A
PROJECT
ON

"CarPal"

Submitted to

Shiksha Mandal's
G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
(AUTONOMOUS)
In the Partial Fulfillment of

B.Com. (Computer Application) Final Year

Submitted by
Zahed Ahmed Khwaja
Tanushree Biroley

Under the Guidance of

Pravin J. Yadao

Shiksha Mandal's
G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
(AUTONOMOUS)
2021-2022

Shiksha Mandal's

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
(AUTONOMOUS)

CERTIFICATE

(2021 - 2022)

This is to certify that Mr. Zahed Ahmed Khwaja & Miss. Tanushree Biroley has completed their project on the topic of "CarPal" prescribed by G. S. College of Commerce & Economics, Nagpur (Autonomous) for B.Com. (Computer Application) – Semester-VI.

Date:

Place: Nagpur

Pravin J. Yadao

Project Guide

External Examiner **Internal Examiner**

ACKNOWLEDGEMENT

We take this opportunity to express our deep gratitude and whole hearted thanks to project guide Prof. Pravin Yadao, Coordinator for his guidance throughout this work. We are very much thankful to him for his constant encouragement, support and kindness.

We are also grateful to our teachers Prof. Rahul Tiwari, Prof. Sushma Gawande, Prof. Preeti Rangari, Prof. Prajkta Deshpande and Prof. Haresh Naringe for their encouragement, help and support from time to time.

We also wish to express our sincere thanks to Principal Dr. N. Y. Khandait for providing us wide range of opportunities, facilities and inspiration to gather professional knowledge and material without which this project could not have been completed.

Zahed Ahmed Khwaja

Tanushree Biroley

Date:

Place: Nagpur

DECLARATION

We **Zahed Ahmed Khwaja & Tanushree Biroley** hereby honestly declare that the work entitled **"CarPal"** submitted by us at G. S. College of Commerce & Economics, Nagpur (Autonomous) in partial fulfillment of requirement for the award of B.Com. (Computer Application) degree by Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur has not been submitted elsewhere for the award of any degree, during the academic session 2021-2022.

The project has been developed and completed by us independently under the supervision of the subject teacher and project guide.

Zahed Ahmed Khwaja

Tanushree Biroley

Date:

Place: Nagpur

INDEX

INTRODUCTION

Travelling is an essential part of every individual's life. We not only travel long distances, i.e inter City travel or inter state travel, but in busy, metropolis cities like mumbai, pune, nagpur etc. Public transport plays an important role in day to day travelling. But when it comes to traveling at night or at a specific or particular time, sometimes even public transportation doesn't help.

Though there are apps now like ola, uber, but they provide us services where we need to book the entire cab which might be a little costly. 'carpal' saves us from this issue. In our application, we provide the service of interacting with the user of the application where you can share your ride with someone who is traveling towards the same destination.

OBJECTIVES

- **Economic friendly**

As the user just has to pay for the fuel charged, unlike other applications where you've to pay for the services charges, and other taxes, it is economic friendly.

- **Safe for traveling at night**

Since girls face a lot of issues while traveling at night, and people also might feel unsafe in using public transport, this app will help you in choosing the driver with whom you want to travel.

- **Saves time**

As you don't have to wait for buses, and trains, it saves your time as you just have to book your cab.

- **Saves fuel**

As we know, that fuel is a non- renewable resource and since the fuel resources are depleting, using this app, and sharing the ride will save fuel efficiently.

- **User friendly interface**

The most important factor while creating an application is to make sure that it is user friendly. By providing a user friendly interface, it is made sure that the users can operate the application easily.

PRELIMINARY SYSTEM ANALYSIS

PRELIMINARY INVESTIGATION

Before creating any application or any project, preliminary investigation is necessary. Preliminary investigation is the process in which we identify the needs of the user. By identifying the needs of the user, we develop the web application or the website. As the user needs change with time, the need to first conduct preliminary investigation arises.

Preliminary investigation makes it clear for the development team on whether a new system is needed or not. It is also made clear in preliminary investigation that what are the flaws in the current system. How and where the current system is lagging and how can we improvise while creating the application or the website.

While developing this application we first investigated the other apps in use. We tried to understand how the apps work, and how can we improvise the apps in use. We tried understanding what level of logic and code is needed to develop the application, till which extend the user's demands are fulfilled and how the user's requirements are accomplished.

PRESENT SYSTEM IN USE

The present system comprises of applications that provide cab services. These services provide the user with options to choose a cab or a car or a two wheeler as per their very own convenience. These services let you choose the pick up point and the destination, where you want to go using the cab services. It also does provide the user with feedback option where the user can submit the feedback about the driver and the service provided.

FLAWS IN THE CURRENT SYSTEM

The flaws in the present system determine the factors on which we need to work on in the system about to be created. With time the user's requirements change and that creates flaws in the present system in use. The present system does not provide the user with the option to choose a driver. Also, it does not provide with the option to share your cab with any other user.

NEED FOR THE NEW SYSTEM

As discussed above, in the system which we have created, we have tried to overcome the flaws in the present system. We have added the option in this application, where the choice is given to the user whether the user wants to offer a ride to other users, or the user wants to take a ride from other users. This option enables the users to share a drive, save fuel and money.

FEASIBILITY STUDY

INTRODUCTION

Feasibility study means the extent to which the project is going to be successful. It takes into all the factors i.e technical, economic, behavioural, social which are needed to make a project successful in real sense.

It tells us whether a project is worth the investment—in some cases, a project may not be doable. There can be many reasons for this, including requiring too many resources, which not only prevents those resources from performing other tasks but also may cost more than an organization would earn back by taking on a project that isn't profitable.

A feasibility study in software engineering is an important part of the planning process that shows not only future benefits that software will bring to the business but also the ability of the business to develop such software effectively with their current resources.

TYPES OF FEASIBILITY STUDY

There are various types of feasibility study. They are: economic feasibility, technical feasibility, social feasibility, operational feasibility. Among all the types of feasibility study, economic

feasibility and technical feasibility is more important as compared to the others feasibility study.

ECONOMIC FEASIBILITY

In economic feasibility, the cost of the development of the project is considered and found out. In Economic Feasibility study cost and benefit of the project is analysed. Means under this feasibility study a detail analysis is carried out what will be cost of the project for development which includes all required cost for final development like hardware and software resource required, design and development cost and operational cost and so on. After that it is analyzed whether project will be beneficial in terms of finance for organization or not. Considering our project, it is not too costly and will just require the user to pay for the ride s/he takes. That cost entirely depends on the distance the user travels.

TECHNICAL FEASIBILITY

In technical feasibility, the technology, hardware and software used are analysed and assessed. This technical feasibility study gives report whether there exists correct required resources and technologies which will be used for project development. Along with

this, feasibility study also analyses technical skills and capabilities of technical team, existing technology can be used or not, maintenance and up-gradation is easy or not for chosen technology etc. Considering our project, the technical resources needed are smartphones which are now-a-days owned by everyone. It also requires a steady internet connection for the application to work. That is not very difficult as now a days, everyone either puts a data pack in their smartphones or every home or workplace has wifi connection.

OPERATIONAL FEASIBILITY

In Operational Feasibility degree of providing service to requirements is analysed along with how much easy product will be to operate and maintenance after deployment. Along with this other, operational scopes are determining usability of product, Determining suggested solution by software making team is acceptable or not etc. This assessment involves undertaking a study to analyse and determine whether—and how well—the organization's needs can be met by completing the project. Operational feasibility studies also examine how a project plan satisfies the requirements identified in the requirements analysis phase of system development. In our

project, we've made less complex interface, which helps the users to operate the app easily and is hassle free.

LEGAL FEASIBILITY

This assessment investigates whether any aspect of the proposed project conflicts with legal requirements like zoning laws, data protection acts or social media laws. Let's say an organization wants to construct a new office building in a specific location. A feasibility study might reveal the organization's ideal location isn't zoned for that type of business. That organization has just saved considerable time and effort by learning that their project was not feasible right from the beginning. Our project does not violate any laws, rules or regulations, as we have used the open-source references and websites, which provide free material to use.

SOCIAL FEASIBILITY

The effect that a proposed project may have on the social system in the project environment is addressed in the social feasibility. Well, our project is made keeping in the mind the general public. It will be used by the general public and hence it is not going to harm anyone's sentiments. Thus, the project is feasible socially.

PROJECT CATEGORY

PROJECT CATEGORY

Our project falls under the category of web application. In our project, 'CARPAL' we've used Java language, IDE: Android Studio for the front end, and for the backend, we've used SQL LITE.

PROGRAMMING LANGUAGES USED IN THE PROJECT

JAVA

Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible. It is a general-purpose programming language intended to let programmers write once, run anywhere (WORA), meaning that compiled Java code can run on all platforms that support Java without the need to recompile. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of the underlying computer architecture. The syntax of Java is similar to C and C++, but has fewer low-level facilities than either of them. The Java runtime provides dynamic capabilities (such as reflection and runtime code modification) that are typically not available in traditional compiled languages. As of 2019, Java was one of the most popular programming languages in

use according to GitHub, particularly for client–server web applications, with a reported 9 million developers. Java is a popular programming language, created in 1995. It is owned by Oracle, and more than 3 billion devices run Java.

It is used for:

• Mobile applications (especially Android apps)

• Desktop applications

• Web applications

• Web servers and application servers

• Games

• Database connection.

Some popular applications built on java are:

• Adobe Reader

• Amazon

• Google Earth

• Uber

SQL (STRUCTURED QUERY LANGUAGE)

SQL Structured Query Language) is a domain-specific language used in programming and designed for managing data held in a relational database management system (RDBMS), or for stream processing in a relational data stream management system (RDSMS). It is particularly useful in handling structured data, i.e. data incorporating relations among entities and variables. SQL offers two main advantages over older read–write APIs such as ISAM or VSAM. Firstly, it introduced the concept of accessing many records with one single command. Secondly, it eliminates the need to specify how to reach a record, e.g. with or without an index.

Originally based upon relational algebra and tuple relational calculus, SQL consists of many types of statements,which may be informally classed as sublanguages, commonly: a data query language (DQL), a data definition language (DDL), a data control language (DCL), and a data manipulation language (DML).The scope of SQL includes data query, data manipulation (insert, update and delete), data definition (schema creation and modification), and data access control. Although SQL is essentially a declarative language, it also includes procedural elements.

APPLICATIONS OF SQL

As mentioned before, SQL is one of the most widely used query language over the databases. I'm going to list few of them here:

• Allows users to access data in the relational database management systems.

• Allows users to describe the data.

• Allows users to define the data in a database and manipulate that data.

•Allows to embed within other languages using SQL modules, libraries & pre-compilers.

• Allows users to create and drop databases and tables.

• Allows users to create view, stored procedure, functions in a database.

• Allows users to set permissions on tables, procedures and views.

SOFTWARE AND HARDWARE REQUIREMENT SPECIFICATION

SOFTWARE AND HARDWARE REQUIREMENT SPECIFICATION

Every application needs the software in which it has to be executed and a hardware the application is going to perform its function. Some application cannot run on every platforms and some applications needs some specific requirement in the software or in hardware to get operated. Let's take an example of the applications which cannot be run on every platforms like windows, android, Linux, etc. Applications made in visual basic is only supported for the windows, one cannot access this applications from the mobile phones, etc. So, here are some hardware and software specifications which are mandatory for the application to get operated.

HARDWARE NEEDED

Hardware is a physical parts that cause processing of data. Hardware refers to the physical components of a computer. Computer Hardware is any part of the computer that we can touch these parts. These are the primary electronic devices used to build up the computer.

Following are the hardware that were used to build our project:

Laptop: with Min 8gb ram (without emulator)

16 gb ram (with emulator) for smooth working of the application.

250 GB Hard Disk or More. CD ROM Drive.

Wi-Fi Adaptor or an active internet connection.

Android device with android version 8+.

SOFTWARE NEEDED

Software can be termed as the group of instruction or command used by the computer to accomplish the given task. It can be said as a set of instructions or programs instructing a computer to do specific task. Software in general term is used to describe the computer programs.

Following are the software specifications that is required to develop this project is as follows:

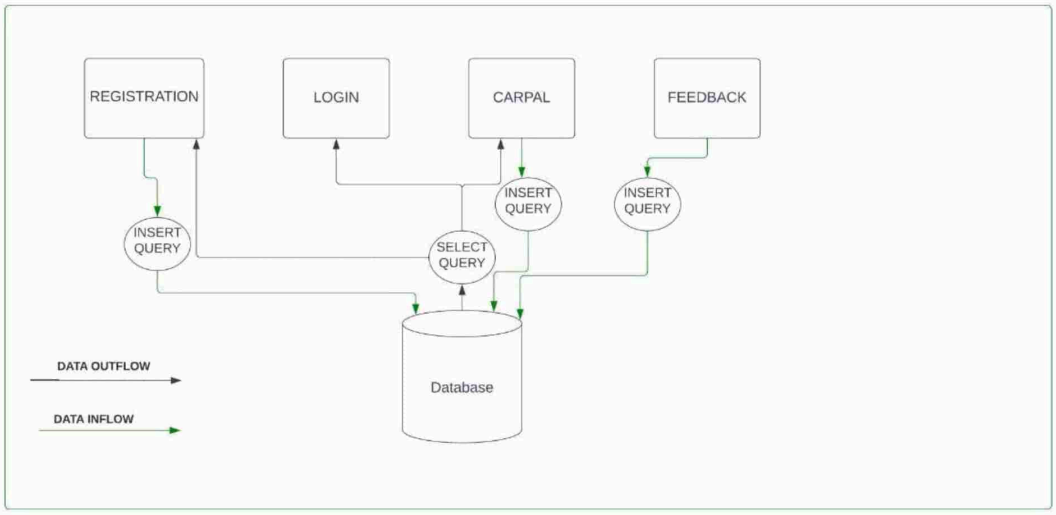
Language used (front end): Java

Language used (backend): SQL LITE.

