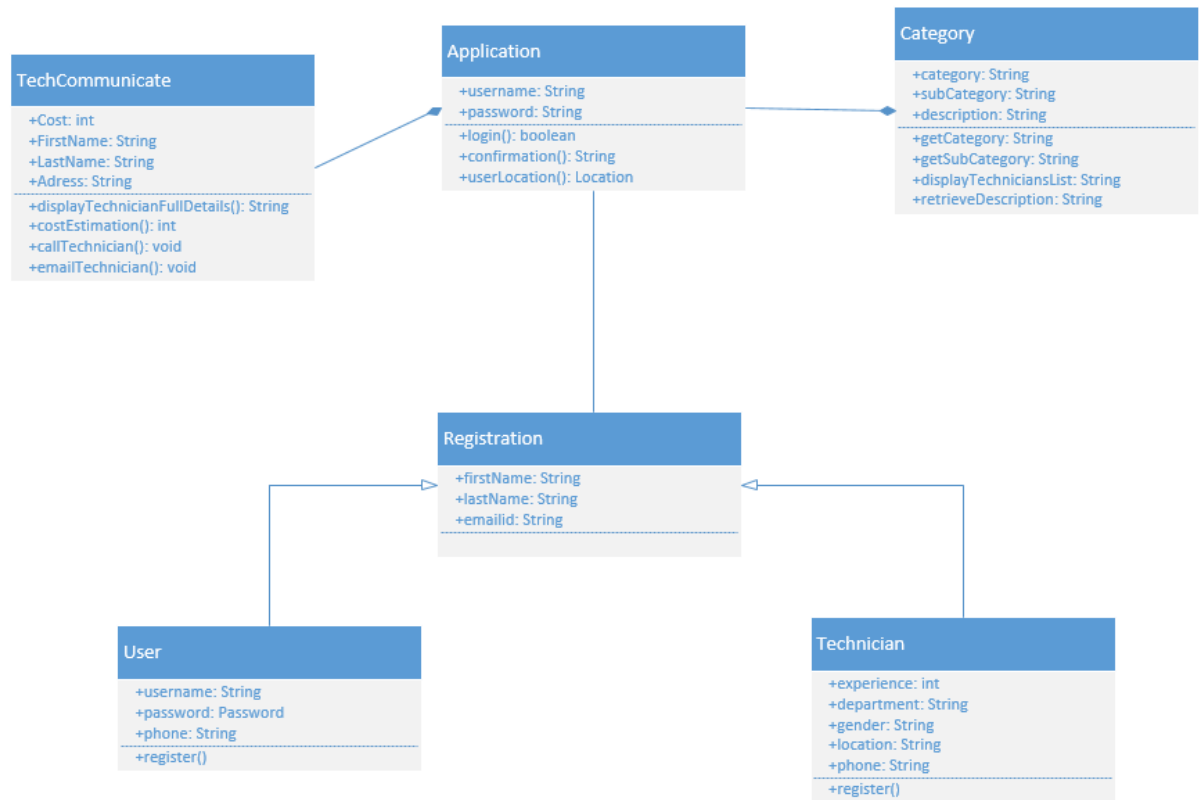
Architecture Diagram:



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.