IDE used: Android Studio.

DETAILED SYSTEM ANALYSIS

DATA FLOW DIAGRAM



DATA TABLES

USER 1

Table: user

	name	phone	email	age	country	pass
	Filter	Filter	Filter	Filter	Filter	Filter
1	karan	8877665544	abc@gmail.com	19	India	abcd

Table: Feedback

	rating	suggestions
	Filter	Filter
1	5	Awesome service provided.

USER 2

Table: user

	name	phone	email	age	country	pass
	Filter	Filter	Filter	Filter	Filter	Filter
1	zahed	9977553311	zyx@gmail.com	26	India	abc123

Table: Feedback

	rating	suggestions
	Filter	Filter
1	4	nice experience.

USER 3

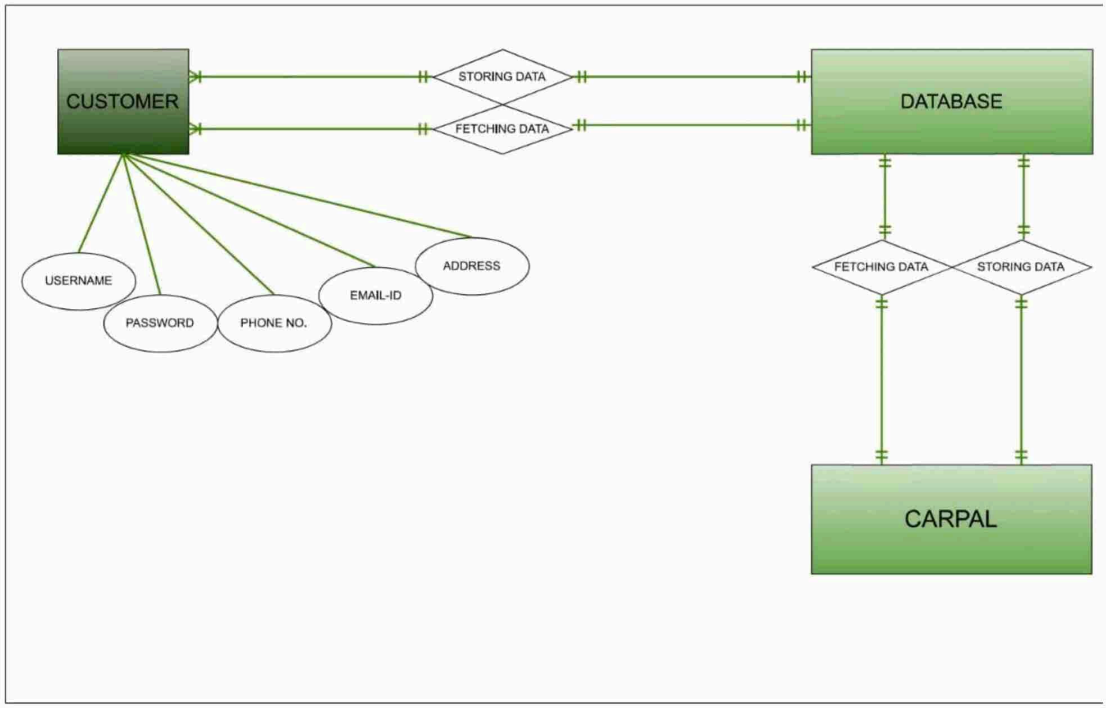
Table: user

	name	phone	email	age	country	pass
	Filter	Filter	Filter	Filter	Filter	Filter
1	tanushree	8866442200	tb@gmail.com	21	India	xyz123

Table: Feedback

	rating	suggestions
	Filter	Filter
1	5	wonderful ride experience i ever had.

ENTITY RELATIONSHIP DIAGRAM



SOURCE CODE

MAIN PAGE

MainActivity.java

```
package com.example.myapplication;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;


import android.content.Context;

import android.content.Intent;

import android.os.Bundle;


//import android.app.Activity;

import android.graphics.Color;

//import android.os.Bundle;

import android.text.Editable;

import android.view.Menu;

import android.view.MenuItem;
```

```
import android.view.View;


import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import  android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
public class signup extends AppCompatActivity {
    Button button1;
    EditText et1,et2,et3,et4,et5,et6;
    SQLiteDatabase db1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_signup);
```

```
        db1=openOrCreateDatabase("user",
Context.MODE_PRIVATE,null);
        button1 = (Button)findViewById(R.id.sign);
        et1 = (EditText)findViewById(R.id.editText);
        et2 = (EditText)findViewById(R.id.phone);
        et3 = (EditText)findViewById(R.id.email);
        et4 = (EditText)findViewById(R.id.age);
        et5 = (EditText)findViewById(R.id.country);
        et6 = (EditText)findViewById(R.id.editText2);
        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String q="Insert into user
Values('"+et1.getText().toString()+"','"+et2.getText()+"','"+et3.getT
ext().toString()+"','"+et4.getText()+"','"+et5.getText().toString()+"','
"+et6.getText().toString()+"')";
                db1.execSQL(q);
                Toast.makeText(getApplicationContext(),"Record Has
Addedd",Toast.LENGTH_SHORT).show();
```

```
            Intent a=new Intent(getApplicationContext(),login.class);
            startActivity(a);
            finish();
//              Intent i=new
Intent(getApplicationContext(),login.class);
//              Intent i2=new
Intent(getApplicationContext(),profile.class);
//              Intent i3=new
Intent(getApplicationContext(),profile.class);
//              Intent i4=new
Intent(getApplicationContext(),profile.class);
//              Intent i5=new
Intent(getApplicationContext(),profile.class);
//              Intent j=new
Intent(getApplicationContext(),login.class);
//              String x=et1.getText().toString();
//              String x2=et2.getText().toString();
//              String x3=et3.getText().toString();
//              String x4=et4.getText().toString();
```

```
//              String x5=et5.getText().toString();
//              Editable x6=et6.getText();
//              i.putExtra("data",x);
//              i2.putExtra("data",x2);
//              i3.putExtra("data",x3);
//              i4.putExtra("data",x4);
//              i5.putExtra("data",x5);
//              j.putExtra("data",x6);
//              startActivity(i);
//            \  startActivity(j);
            }
        });
    }
}
```

activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
```

```
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="#318326"
android:foregroundTint="#F8F4F4"
tools:context=".MainActivity">

<Button
    android:id="@+id/show_btn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/p_Bar"
    android:layout_marginLeft="160dp"
    android:layout_marginTop="21dp"
    android:text="Start" />

<ProgressBar
```

```
    android:id="@+id/p_Bar"
    style="?android:attr/progressBarStyleHorizontal"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="105dp"
    android:layout_marginTop="400dp"
    android:foregroundTint="#FFFFFF"
    android:indeterminate="false"
    android:max="100"
    android:minWidth="200dp"
    android:minHeight="50dp"
    android:progress="0"
    android:progressTint="#FFFFFF" />

<ImageView
    android:id="@+id/imageView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
```

```
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginTop="62dp"
    android:layout_marginEnd="0dp"
    android:layout_marginBottom="205dp"
    app:srcCompat="@drawable/carpal_white" />

<!--    <TextView-->
<!--        android:id="@+id/tv"-->
<!--        android:layout_width="wrap_content"-->
<!--        android:layout_height="wrap_content"-->
<!--        android:layout_below="@+id/p_Bar"-->
<!--        android:layout_alignLeft="@+id/p_Bar"-->
<!--        android:layout_marginLeft="0dp"-->
<!--        android:layout_marginTop="0dp" />-->
```

```
</RelativeLayout>

<!--</androidx.constraintlayout.widget.ConstraintLayout>-->
```

LOGIN PAGE

login.java

```
package com.example.myapplication;


import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;


import android.content.Context;

import android.content.Intent;

import android.database.Cursor;

import android.database.sqlite.*;

import android.content.Intent;

import android.os.Bundle;
```

```
//import android.app.Activity;

import android.graphics.Color;

//import android.os.Bundle;

import android.text.Editable;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;


import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;



public class login extends AppCompatActivity {

    Button button1,button2,button3;

    EditText text1,text2;

    SQLiteDatabase db1;
```

```
    TextView tx1;
    int counter = 3;
    Cursor cr1,cr2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        Boolean e=false,p=false;
        setContentView(R.layout.activity_login);
        db1=openOrCreateDatabase("user",
Context.MODE_PRIVATE,null);
        db1.execSQL("Create table If Not Exists user(name
varchar(20),phone int,email varchar(30),age int,country
varchar(20), pass varchar(20));");


        button1 = (Button)findViewById(R.id.log);
        text1 = (EditText)findViewById(R.id.loginName);
        text2 = (EditText)findViewById(R.id.loginPass);
        button3 = (Button)findViewById(R.id.button4);
        button2 = (Button)findViewById(R.id.signpage);
```

```
        tx1 = (TextView)findViewById(R.id.textView3);
        tx1.setVisibility(View.GONE);


        String q1="select * from user";
        cr1=db1.rawQuery(q1,null);
        cr1.moveToNext();


        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {


//To show password
                //text1.setText(cr1.getString(0));
                //text2.setText(cr1.getString(5));
//            String u= cr1.getString(0);
//            String pa= cr1.getString(2);
//                String q1="select phone from user";
//                cr1=db1.rawQuery(q1,null);
```

```
//              cr1.moveToNext();
//              String ele[]=new String[cr1.getCount()];
//              int p=0;
//              while(cr1.moveToNext())
//              {String s1=cr1.getString(0);
//                 ele[p]=s1;
//                 p++;}
//
//              String q2="select pass from user";
//              cr2=db1.rawQuery(q2,null);
//              cr2.moveToNext();
//              String ele2[]=new String[cr2.getCount()];
//              int c=0;
//              while(cr2.moveToNext())
//              {String s2=cr2.getString(0);
//                 ele[c]=s2;
//                 c++;}
//
```

```
            if(text1.getText().toString().equals(cr1.getString(0)) &&
                    text2.getText().toString().equals(cr1.getString(5))) {
                Intent a=new
Intent(getApplicationContext(),select.class);
                startActivity(a);
                finish();
//                  Toast.makeText(getApplicationContext(),
//
"Redirecting...",Toast.LENGTH_SHORT).show();
            }else{
                Toast.makeText(getApplicationContext(), "Wrong
Credentials",Toast.LENGTH_SHORT).show();

                tx1.setVisibility(View.VISIBLE);
                tx1.setBackgroundColor(Color.RED);
                counter--;
                tx1.setText(Integer.toString(counter));

                if (counter == 0) {
```

```
                    button1.setEnabled(false);
                }
            }


        }}
    );
//              Intent i=getIntent();
//              Intent j=getIntent();
//              String x =i.getExtras().getString("data");
//              String x6=j.getExtras().getString("data");
//text1.setText(""+x);
//              text1.setText(""+x6);


//              String un = text1.getText().toString();
//              Editable pw = text2.getText();
//              boolean correct1 = x.equals(un);
//              boolean correct2 = x6.equals(pw);
//
```

```
//              if(correct1 && correct2) {
//                  Intent a=new
Intent(getApplicationContext(),select.class);
//                  startActivity(a);
//                  finish();
////                   Toast.makeText(getApplicationContext(),
////
"Redirecting...",Toast.LENGTH_SHORT).show();
//              }else{
//                  Toast.makeText(getApplicationContext(), "Wrong
Credentials",Toast.LENGTH_SHORT).show();
//
//                  tx1.setVisibility(View.VISIBLE);
//                  tx1.setBackgroundColor(Color.RED);
//                  counter--;
//                  tx1.setText(Integer.toString(counter));
//
//                  if (counter == 0) {
//                      button1.setEnabled(false);
```

```
//                    }
//                }
//
//            }}
//        );


        button2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent a=new
Intent(getApplicationContext(),signup.class);
                startActivity(a);
                finish();
            }


        });
        button3.setOnClickListener(new View.OnClickListener() {
            @Override
```

```
            public void onClick(View view) {
                Intent a=new
Intent(getApplicationContext(),forget.class);
                startActivity(a);
                finish();
            }


        });


    }
}
```

activity_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#318326"
```

```
android:backgroundTint="#318326"
android:foregroundTint="#0C0C0C"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context=".MainActivity">

<TextView
    android:id="@+id/textview"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:text="Login"
    android:textSize="35dp" />

<EditText
```

```
    android:id="@+id/loginName"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_below="@+id/imageView"

    android:layout_alignParentStart="true"

    android:layout_alignParentLeft="true"

    android:layout_alignParentEnd="true"

    android:layout_alignParentRight="true"

    android:layout_marginTop="46dp"

    android:focusable="true"

    android:hint="Enter Name"

    android:minHeight="48dp"

    android:singleLine="true"

    android:textColor="#F4F0F0"

    android:textColorHighlight="#ff7eff15"

    android:textColorHint="#F6F6F6" />


<ImageView
```

```
    android:id="@+id/imageView"
    android:layout_width="274dp"
    android:layout_height="213dp"
    android:layout_below="@+id/textView"
    android:layout_centerHorizontal="true"
    android:src="@drawable/carpal_white" />

<EditText
    android:id="@+id/loginPass"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/loginName"
    android:layout_alignEnd="@+id/loginName"
    android:layout_alignRight="@+id/loginName"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:ems="10"
    android:hint="Password"
```

```
    android:inputType="textPassword"
    android:minHeight="48dp"
    android:textColor="#F4F0F0"
    android:textColorHint="#F8F6F7" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/loginPass"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:text="Attempts Left:"
    android:textColor="#EDEDED"
    android:textSize="25dp" />

<TextView
    android:id="@+id/textView3"
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignTop="@+id/textView2"
    android:layout_alignBottom="@+id/textView2"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_toEndOf="@+id/textview"
    android:layout_toRightOf="@+id/textview"
    android:text="New Text"
    android:textColor="#EDE4E4"
    android:textSize="25dp" />

<Button
    android:id="@+id/log"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_toStartOf="@+id/textview"
```

```
    android:layout_toLeftOf="@+id/textview"
    android:text="login" />

<Button
    android:id="@+id/button4"
    android:layout_width="395dp"
    android:layout_height="59dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_gravity="start"
    android:layout_marginStart="30dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="34dp"
    android:layout_marginBottom="144dp"
    android:enabled="true"
    android:text="Forget password"
    android:textColor="#F8F6F6"
```

```
        android:textColorHint="#FDFDFD" />


    <Button
        android:id="@+id/signpage"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_toEndOf="@+id/textview"
        android:layout_toRightOf="@+id/textview"
        android:text="SIGNUP" />


</RelativeLayout>
```

FORGOT PASSWORD

forget.java

```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Context;

import android.content.Intent;

import android.database.Cursor;

import android.database.sqlite.*;

import android.content.Intent;

import android.os.Bundle;


//import android.app.Activity;

import android.graphics.Color;

//import android.os.Bundle;

import android.text.Editable;

import android.view.View;


import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;
```

```
public class forget extends AppCompatActivity {
EditText t1,t2,t3;
Button b1;
SQLiteDatabase db1;


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_forget);
          db1=openOrCreateDatabase("user",
Context.MODE_PRIVATE,null);
        t1=findViewById(R.id.username2);
        t2=findViewById(R.id.pass1);
        t3=findViewById(R.id.pass2);
        b1=findViewById(R.id.login2);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
```

```
String i=t2.getText().toString();
                String j=t3.getText().toString();
                boolean correct = i.equals(j);
               if (correct)
               { String q= "Update user set
pass=('"+t2.getText().toString()+"')where pass='"+t1+"'";
                   db1.execSQL(q);
                   Toast.makeText(getApplicationContext(),"password
changed",Toast.LENGTH_SHORT).show();
                   Intent a=new
Intent(getApplicationContext(),login.class);
                   startActivity(a);
                   finish();
               }
            }
        });
    }}
```

activity_forget.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#318326"
    tools:context=".forget">

    <EditText
        android:id="@+id/username2"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="36dp"
        android:hint="User Name"

        android:selectAllOnFocus="true"
        android:textColor="#F8F6F6"
```

```
    android:textColorHint="#FDFDFD"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/pass1"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="128dp"
    android:hint="Enter password"

    android:selectAllOnFocus="true"
    android:textColor="#F8F6F6"
    android:textColorHint="#FDFDFD"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
```

```
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/pass2"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="204dp"
    android:hint="Re-enter password"

    android:selectAllOnFocus="true"
    android:textColor="#F8F6F6"
    android:textColorHint="#FDFDFD"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
    <Button
        android:id="@+id/login2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="start"
        android:layout_marginTop="16dp"
        android:layout_marginBottom="328dp"

        android:text="change password"
        android:textColor="#F8F6F6"
        android:textColorHint="#FDFDFD"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.446"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/password"
        app:layout_constraintVertical_bias="0.2" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

SIGNUP PAGE

signup.java

```
package com.example.myapplication;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;


import android.content.Context;

import android.content.Intent;

import android.os.Bundle;


//import android.app.Activity;

import android.graphics.Color;

//import android.os.Bundle;

import android.text.Editable;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;
```

```
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import  android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
public class signup extends AppCompatActivity {
    Button button1;
    EditText et1,et2,et3,et4,et5,et6;
    SQLiteDatabase db1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_signup);
        db1=openOrCreateDatabase("user",
Context.MODE_PRIVATE,null);
        button1 = (Button)findViewById(R.id.sign);
```

```
        et1 = (EditText)findViewById(R.id.editText);
        et2 = (EditText)findViewById(R.id.phone);
        et3 = (EditText)findViewById(R.id.email);
        et4 = (EditText)findViewById(R.id.age);
        et5 = (EditText)findViewById(R.id.country);
        et6 = (EditText)findViewById(R.id.editText2);
        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String q="Insert into user
Values('"+et1.getText().toString()+"','"+et2.getText()+"','"+et3.getT
ext().toString()+"','"+et4.getText()+"','"+et5.getText().toString()+"','
"+et6.getText().toString()+"')";
                db1.execSQL(q);
                Toast.makeText(getApplicationContext(),"Record Has
Addedd",Toast.LENGTH_SHORT).show();
                Intent a=new Intent(getApplicationContext(),login.class);
                startActivity(a);
                finish();
```

```
//              Intent i=new
Intent(getApplicationContext(),login.class);
//              Intent i2=new
Intent(getApplicationContext(),profile.class);
//              Intent i3=new
Intent(getApplicationContext(),profile.class);
//              Intent i4=new
Intent(getApplicationContext(),profile.class);
//              Intent i5=new
Intent(getApplicationContext(),profile.class);
//              Intent j=new
Intent(getApplicationContext(),login.class);
//              String x=et1.getText().toString();
//              String x2=et2.getText().toString();
//              String x3=et3.getText().toString();
//              String x4=et4.getText().toString();
//              String x5=et5.getText().toString();
//              Editable x6=et6.getText();
//              i.putExtra("data",x);
```

```
//              i2.putExtra("data",x2);
//              i3.putExtra("data",x3);
//              i4.putExtra("data",x4);
//              i5.putExtra("data",x5);
//              j.putExtra("data",x6);
//              startActivity(i);
//              startActivity(j);
            }
        });
    }
}
```

activity_signup.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
```

```
android:background="#318326"
android:elevation="2dp"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context=".MainActivity">

<EditText
    android:id="@+id/age"
    android:layout_width="395dp"
    android:layout_height="wrap_content"
    android:layout_below="@+id/editText"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="10dp"
    android:layout_marginLeft="10dp"
```

```
    android:layout_marginTop="106dp"
    android:layout_marginRight="54dp"
    android:focusable="true"
    android:hint="Age"
    android:minHeight="48dp"
    android:singleLine="true"
    android:textColor="#F4F0F0"
    android:textColorHighlight="#ff7eff15"
    android:textColorHint="#F6F6F6" />

<EditText
    android:id="@+id/country"
    android:layout_width="396dp"
    android:layout_height="51dp"
    android:layout_below="@+id/editText"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentRight="true"
```

```
    android:layout_marginStart="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="153dp"
    android:layout_marginRight="54dp"
    android:focusable="true"
    android:hint="Country"
    android:minHeight="48dp"
    android:singleLine="true"
    android:textColor="#F4F0F0"
    android:textColorHighlight="#ff7eff15"
    android:textColorHint="#F6F6F6" />

<EditText
    android:id="@+id/email"
    android:layout_width="395dp"
    android:layout_height="wrap_content"
    android:layout_below="@+id/editText"
    android:layout_alignParentStart="true"
```

```
    android:layout_alignParentLeft="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="54dp"
    android:layout_marginRight="54dp"
    android:focusable="true"
    android:hint="Email ID"
    android:inputType="textEmailAddress"
    android:minHeight="48dp"
    android:singleLine="true"
    android:textColor="#F4F0F0"
    android:textColorHighlight="#ff7eff15"
    android:textColorHint="#F6F6F6" />

<EditText
    android:id="@+id/editText2"
    android:layout_width="395dp"
```

```
    android:layout_height="wrap_content"
    android:layout_below="@+id/editText"
    android:layout_alignRight="@+id/editText"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginStart="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="205dp"
    android:layout_marginRight="0dp"
    android:ems="10"
    android:hint="Password"
    android:inputType="textPassword"
    android:minHeight="48dp"
    android:textColor="#F4F0F0"
    android:textColorHint="#F8F6F7" />

<EditText
    android:id="@+id/editText"
```

```
android:layout_width="385dp"

android:layout_height="wrap_content"

android:layout_below="@+id/imageView"

android:layout_alignParentStart="true"

android:layout_alignParentLeft="true"

android:layout_alignParentEnd="true"

android:layout_alignParentRight="true"

android:layout_marginStart="10dp"

android:layout_marginLeft="10dp"

android:layout_marginTop="4dp"

android:layout_marginEnd="0dp"

android:layout_marginRight="0dp"

android:focusable="true"

android:hint="Enter Name"

android:minHeight="48dp"

android:singleLine="true"

android:textColor="#F4F0F0"

android:textColorHighlight="#ff7eff15"
```

```
    android:textColorHint="#F6F6F6" />


<EditText
    android:id="@+id/phone"
    android:layout_width="395dp"
    android:layout_height="wrap_content"
    android:layout_below="@+id/editText"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="2dp"
    android:layout_marginRight="54dp"
    android:focusable="true"
    android:hint="Mobile No."
    android:inputType="phone"
    android:minHeight="48dp"
```

```
    android:singleLine="true"
    android:textColor="#F4F0F0"
    android:textColorHighlight="#ff7eff15"
    android:textColorHint="#F6F6F6" />

<ImageView
    android:id="@+id/imageView"
    android:layout_width="274dp"
    android:layout_height="213dp"
    android:layout_below="@+id/textView"
    android:layout_centerHorizontal="true"
    android:src="@drawable/carpal_white" />

<Button
    android:id="@+id/sign"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
```

```
        android:layout_marginStart="-185dp"
        android:layout_marginLeft="-170dp"
        android:layout_marginBottom="47dp"
        android:layout_toEndOf="@+id/imageView"
        android:layout_toRightOf="@+id/imageView"
        android:text="SIGN UP" />

</RelativeLayout>
```

SELECT YOUR RIDE

select.java

```
package com.example.myapplication;


import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.view.Menu;
import android.view.MenuItem;
import android.content.Intent;
```

```
import android.os.Bundle;

import android.view.MenuItem;

import android.view.View;

import android.widget.Button;


public class select extends AppCompatActivity {

Button b1,b2;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_select);

        b1=findViewById(R.id.offer);

        b2=findViewById(R.id.take);

        b1.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent a=new
Intent(getApplicationContext(),MapsActivity.class);
```

```
            startActivity(a);
            finish();
        }
    });
    b2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent a=new
Intent(getApplicationContext(),ride_map.class);
            startActivity(a);
            finish();
        }
    });
}
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    getMenuInflater().inflate(R.menu.menu,menu);
    return true;
```

```
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem
item) {
        int id=item.getItemId();
        if (id==R.id.m1)
        {
            Intent a=new Intent(getApplicationContext(),select.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m2)
        {
            Intent a=new Intent(getApplicationContext(),History.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m3)
```

```
{
    Intent a=new Intent(getApplicationContext(),profile.class);
    startActivity(a);
    finish();
}
if (id==R.id.m4)
{
    Intent a=new Intent(getApplicationContext(),about.class);
    startActivity(a);
    finish();
}
if (id==R.id.m5)
{
    Intent a=new Intent(getApplicationContext(),login.class);
    startActivity(a);
    finish();
}
return super.onOptionsItemSelected(item);
```

```
    }
}
```

activity_select.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#2D6520"
    android:backgroundTint="#318326"
    tools:context=".select">

    <Button
        android:id="@+id/offer"
        android:layout_width="286dp"
        android:layout_height="113dp"
```

```
    android:text="Offer a ride"
    app:cornerRadius="100dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.278" />

<Button
    android:id="@+id/take"
    android:layout_width="286dp"
    android:layout_height="113dp"
    android:text="Take a ride"
    app:cornerRadius="100dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.504"
    app:layout_constraintStart_toStartOf="parent"
```

```
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.661" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

menu.xml

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/m1"
        android:title="Home" />
    <item
        android:id="@+id/m2"
        android:title="history" />
    <item
        android:id="@+id/m3"
        android:title="profile" />
    <item
```

```
        android:id="@+id/m4"
        android:title="About Us" />
    <item
        android:id="@+id/m5"
        android:title="@string/logout" />
</menu>
```