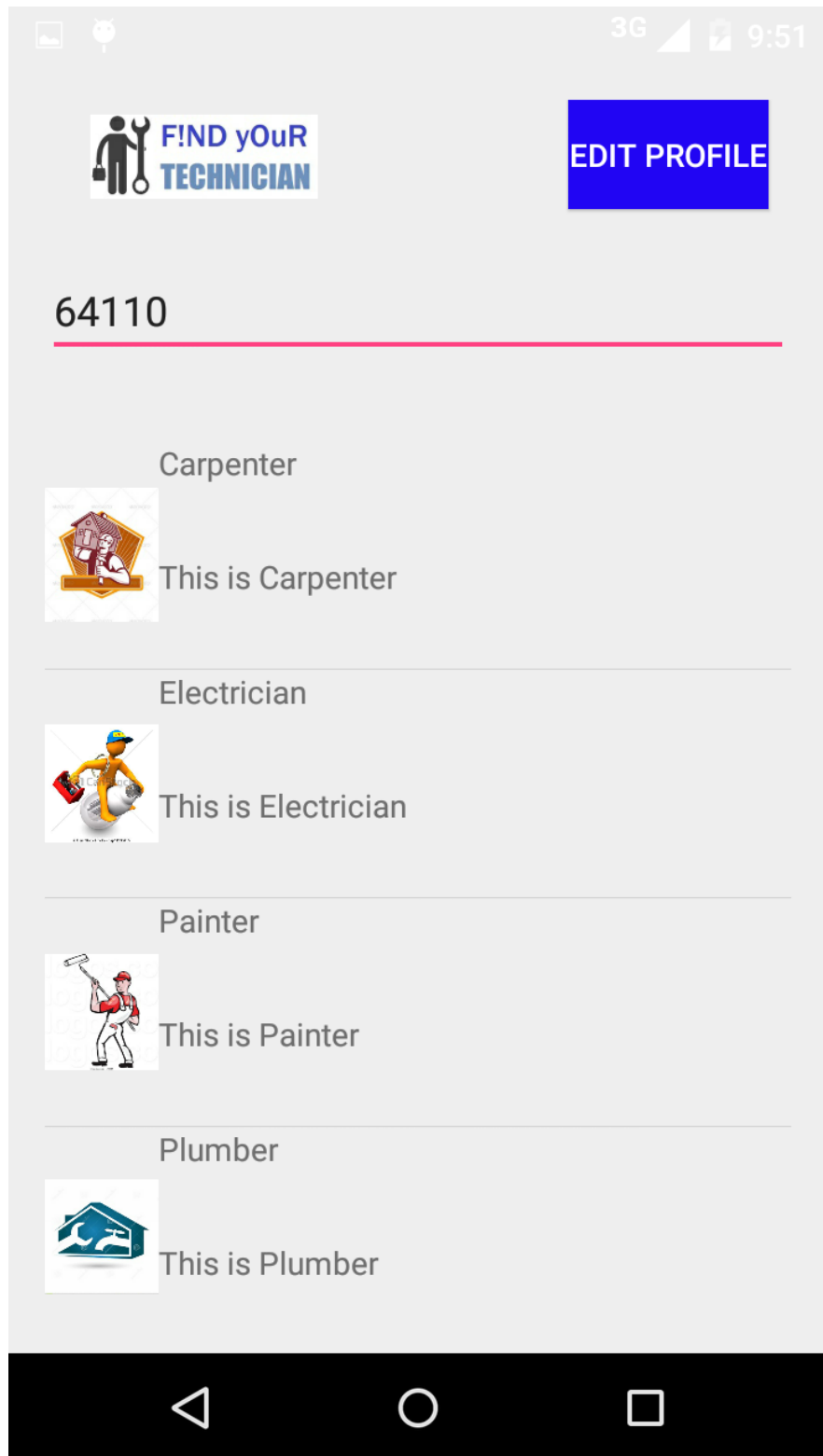
Implementation:

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:





Sub Category Page:

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Select a Sub-Category :

Door Repair ▼

Description :