OFFER A RIDE PAGE

MapsActivity.java

```
package com.example.myapplication;

import androidx.fragment.app.FragmentActivity;

import android.app.AlertDialog;
import android.content.DialogInterface;
import android.graphics.Color;
import android.os.Bundle;
import android.os.Handler;
import android.widget.EditText;
import android.widget.TextView;
```

```
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;
import
com.example.myapplication.databinding.ActivityMapsBinding;

import org.w3c.dom.Text;

import java.util.Timer;
import java.util.TimerTask;

public class MapsActivity extends FragmentActivity implements
OnMapReadyCallback {

    private GoogleMap mMap;
    private ActivityMapsBinding binding;
    Handler handler;
    int amount = 10;
    TextView amountFinal;
```

```
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        binding = ActivityMapsBinding.inflate(getLayoutInflater());
        setContentView(binding.getRoot());

        // Obtain the SupportMapFragment and get notified when the
map is ready to be used.
        SupportMapFragment mapFragment = (SupportMapFragment)
getSupportFragmentManager()
                .findFragmentById(R.id.map);
        mapFragment.getMapAsync(this);

        handler = new Handler();
        Timer t = new Timer();

        amountFinal = findViewById(R.id.ride_fare);
        handler.postDelayed(new Runnable() {
            @Override
            public void run() {
                // Do something after 5s = 5000ms
                AlertDialog.Builder builder
```

```
                = new AlertDialog
                .Builder(MapsActivity.this);

        // Set the message show for the Alert time
        builder.setMessage("There is another person who wants\n
go from Library to GS College? \nDo you wish to pick them up?");

        // Set Alert Title
        builder.setTitle("Alert !");
        builder.setCancelable(false);
        builder.setPositiveButton(
            "Yes",
            new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog,
                                    int which) {
                    t.scheduleAtFixedRate(new TimerTask() {
                                        @Override
                                        public void run() {
                                            //Called each time when
1000 milliseconds (1 second) (the period parameter)
                                            amount += 15;
                                            amountFinal.setText("Rs. " +
```

```
Integer.toString(amount));
                                        }
                                    },
                            //Set how long before to start calling the
TimerTask (in milliseconds)
                            0,
                            //Set the amount of time between each
execution (in milliseconds)
                            60000);
                    }
                });

        // Set the Negative button with No name
        // OnClickListener method is use
        // of DialogInterface interface.
        builder.setNegativeButton(
                "No",
                new DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialog,
                                        int which) {
                        dialog.cancel();
                    }
```

```
                });

            // Create the Alert dialog
            AlertDialog alertDialog = builder.create();

            // Show the Alert Dialog box
            alertDialog.show();

        }
    }, 8000);
}


/**
 * Manipulates the map once available.
 * This callback is triggered when the map is ready to be used.
 * This is where we can add markers or lines, add listeners or move the camera. In this case,
 * we just add a marker near GSclg.
 * If Google Play services is not installed on the device, the user will be prompted to install
 * it inside the SupportMapFragment. This method will only be triggered once the user has
```

```
     * installed Google Play services and returned to the app.
     */
    @Override
    public void onMapReady(GoogleMap googleMap) {
        mMap = googleMap;

        // Add a marker in GSclg and move the camera
        LatLng GSclg = new LatLng(21, 79);
        LatLng lib = new LatLng(21.102265978868726,
79.07441764358632);

        mMap.addMarker(new
MarkerOptions().position(GSclg).title("Marker in GSclg"));
        mMap.addMarker(new
MarkerOptions().position(lib).title("Marker in library"));

mMap.moveCamera(CameraUpdateFactory.newLatLng(GSclg));
    }
}
```

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest
```

```
xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.myapplication">
    <uses-permission
android:name="android.permission.ACCESS_COARSE_LOCATI
ON" />
    <uses-permission
android:name="android.permission.ACCESS_GPS" />
    <uses-permission
android:name="android.permission.ACCESS_LOCATION" />
    <uses-permission
android:name="android.permission.ACCESS_FINE_LOCATION"
/>
    <uses-permission
android:name="android.permission.ACCESS_NETWORK_STAT
E" />
    <uses-permission
android:name="android.permission.CALL_PHONE" />
    <uses-permission
android:name="android.permission.INTERNET" />
    <uses-permission
android:name="android.permission.READ_GSERVICES" />
    <application
        android:allowBackup="true"
```

android:icon="@drawable/carpal"
android:label="CarPal"
android:roundIcon="@drawable/carpal_bg"
android:supportsRtl="true"
android:theme="@style/Theme.MyApplication">
<activity
android:name=".feedback"
android:exported="false" />
<activity
android:name=".about"
android:exported="false" />
<!--
TODO: Before you run your application, you need a Google Maps API key.

To get one, follow the directions here:

https://developers.google.com/maps/documentation/android-sdk/get-api-key

Once you have your API key (it starts with "AIza"), define a new property in your

```
            project's local.properties file (e.g.
MAPS_API_KEY=Aiza...), and replace the
            "YOUR_API_KEY" string in this file with
"${MAPS_API_KEY}".
        -->
        <meta-data
            android:name="com.google.android.geo.API_KEY"
            android:value="AIzaSyAQS-
nC_bXhoYqtGgAtzMuaim_aQzkiwDg" />

        <activity
            android:name=".MapsActivity"
            android:exported="false"
            android:label="@string/title_activity_maps" />
        <activity
            android:name=".login"
            android:exported="false" />
        <activity
            android:name=".forget"
            android:exported="false" />
        <activity
            android:name=".signup"
            android:exported="false" />
```

```
        <activity
            android:name=".profile"
            android:exported="false" />
        <activity
            android:name=".ride_map"
            android:exported="false"
            android:label="@string/title_activity_ride_map" /> <!--
<activity -->
        <!-- android:name=".drive_Map" -->
        <!-- android:exported="false" -->
        <!-- android:label="@string/title_activity_drive_map" /> -->
        <activity
            android:name=".select"
            android:exported="false" />
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />


                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
```

```
        </activity>
    </application>

</manifest>
```

TAKE A RIDE PAGE

ride_maps.java

```
package com.example.myapplication;
import androidx.annotation.NonNull;
import androidx.fragment.app.FragmentActivity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;

import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
```

```
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;
import
com.example.myapplication.databinding.ActivityRideMapBinding;

public class ride_map extends FragmentActivity implements
OnMapReadyCallback {

    private GoogleMap mMap;
    private ActivityRideMapBinding binding;
    Handler handler;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        //TextView passengerShare =
findViewById(R.id.textView3aaaa);
        Button buttonSearch = findViewById(R.id.buttonabcd);

        binding =
```

```
ActivityRideMapBinding.inflate(getLayoutInflater());
        setContentView(binding.getRoot());

        // Obtain the SupportMapFragment and get notified when the
map is ready to be used.
        SupportMapFragment mapFragment = (SupportMapFragment)
getSupportFragmentManager()
                .findFragmentById(R.id.map);
        mapFragment.getMapAsync(this);

        //handler = new Handler();

        binding.buttonabcd.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View view) {
                AlertDialog.Builder builder
                        = new AlertDialog
                        .Builder(ride_map.this);

                // Set the message show for the Alert time
                builder.setMessage("There is another person who wants\n
go from Library to GS College? \nDo you wish to share ride with
```

```
them up?");

        // Set Alert Title
        builder.setTitle("Alert !");
        builder.setCancelable(false);
        builder.setPositiveButton(
            "Yes",
            new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog,
                                    int which) {
                    dialog.cancel();
                }
            });

        // Set the Negative button with No name
        // OnClickListener method is use
        // of DialogInterface interface.
        builder.setNegativeButton(
            "No",
            new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog,
```

```
                                    int which) {
                        dialog.cancel();
                    }
                });

            // Create the Alert dialog
            AlertDialog alertDialog = builder.create();

            // Show the Alert Dialog box
            alertDialog.show();
        }
    });

}

/**
 * Manipulates the map once available.
 * This callback is triggered when the map is ready to be used.
 * This is where we can add markers or lines, add listeners or
move the camera. In this case,
 * we just add a marker near Sydney, Australia.
 * If Google Play services is not installed on the device, the user
will be prompted to install
```

```
    * it inside the SupportMapFragment. This method will only be
triggered once the user has
    * installed Google Play services and returned to the app.
    */
   @Override
   public void onMapReady(GoogleMap googleMap) {
      mMap = googleMap;

      // Add a marker in Sydney and move the camera
      LatLng sydney = new LatLng(21.109675570617064,
79.06981025139879);
      mMap.addMarker(new
MarkerOptions().position(sydney).title("You"));

mMap.moveCamera(CameraUpdateFactory.newLatLng(sydney));
   }
   @Override
   public boolean onCreateOptionsMenu(Menu menu) {
      getMenuInflater().inflate(R.menu.menu,menu);
      return true;
   }
   @Override
   public boolean onOptionsItemSelected(@NonNull MenuItem
```

```
item) {
        int id=item.getItemId();
        if (id==R.id.m1)
        {
            Intent a=new Intent(getApplicationContext(),select.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m2)
        {
            Intent a=new Intent(getApplicationContext(),profile.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m3)
        {
            Intent a=new Intent(getApplicationContext(),about.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m4)
        {
            Intent a=new Intent(getApplicationContext(),login.class);
```

```
            startActivity(a);
            finish();
        }
        return super.onOptionsItemSelected(item);
    }
}
```

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.myapplication">
    <uses-permission
android:name="android.permission.ACCESS_COARSE_LOCATI
ON" />
    <uses-permission
android:name="android.permission.ACCESS_GPS" />
    <uses-permission
android:name="android.permission.ACCESS_LOCATION" />
    <uses-permission
android:name="android.permission.ACCESS_FINE_LOCATION"
/>
    <uses-permission
android:name="android.permission.ACCESS_NETWORK_STAT
```

```
E" />
    <uses-permission
android:name="android.permission.CALL_PHONE" />
    <uses-permission
android:name="android.permission.INTERNET" />
    <uses-permission
android:name="android.permission.READ_GSERVICES" />
    <application
        android:allowBackup="true"
        android:icon="@drawable/carpal"
        android:label="CarPal"
        android:roundIcon="@drawable/carpal_bg"
        android:supportsRtl="true"
        android:theme="@style/Theme.MyApplication">
        <activity
            android:name=".feedback"
            android:exported="false" />
        <activity
            android:name=".about"
            android:exported="false" />
        <!--
             TODO: Before you run your application, you need a
Google Maps API key.
```

To get one, follow the directions here:

https://developers.google.com/maps/documentation/android-sdk/get-api-key

Once you have your API key (it starts with "AIza"), define a new property in your
project's local.properties file (e.g. MAPS_API_KEY=Aiza...), and replace the
"YOUR_API_KEY" string in this file with "${MAPS_API_KEY}".
-->
<meta-data
android:name="com.google.android.geo.API_KEY"
android:value="AIzaSyAQS-nC_bXhoYqtGgAtzMuaim_aQzkiwDg" />

<activity
android:name=".MapsActivity"
android:exported="false"
android:label="@string/title_activity_maps" />

```
        <activity
            android:name=".login"
            android:exported="false" />
        <activity
            android:name=".forget"
            android:exported="false" />
        <activity
            android:name=".signup"
            android:exported="false" />
        <activity
            android:name=".profile"
            android:exported="false" />
        <activity
            android:name=".ride_map"
            android:exported="false"
            android:label="@string/title_activity_ride_map" /> <!--
<activity -->
        <!-- android:name=".drive_Map" -->
        <!-- android:exported="false" -->
        <!-- android:label="@string/title_activity_drive_map" /> -->
        <activity
            android:name=".select"
            android:exported="false" />
```

```
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

PROFILE

profile.java

```
package com.example.myapplication;


import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Context;

import android.content.Intent;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;


public class profile extends AppCompatActivity {

    EditText et1,et2,et3,et4,et5,et6;

    Button b1;

    SQLiteDatabase db1;

    Cursor cr1,cr2;

    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_profile);
        db1=openOrCreateDatabase("user",
Context.MODE_PRIVATE,null);
        et1=findViewById(R.id.name);
        et2=findViewById(R.id.ph);
        et3=findViewById(R.id.em);
        et4=findViewById(R.id.ag);
        et5=findViewById(R.id.co);
        b1=findViewById(R.id.save);

        //main process
        String q3="select * from user";
        cr2=db1.rawQuery(q3,null);
        cr2.moveToNext();
        et1.setText(cr2.getString(0));
        et2.setText(cr2.getString(1));
```

```
        et3.setText(cr2.getString(2));
        et4.setText(cr2.getString(3));
        et5.setText(cr2.getString(4));
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String q= "Update user set
name=('"+et2.getText().toString()+"')where name='"+et1+"'";
                String r= "Update user set
phone=('"+et3.getText().toString()+"')where name='"+et1+"'";
                String s= "Update user set
email=('"+et4.getText().toString()+"')where name='"+et1+"'";
                String t= "Update user set
age=('"+et5.getText().toString()+"')where name='"+et1+"'";
                String u= "Update user set
country=('"+et5.getText().toString()+"')where name='"+et1+"'";

db1.execSQL(q);db1.execSQL(r);db1.execSQL(s);db1.execSQL(t);
db1.execSQL(u);
```

```
            Toast.makeText(getApplicationContext(),"Record Has
been Updated",Toast.LENGTH_SHORT).show();
            Intent a=new Intent(getApplicationContext(),
select.class);
            startActivity(a);
            finish();
          }
       });
   }
   @Override
   public boolean onCreateOptionsMenu(Menu menu) {
      getMenuInflater().inflate(R.menu.menu,menu);
      return true;
   }
   @Override
   public boolean onOptionsItemSelected(@NonNull MenuItem
item) {
      int id=item.getItemId();
      if (id==R.id.m1)
```

```
{
    Intent a=new Intent(getApplicationContext(),select.class);
    startActivity(a);
    finish();
}
if (id==R.id.m2)
{
    Intent a=new Intent(getApplicationContext(),History.class);
    startActivity(a);
    finish();
}
if (id==R.id.m3)
{
    Intent a=new Intent(getApplicationContext(),profile.class);
    startActivity(a);
    finish();
}
if (id==R.id.m4)
```

```
        {
            Intent a=new Intent(getApplicationContext(),about.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m5)
        {
            Intent a=new Intent(getApplicationContext(),login.class);
            startActivity(a);
            finish();
        }
        return super.onOptionsItemSelected(item);
    }
}
```

activity_profile.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
```

```
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="#318326"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context=".profile">

<TextView
    android:id="@+id/textview"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:text="Profile"
    android:textSize="35dp" />
```

```
<EditText
    android:id="@+id/name"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/imageView"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginTop="46dp"
    android:focusable="true"
    android:hint="Name"
    android:minHeight="48dp"
    android:singleLine="true"
    android:textColor="#F4F0F0"
    android:textColorHighlight="#ff7eff15"
    android:textColorHint="#F6F6F6" />
```

```
<ImageView
    android:id="@+id/imageView"
    android:layout_width="270dp"
    android:layout_height="174dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_marginStart="62dp"
    android:layout_marginTop="66dp"
    android:layout_marginEnd="63dp"
    android:src="@drawable/avatar" />

<EditText
    android:id="@+id/ag"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/name"
```

```
    android:layout_alignEnd="@+id/name"
    android:layout_alignRight="@+id/name"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="14dp"
    android:layout_marginTop="102dp"
    android:layout_marginEnd="2dp"
    android:layout_marginRight="2dp"
    android:ems="10"
    android:hint="Age"
    android:minHeight="48dp"
    android:textColor="#F4F0F0"
    android:textColorHint="#F8F6F7" />

<EditText
    android:id="@+id/em"
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
    android:layout_below="@+id/name"
    android:layout_alignEnd="@+id/name"
    android:layout_alignRight="@+id/name"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="30dp"
    android:layout_marginTop="53dp"
    android:layout_marginEnd="2dp"
    android:layout_marginRight="2dp"
    android:ems="10"
    android:hint="Email ID"
    android:minHeight="48dp"
    android:textColor="#F4F0F0"
    android:textColorHint="#F8F6F7" />

<EditText
```

```
android:id="@+id/co"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_below="@+id/name"

android:layout_alignEnd="@+id/name"

android:layout_alignRight="@+id/name"

android:layout_alignParentStart="true"

android:layout_alignParentLeft="true"

android:layout_marginStart="0dp"

android:layout_marginLeft="30dp"

android:layout_marginTop="152dp"

android:layout_marginEnd="2dp"

android:layout_marginRight="2dp"

android:ems="10"

android:hint="Country"

android:minHeight="48dp"

android:textColor="#F4F0F0"

android:textColorHint="#F8F6F7" />
```

```
<EditText
    android:id="@+id/ph"
    android:layout_width="379dp"
    android:layout_height="wrap_content"
    android:layout_below="@+id/name"
    android:layout_alignEnd="@+id/name"
    android:layout_alignRight="@+id/name"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="16dp"
    android:layout_marginTop="-1dp"
    android:layout_marginEnd="6dp"
    android:layout_marginRight="6dp"
    android:ems="10"
    android:hint="Phone"
    android:minHeight="48dp"
```

```
        android:textColor="#F4F0F0"
        android:textColorHint="#F8F6F7" />

    <Button
        android:id="@+id/save"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="-91dp"
        android:layout_marginLeft="-91dp"
        android:layout_marginBottom="39dp"
        android:layout_toEndOf="@+id/textview"
        android:layout_toRightOf="@+id/textview"
        android:text="save" />

</RelativeLayout>
```

ABOUT US

about.java

```
package com.example.myapplication;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.Button;


public class about extends AppCompatActivity {

Button b1;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_about);
        b1=findViewById(R.id.rate);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent a=new
Intent(getApplicationContext(),feedback.class);
                startActivity(a);
                finish();
            }
        });
    }



    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu,menu);
        return true;
```

```
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem
item) {
        int id=item.getItemId();
        if (id==R.id.m1)
        {
            Intent a=new Intent(getApplicationContext(),select.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m2)
        {
            Intent a=new Intent(getApplicationContext(),History.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m3)
```

```
{
    Intent a=new Intent(getApplicationContext(),profile.class);
    startActivity(a);
    finish();
}
if (id==R.id.m4)
{
    Intent a=new Intent(getApplicationContext(),about.class);
    startActivity(a);
    finish();
}
if (id==R.id.m5)
{
    Intent a=new Intent(getApplicationContext(),login.class);
    startActivity(a);
    finish();
}
return super.onOptionsItemSelected(item);
```

```
    }
}
```

activity_about.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".about">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#318326"
        android:paddingLeft="@dimen/activity_horizontal_margin"
        android:paddingTop="@dimen/activity_vertical_margin"
```

```
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context=".MainActivity"
tools:layout_editor_absoluteX="-28dp"
tools:layout_editor_absoluteY="0dp">

<TextView
    android:id="@+id/textview"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:text="About Us"
    android:textSize="35dp" />

<TextView
    android:id="@+id/textview5"
    android:layout_width="311dp"
```

```
        android:layout_height="77dp"
        android:layout_alignParentTop="true"
        android:layout_marginTop="354dp"
        android:text="The objective of creating the application is to
provide Ride sharing services to the user"
        android:textSize="16sp" />

    <TextView
        android:id="@+id/textview2"
        android:layout_width="395dp"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_marginTop="172dp"
        android:text="This APP is created by :-"
        android:textSize="20sp" />

    <TextView
        android:id="@+id/textview4"
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_marginTop="291dp"
    android:text="Tanushree Biroley"
    android:textSize="16sp" />

<TextView
    android:id="@+id/textview3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_marginTop="239dp"
    android:text="Zahed Ahmed Khwaja"
    android:textSize="16sp" />

<ImageView
    android:id="@+id/imageView"
```

```
    android:layout_width="274dp"
    android:layout_height="213dp"
    android:layout_below="@+id/textView"
    android:layout_centerHorizontal="true"
    android:src="@drawable/carpal_white" />

<Button
    android:id="@+id/rate"
    android:layout_width="wrap_content"
    android:layout_height="65dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_marginTop="513dp"
    android:layout_marginEnd="140dp"
    android:text="Rate us"
    app:cornerRadius="10dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
```

```
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.278" />

    </RelativeLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

FEEDBACK FORM

feedback.java

```
package com.example.myapplication;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
```

```
import android.view.View;

import android.widget.Button;

import android.widget.SeekBar;

import android.widget.TextView;

import android.widget.Toast;


public class feedback extends AppCompatActivity {

    TextView tv1;

    SeekBar sb1;

    Button b;

    int p=0;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_feedback);

        tv1=findViewById(R.id.tv2);

        sb1=findViewById(R.id.sb);

        b=findViewById(R.id.feed);
```

```
        sb1.setOnSeekBarChangeListener(new
SeekBar.OnSeekBarChangeListener() {
            @Override
            public void onProgressChanged(SeekBar seekBar, int i,
boolean b) {
                tv1.setText(""+sb1.getProgress());
                p=Integer.parseInt(tv1.getText()+"");
               }


            @Override
            public void onStartTrackingTouch(SeekBar seekBar) {


            }


            @Override
            public void onStopTrackingTouch(SeekBar seekBar) {


            }
        });
```

```
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Toast.makeText(feedback.this, "ThankYou for your
valuable feedback", Toast.LENGTH_SHORT).show();
//                Intent a=new
Intent(getApplicationContext(),about.class);
//                startActivity(a);
//                finish();
            }


        });
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu,menu);
        return true;
    }
    @Override
```

```
   public boolean onOptionsItemSelected(@NonNull MenuItem
item) {
        int id=item.getItemId();
        if (id==R.id.m1)
        {
            Intent a=new Intent(getApplicationContext(),select.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m2)
        {
            Intent a=new Intent(getApplicationContext(),History.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m3)
        {
            Intent a=new Intent(getApplicationContext(),profile.class);
```

```
            startActivity(a);
            finish();
        }
        if (id==R.id.m4)
        {
            Intent a=new Intent(getApplicationContext(),about.class);
            startActivity(a);
            finish();
        }
        if (id==R.id.m5)
        {
            Intent a=new Intent(getApplicationContext(),login.class);
            startActivity(a);
            finish();
        }
        return super.onOptionsItemSelected(item);
    }
}
```

v24\activity_feedback.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#318326"
    tools:context=".feedback">

    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:foregroundTint="#F8F5F5"
```

```
    android:text="FeedBack form"
    android:textAllCaps="true"
    android:textColor="#F8F5F5"
    android:textSize="34sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.461"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.111" />

<TextView
    android:id="@+id/textView7"
    android:layout_width="381dp"
    android:layout_height="40dp"
    android:foregroundTint="#F8F5F5"
    android:text="Rate Your experience with us"
```

```
    android:textAlignment="center"
    android:textAllCaps="true"
    android:textColor="#AFD4F1"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.533"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.248" />

<Button
    android:id="@+id/feed"
    android:layout_width="163dp"
    android:layout_height="61dp"
    android:text="Submit"
    app:cornerRadius="20dp"
```

```
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.512"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.976" />

<TextView
    android:id="@+id/textView5"
    android:layout_width="259dp"
    android:layout_height="64dp"
    android:foregroundTint="#F8F5F5"
    android:text="Any other suggestions or improvements"
    android:textColor="#433921"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
```

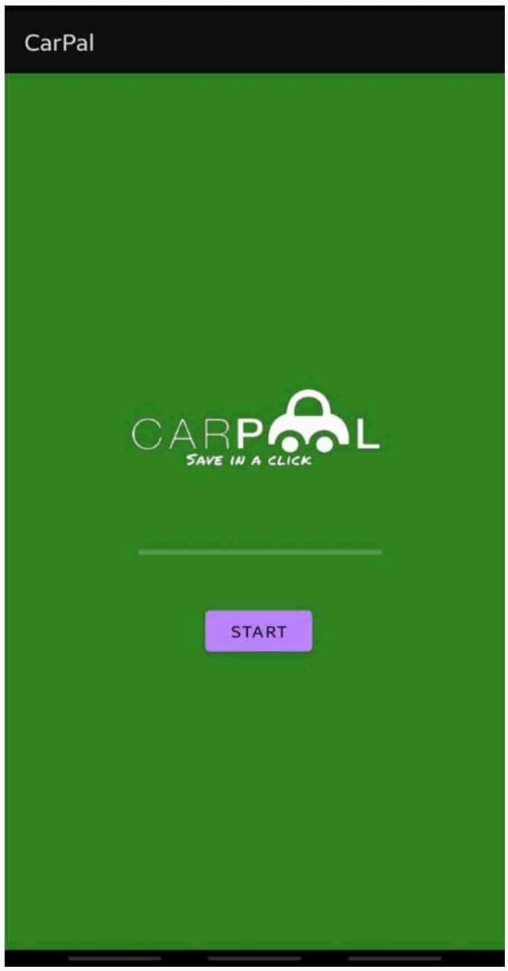
```
    app:layout_constraintHorizontal_bias="0.203"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.602" />

<EditText
    android:id="@+id/suggestions"
    android:layout_width="325dp"
    android:layout_height="90dp"
    android:background="#FDFDFD"
    android:ems="10"
    android:inputType="textPersonName"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.453"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
```

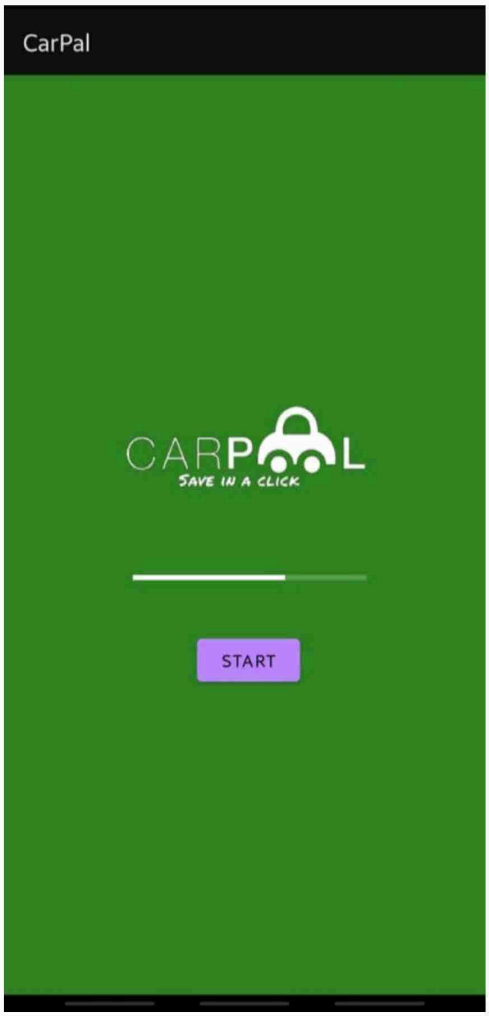
```
    app:layout_constraintVertical_bias="0.767" />


<SeekBar

    android:id="@+id/sb"

    style="@android:style/Widget.Material.SeekBar.Discrete"

    android:layout_width="302dp"

    android:layout_height="53dp"

    android:foregroundTint="#F8F5F5"

    android:max="5"

    android:thumb="@android:drawable/btn_star_big_on"

    app:layout_constraintBottom_toBottomOf="parent"

    app:layout_constraintEnd_toEndOf="parent"

    app:layout_constraintHorizontal_bias="0.495"

    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toTopOf="parent"

    app:layout_constraintVertical_bias="0.437" />


<TextView
```

```
        android:id="@+id/tv2"
        android:layout_width="151dp"
        android:layout_height="49dp"
        android:foregroundTint="#F8F5F5"
        android:text="0"
        android:textAlignment="center"
        android:textSize="34sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.356" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