Repair in the front door

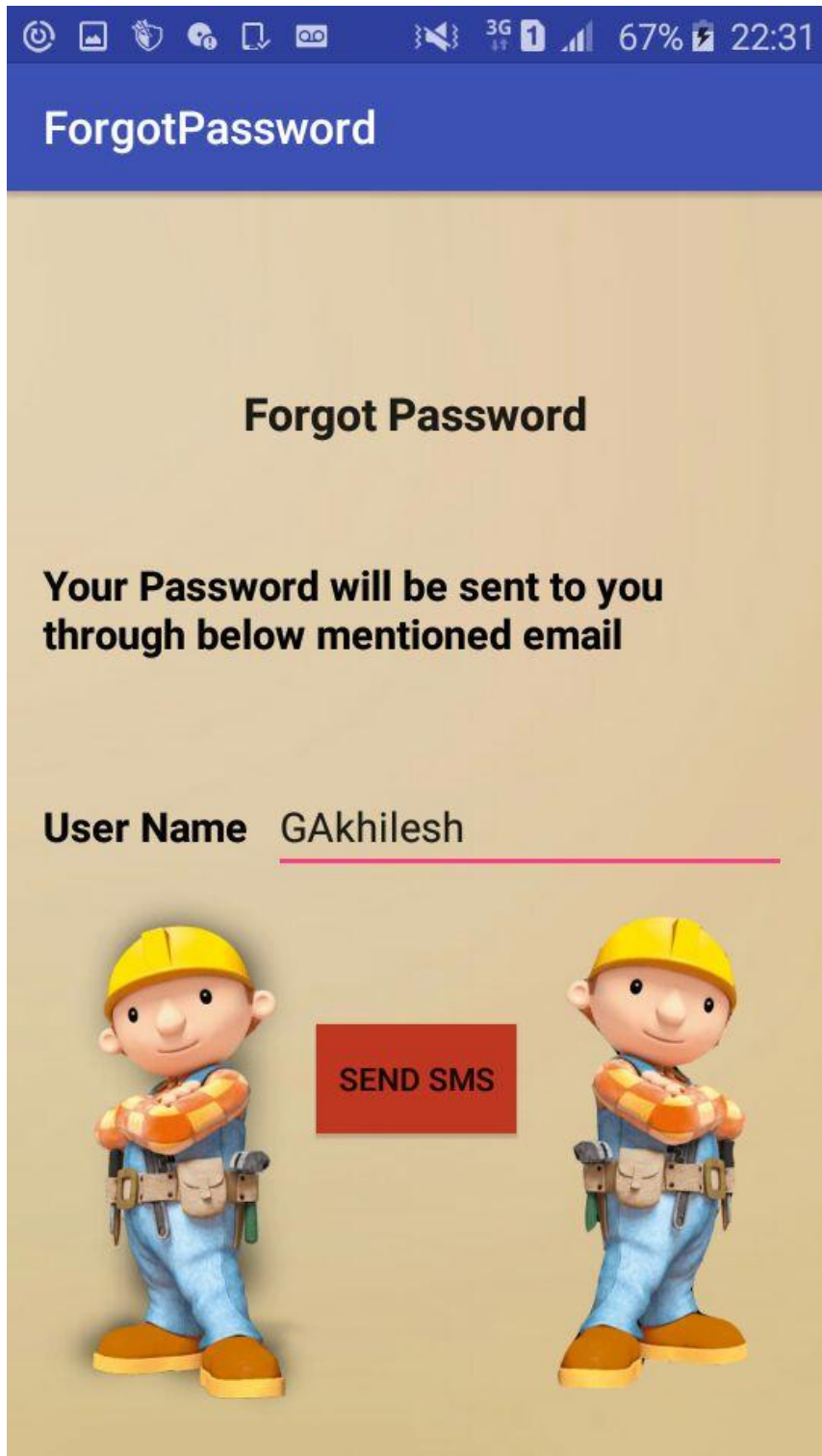
GET TECHNICIAN DETAILS LIST



Technicians List Page:

Technicians List			
Carpenter>Door Repair			
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:



User Registration Page:


Registration

First name	Akhilesh
Last Name	Gattu
Email id	eshgattu@gmail.com
Contact	8167724258
Username	GAkhilesh
Password
Confirm Password



Technician Registration Page:

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Technician Registration

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

REGISTER

Technician Details:

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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



Project Management:

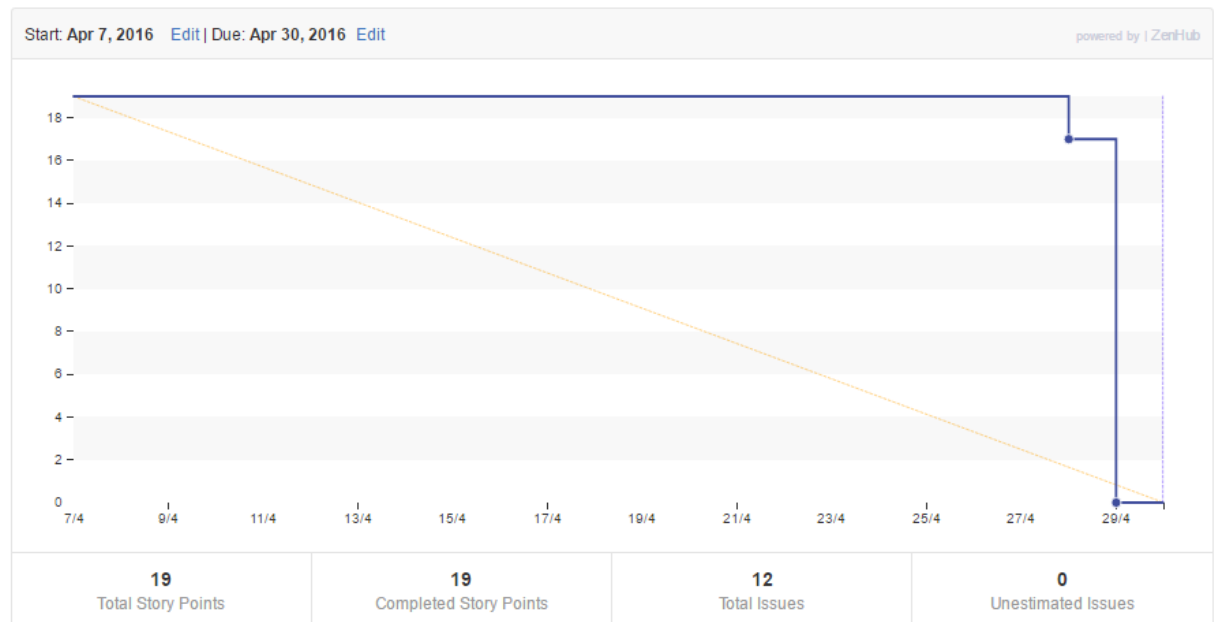
- **Work completed:**

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 ▾



📌 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>