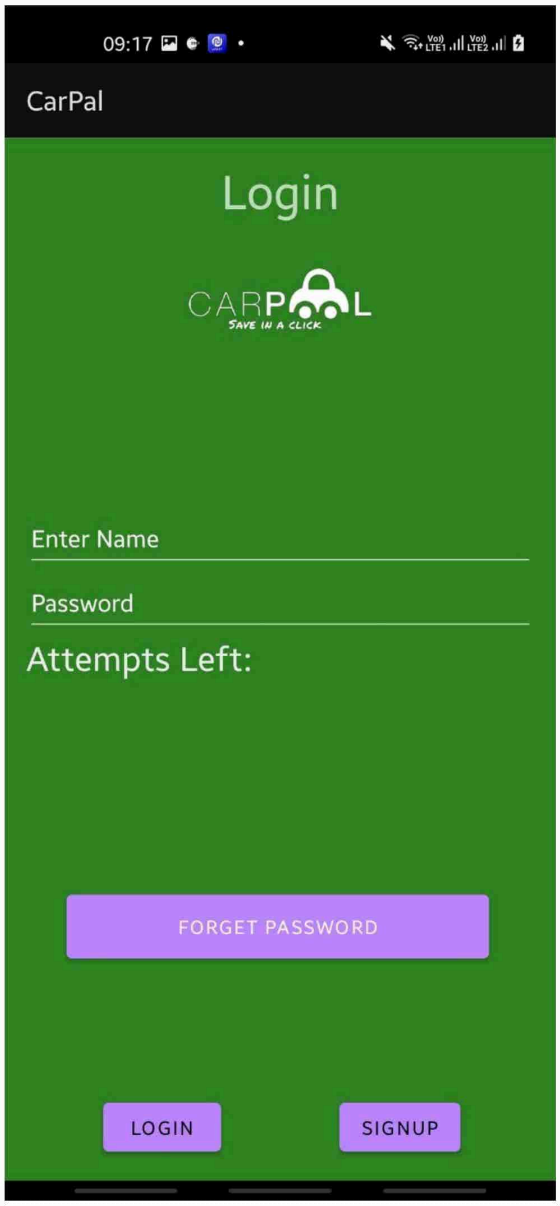
INPUT SCREEN AND OUTPUT SCREEN

START SCREEN

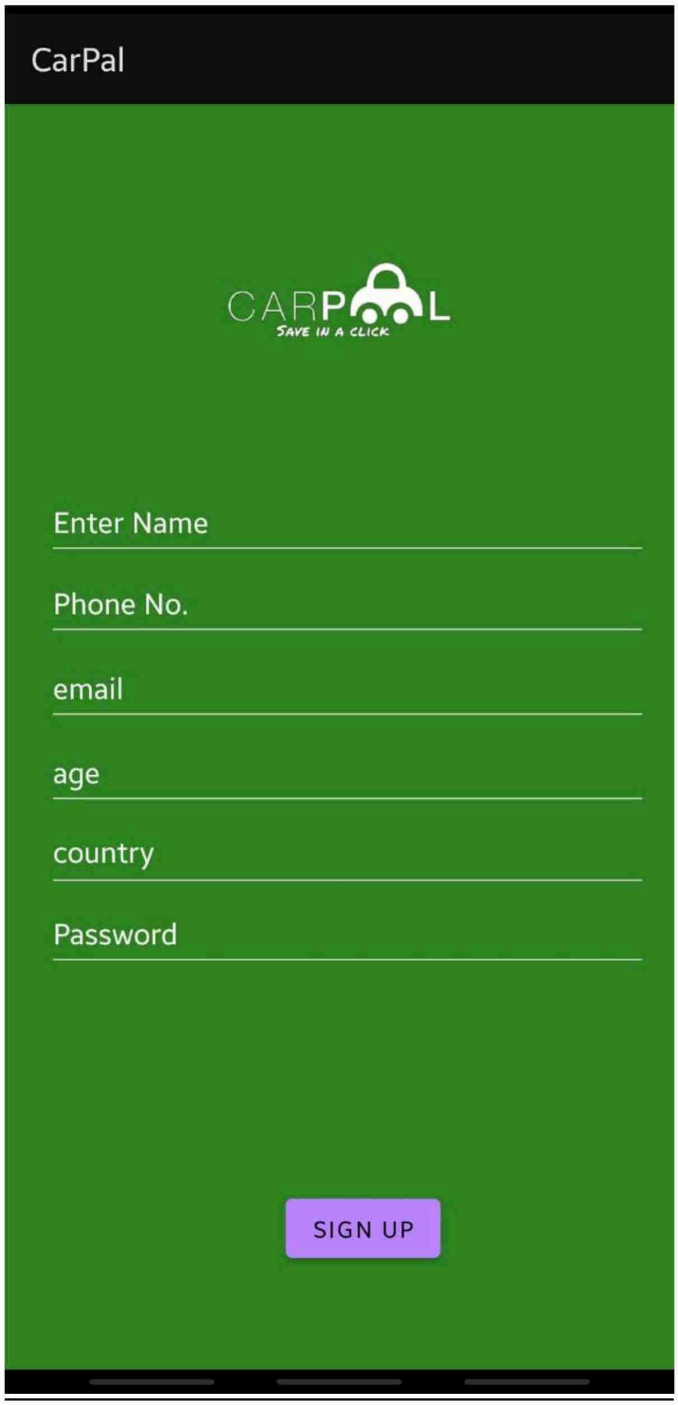




LOGIN SCREEN

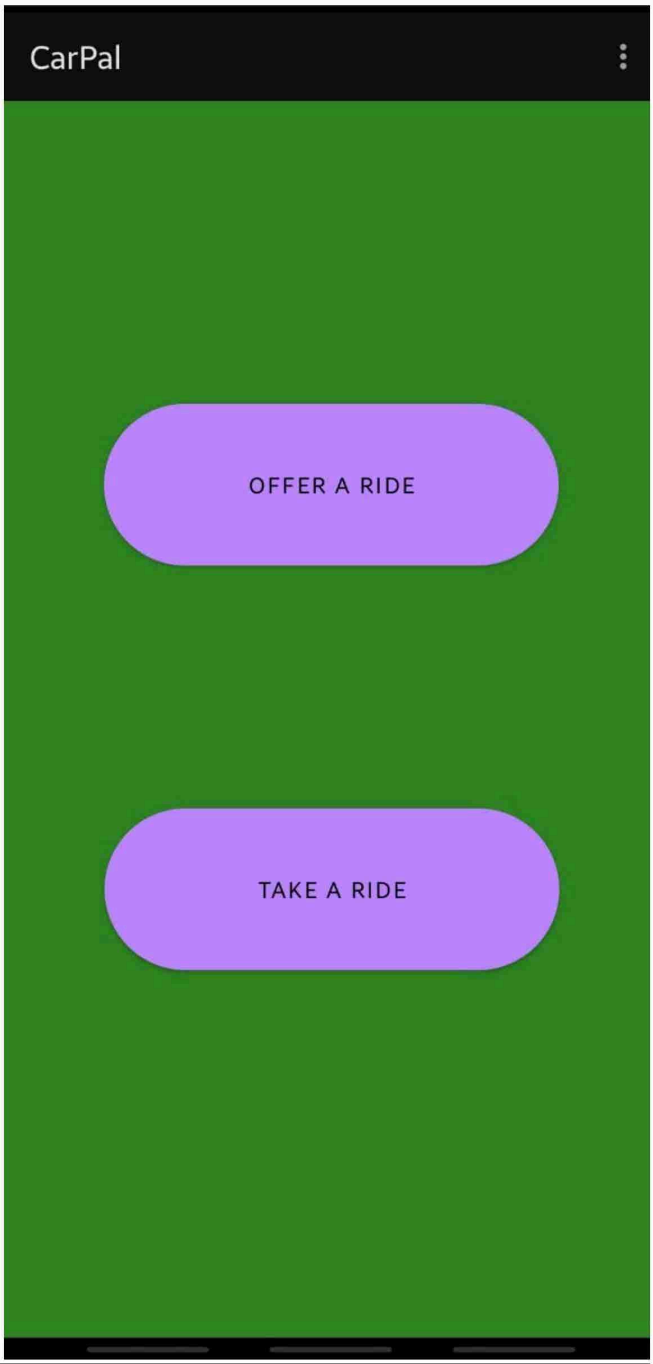


SIGN UP SCREEN

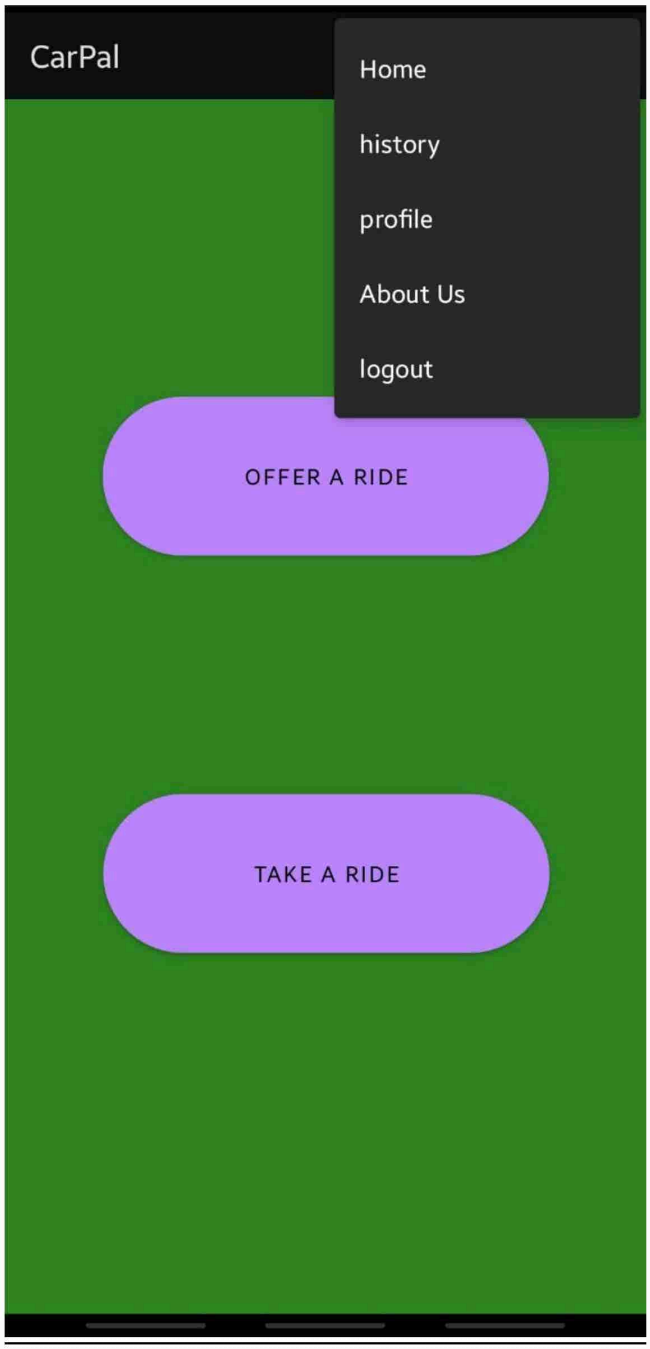


FORGET PASSWORD SCREEN

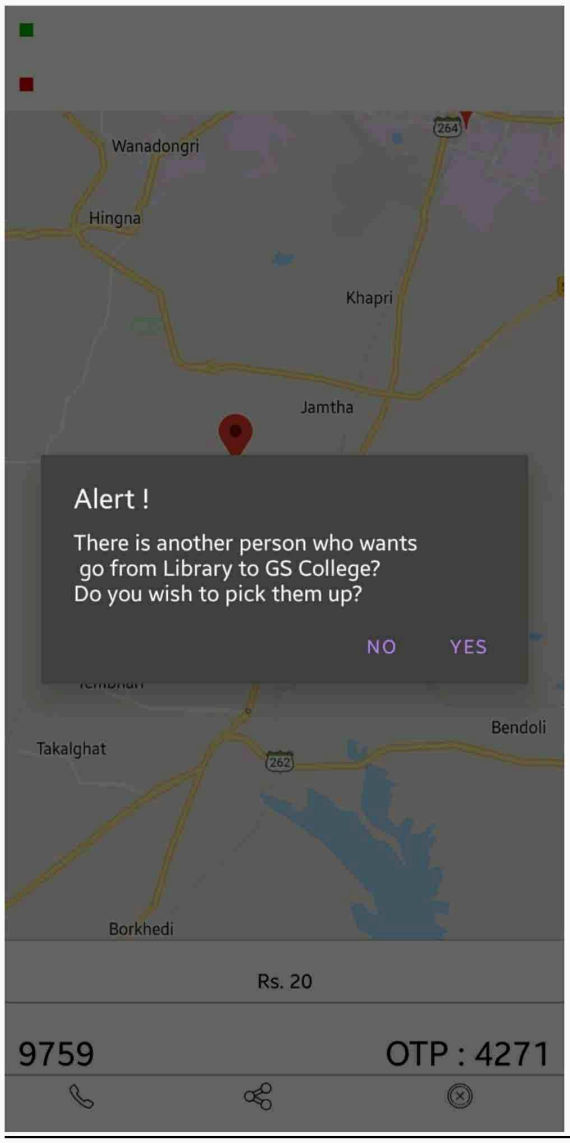
SELECT YOUR RIDE SCREEN

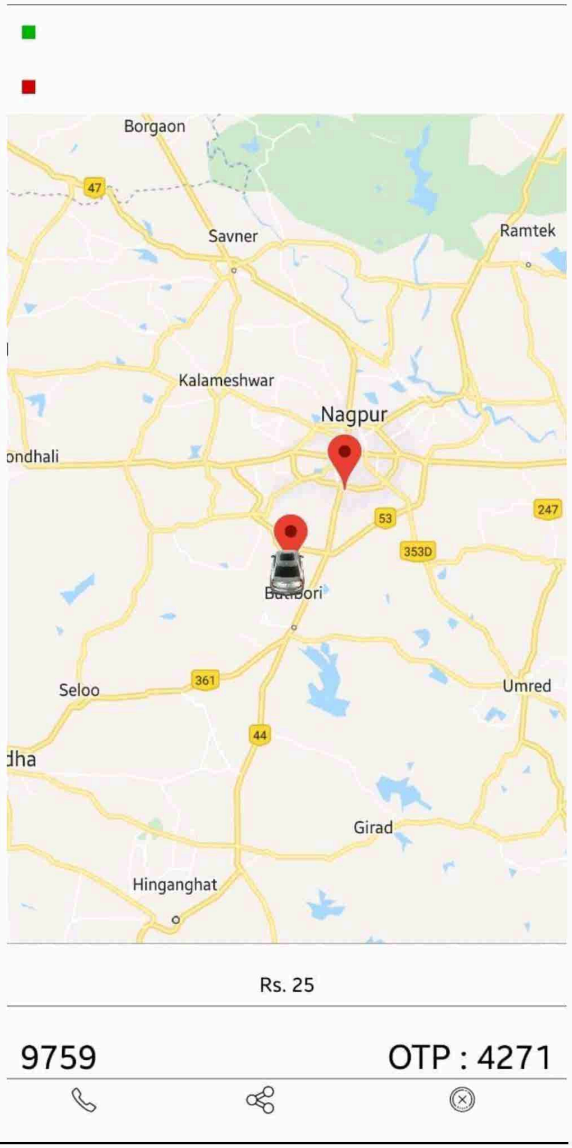


MENU SCREEN

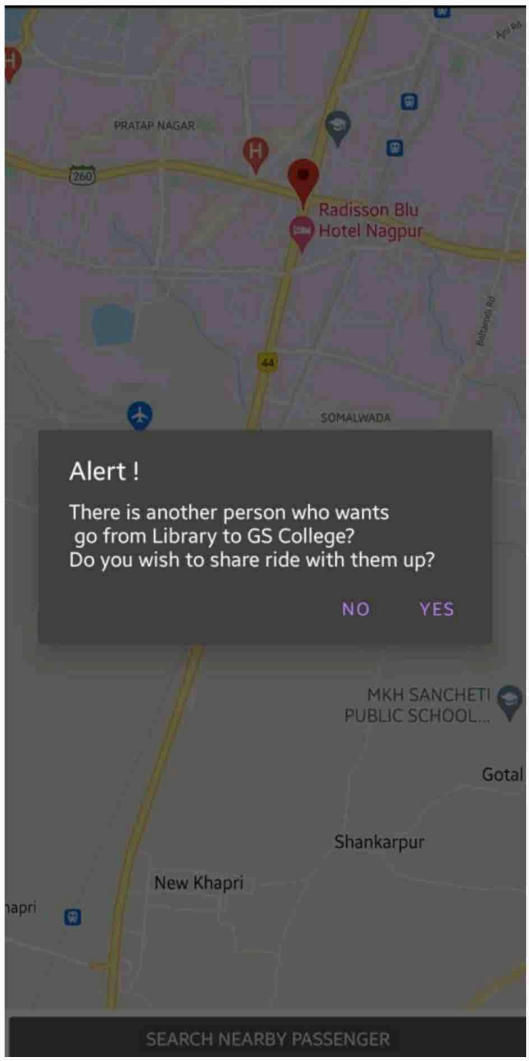

CarPal
Home
history
profile
About Us
logout
OFFER A RIDE
TAKE A RIDE

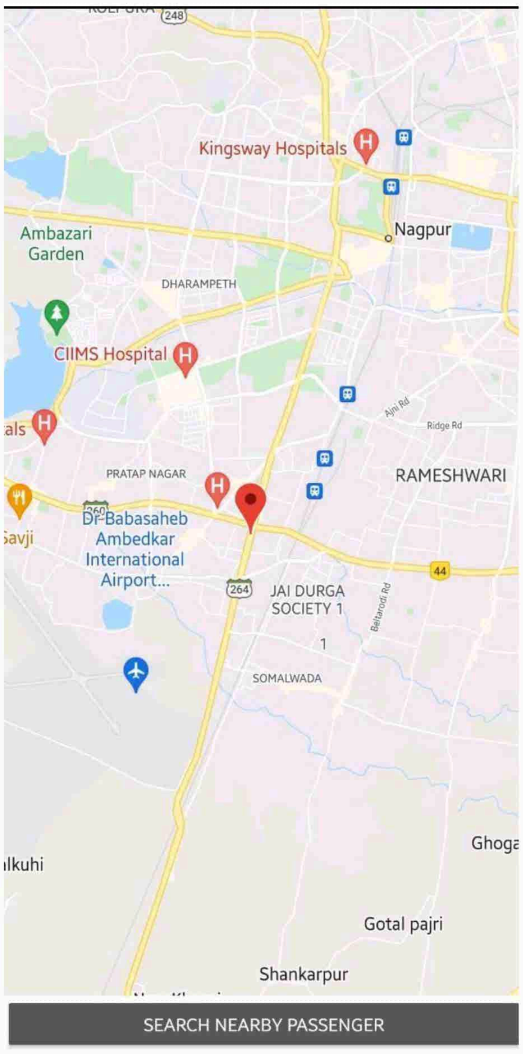
OFFER RIDE SCREEN



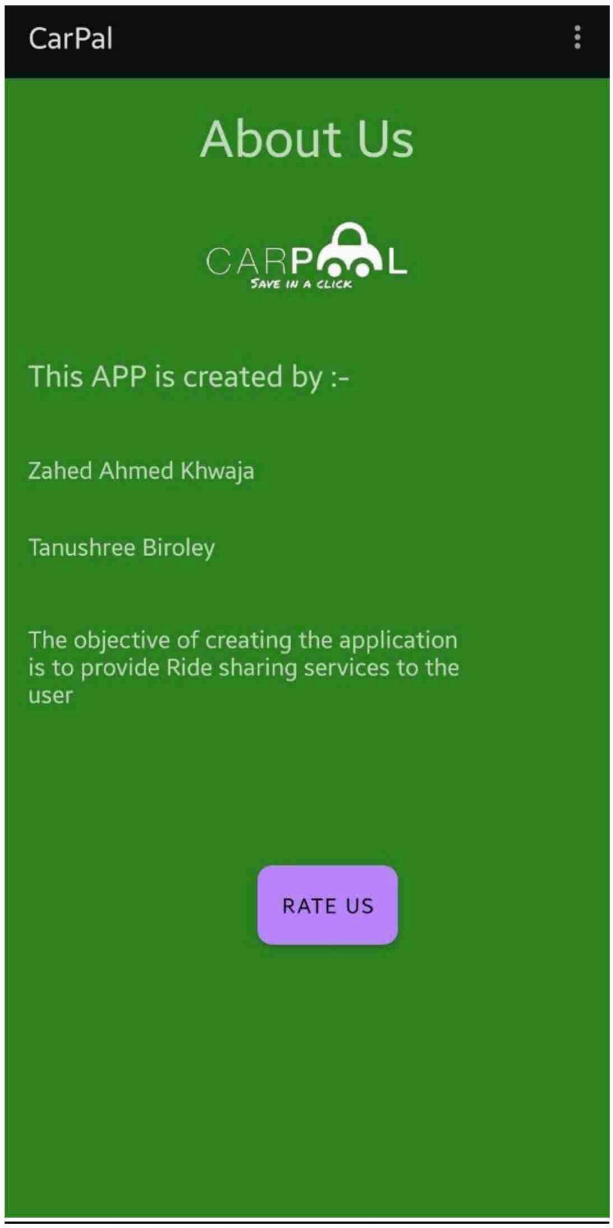


TAKE A RIDE SCREEN





ABOUT US


CarPal
About Us
CARPOOL
SAVE IN A CLICK
This APP is created by :-
Zahed Ahmed Khwaja
Tanushree Biroley
The objective of creating the application is to provide Ride sharing services to the user
RATE US

TESTING AND VALIDATION

TESTING AND VALIDATION CHECK

The process of evaluating software during the development process or at the end of the development process to determine whether it satisfies specified business requirements.

Validation Testing ensures that the product actually meets the client's needs. It can also be defined as to demonstrate that the product fulfills its intended use when deployed on appropriate environment.

It answers to the question,Are we building the right product?

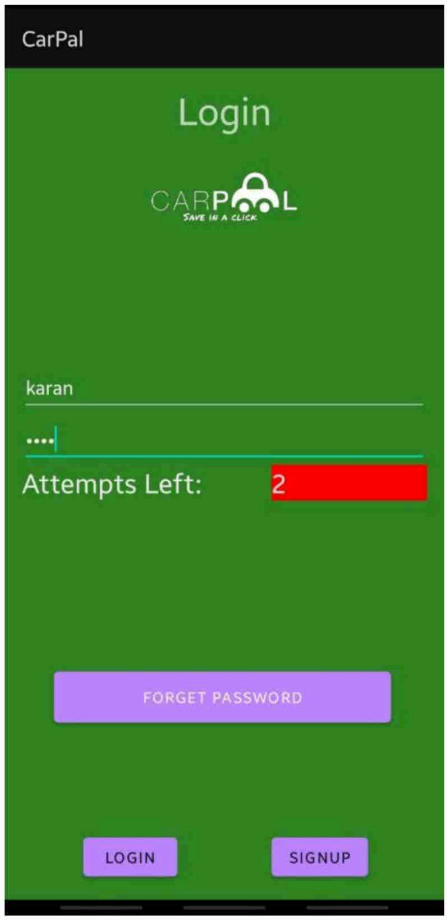
Whenever any particular software is tested then the main motive is to check the quality against the defects being found.

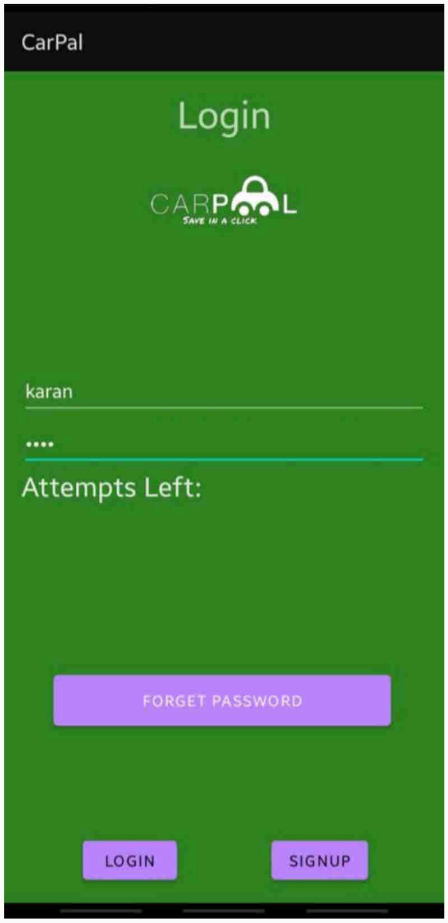
The developers fix the bugs and the software is rechecked to make sure that absolutely no bugs are left out in that. This not only shoots the product's quality but also its user acceptance.

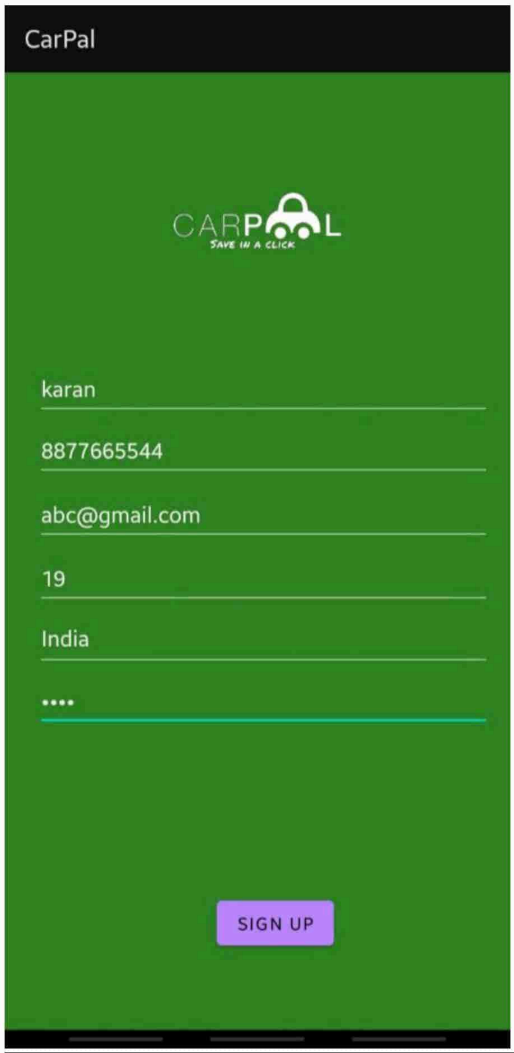
- To ensure customer satisfaction
- To be confident about the product
- To fulfil the client's requirement until the optimum capacity
- Software acceptance from the end-user

Client-side validation is an initial check and an important feature of good user experience; by catching invalid data on the client-side, the user can fix it straight away. If it gets to the server and is then rejected, a noticeable delay is caused by a round trip to the server and then back to the client-side to tell the user to fix their data.

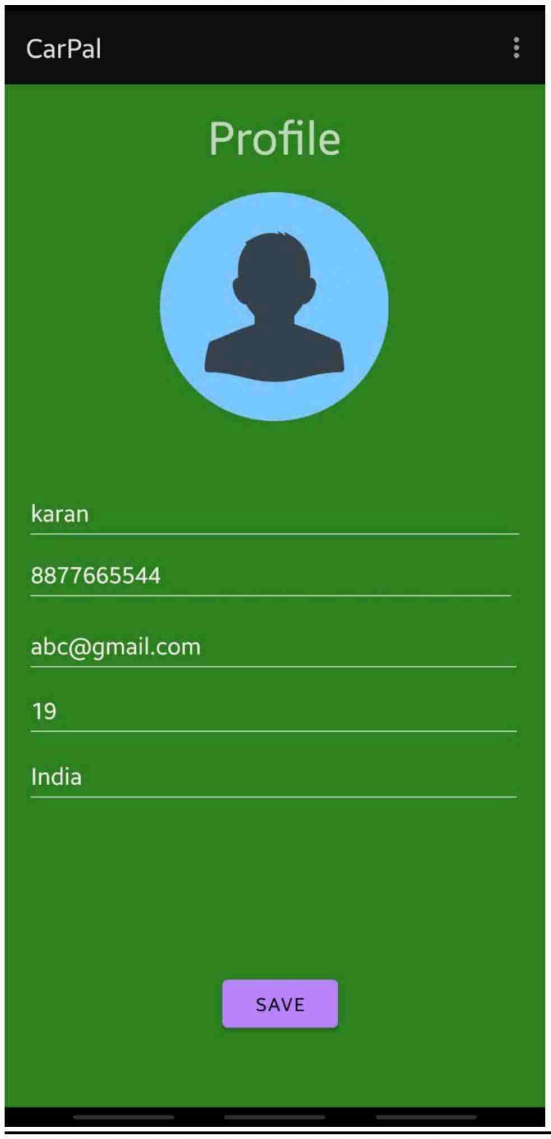
TEST CASES

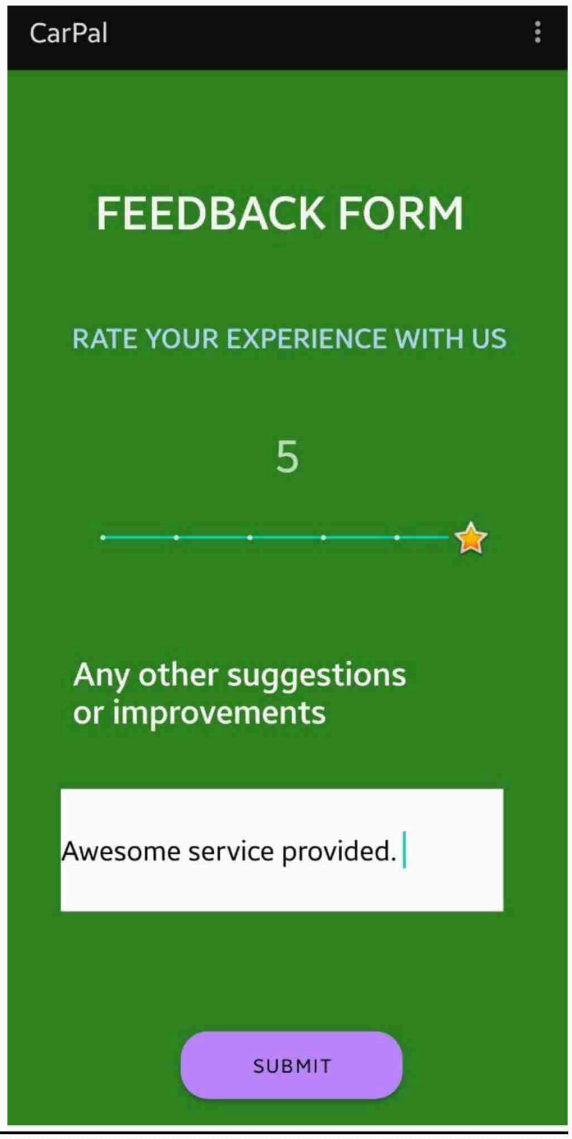

CarPal
Login
CARPOOL
SAVE IN A CLICK
karan
Attempts Left:
2
FORGET PASSWORD
LOGIN
SIGNUP


CarPal
Login
CARPOOL
SAVE IN A CLICK
karan
Attempts Left:
FORGET PASSWORD
LOGIN
SIGNUP


CarPal
CARPOOL
SAVE IN A CLICK
karan
8877665544
abc@gmail.com
19
India
SIGN UP


CarPal
karan
CHANGE PASSWORD


CarPal
Profile
karan
8877665544
abc@gmail.com
19
India
SAVE


CarPal
FEEDBACK FORM
RATE YOUR EXPERIENCE WITH US
5
Any other suggestions
or improvements
Awesome service provided.
SUBMIT

SYSTEM SECURITY MEASURES

SECURITY

The security of a computer system is a crucial task. It is a process of ensuring the confidentiality and integrity of the OS.

A system is said to be secure if its resources are used and accessed as intended under all the circumstances, but no system can guarantee absolute security from several of various malicious threats and unauthorized access.

The security of a system can be threatened via two violations:

Threat: A program that has the potential to cause serious damage to the system.

Attack: An attempt to break security and make unauthorized use of an asset.

SECURITY SYSTEM GOALS

Henceforth, based on the above breaches, the following security goals are aimed:

INTEGRITY:

The objects in the system mustn't be accessed by any unauthorized user & any user not having sufficient rights should not be allowed to modify the important system files and resources.

SECRECY:

The objects of the system must be accessible only to a limited number of authorized users. Not everyone should be able to view the system files.

AVAILABILITY:

All the resources of the system must be accessible to all the authorized users i.e only one user/process should not have the right to hog all the system resources. If such kind of situation occurs, denial of service could happen. In this kind of situation, malware might hog the resources for itself & thus preventing the legitimate processes from accessing the system resources.

SECURITY MEASURES TAKEN

STRONG PASSWORDS

This first measure is taken that users may use special characters in their passwords and password length must be 8 characters.

CONFIDENTIALITY

If any users is sharing their personal details in login form it will be secure safely as only users can access such information.

IMPLEMENTATION, EVALUATION & MAINTENANCE

IMPLEMENTATION

The software implementation stage involves the transformation of the software technical data package (TDP) into one or more fabricated, integrated, and tested software configuration items that are ready for software acceptance testing. Software implementation refers to the process of adopting and integrating a software application into a business or an individuals' workflow (as a part of a digital transformation strategy). The primary activities of software implementation include the:

- Fabrication of software units to satisfy structural unit specifications.
- Assembly, integration, and testing of software components into a software configuration item.
- Prototyping challenging software components to resolve implementation risks or establish a fabrication proof of concept.
- Dry-run acceptance testing procedures to ensure that the procedures are properly delineated and that the software product (software configuration items (Cis and computing environment) is ready for acceptance testing.

The implementation process includes planning, organizing, developing procedures, training the users, developing forms for data collection, developing files for storage of data, testing the system, cutover, and documenting the system. The process is further explained as such:

- **Organizing for Implementation:**

In this stage, the responsibilities regarding the implementation of software are assigned to the respective persons for efficiency and quick as well as concise and clear implementation of software.

- **Developing Procedures for Implementation:**

Proper procedure should be established for the implementation of the system developed. These procedure help guide the developer(s) through the process of installation and implementation. Procedures should be established for the following purposes:

O Evaluation and selection of hardware

O Purchase or development of software

O Implementation of MIS in parts

- Hardware and Software Acquisition:

Acquisition of hardware and software has to be made for the physical installation of networks. Hardware includes computers and other peripherals, while software includes the operating system,

applications, and programming languages. Another major managerial decision involved in this stage is whether to buy the hardware or lease it from the vendors. Capital expenditure analysis, prestige, usage, anticipated replacement schedule, and vendor's options are some of the factors that are taken into consideration to decide whether to buy the hardware or lease it.

- **Develop Forms for Data Collection:**

Organizations generate or collect a vast amount of data from both internal and external sources. This data must be stored in standardized formats. To do so, daily activities should be recorded in specifically designed forms. Even in organizations where sophisticated technology is used for recording of data, some forms need to be used. These may be formats in which data is stored. Forms are used not only for input/output of data but also for transfer of data between processes. However, in such small-scale projects, one must collect data on a basic level or create own, small datasets or data items.

E.g.: Creating dummy database entries to observe if the software functions as needed.

Changeover:

Changeover is the point at which the new system replaces the old system. This entails activities like the physical transfer of files,

furniture, and other office equipment and also the movement of people. Even after component and subsystem testing, problems cannot be ruled out.

During this period, forms and programs may have to be changed and some employees may be transferred. It is at this stage that the practical realities of the system are reflected. These cannot be found out during the pre-acceptance testing.

Documenting the System:

Documentation is the process of maintaining written reports describing the scope, purpose, information flow, and operating procedures of the system. It is required when there is need for troubleshooting, replacement of the subsystem, training operating personnel, and upgrading the system. Maintaining documents helps organizations in several ways:

New personnel can be trained easily with the help of documents.

- Designers who are not familiar with the system can refer to the documents to understand the system.
- Designers who are not familiar with the system can refer to the documents to understand the system.
- Designers who are not familiar with the system can refer to the documents to understand the system.

EVALUATION

After the implementation phase, another stage in project development is Evaluation. Evaluation during a program's implementation may examine whether the program is successfully recruiting and retaining its intended participants, using training materials that meet standards for accuracy and clarity, maintaining its projected timelines, coordinating efficiently with other ongoing programs and activities, and meeting applicable legal standards. Evaluation during program implementation could be used to inform mid-course corrections to program implementation (formative evaluation) or to shed light on implementation processes (process evaluation). After keeping the project in the working condition for the sometime, all the errors that are showing in the computer program should be removed. The programmer needs to correct them so that same errors should not be repeated. We should also get the feedback from the user which are using it and ask them whether, it is user friendly or not. After evaluating the Program and satisfying the needs of the user the program is maintained.

While building and evaluating our project, we conclude that 'CARPAL' is very basic and has very basic functionalities as well. Hence it has high scope of development in future.

MAINTENANCE

Maintenance of software can include software upgrades, repairs, and fixes of the software if it breaks.

Software applications often need to be upgraded or integrated with new systems the customer deploys. It's often necessary to provide additional testing of the software or version upgrades. During the maintenance phase, errors or defects may exist, which would require repairs during additional testing of the software. Monitoring the performance of the software is also included during the maintenance phase.

Once the system is deployed, and customers start using the developed system, following 3 activities occur:

- **Bug fixing** – bugs are reported because of some scenarios which are not tested at all.
- **Upgrade** – Upgrading the application to the newer versions of the Software.
- **Enhancement** – Adding some new features into the existing software.

In the case of our project, the bug existing is that it has very basic functionalities. Use of maps is being done via third party

references. In our application, we've just used dummy locations, but In future, proper usage of google maps can be done.

FUTURE SCOPE

- **Usage of QR code:** In the present application, we have just used the option of cash payment. But in future, the options of QR can be used to do the payments.

- **Usage of electronic payment methods:** Apart from QR code scanner, in future the e payment systems, UPI can be used for the processing of payments.

- **Dependency on third party references:** the current system is made by using the third party references.

- **Use of real time maps:** In our application, we have used dummy location to showcase the working but, in the future updates, usage of Real time maps would ensure better functioning of the application.

- **Option to use more modes of transport:** in the current system, we've just incorporated usage of cars or cabs. But the updates can be usage of two wheelers for the ride sharing.

- **Inter City travel:** in the current application, we've just made it possible to share the ride in the city. But the application can be updated to use for intercity traveling.

- **Voice recognition system:** in the further updates, voice recognition systems can be used by the user.

- **Expansion in other arenas:** as of now, the application is just used for ride sharing. But in future updates, it can be also used for logistics where the users can communicate with each other for transporting the items.

CONCLUSION

While working on this project, we were able to understand and appreciate the many inner functionalities and delicate brilliance of the languages used in this project. It was an incredible learning opportunity that helped us understand some of the inner workings that come with developing a project.

Our project is to create an application that enables users to share their ride with another user. This application gives the choice to the user whether they want to offer a ride to someone else or whether they need a ride.

We were clear as to what we wanted to achieve, but a little unclear on the execution of it. For this, we had to rely on references and official documentation and the teacher's.

The project is very basic in its nature and has vast scope for improvement in the future. The current project is primarily helps users to share trips.

All the procedures and the above stated technical elements are a culmination of 3 years of education provided by our teachers and mentors.

BIBLOGRAPHY & REFERENCES

- https://developer.android.com/studio/help&support
- www.google.com
- www.youtube.com
- www.tutorialspoint.com
- www.javatpoint.com

A
PROJECT SYNOPSIS
ON

"CARPAL"

Submitted to

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
AUTONOMOUS
In the Partial Fulfillment of

B.Com. (Computer Application) Final Year

Synopsis Submitted by
Zahed Ahmed Khwaja
Tanushree Biroley

Under the Guidance of

Pravin J. Yadao

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
AUTONOMOUS
2021-2022

1. Introduction: (Write 4 to 5 lines)

"CARPAL" is a ride sharing application. The idea is to create an interface to connect the users who can share their location and destination so that others who are going down the same way can share the ride with them. This will help in reducing carbon emission which is responsible for air pollution. It helps in reducing the fuel consumption on daily basis, thereby saving it from extinction. It also saves time by avoiding the traffic.

2. Objectives of the project: (Write only 5 points)

1. Sharing ride with others will help in reducing the pollution.
2. Ride sharing helps people going to offices/colleges on daily basis so that they can reach to their destination on time and at affordable rate by sharing cost of fuel.
3. For long distances the user don't have to bear the cost of fuel alone, instead by sharing the ride with others the cost of fuel can be split and the ride can be affordable.
4. It will make it easy for the users to socialize.
5. It will reduce the daily fuel consumption rate.

3. Project Category: Application

4. Tools/ Platform/ Languages to be used: Android Studio, Java, SQL

5. Scope of future application: (Write 4 to 5 points)

1. e-wallet service can be added.
2. Inter-city travels can be introduced.
3. Ride sharing can be introduced in two wheelers too.
4. Delivery services can be added.

Submitted by,

Zahed Ahmed Khwaja

Tanushree Biroley

Approved by,

Prof. Pravin Yadao

Project Guide