MIT POLYTECHNIC PUNE

MICRO PROJECT

Academic year: 2020-21

TITLE OF PROJECT

MOBILE RECHARGE SYSTEM

Program: Computer Engineering

Program code: CO6I

Course: MAD

Course code: 22617

(Prof.Mrs.H.S.Ohal)   (Prof.Mrs.J.P.Khurpade)

(Name of the guide)   (Name of HOD)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

Certificate

This is to certify that Mr. **Prasad Raghunath Labade** Roll No. **37** of

IV Semester of Diploma in **Computer Engineering** of Institute: **MIT**

Polytechnic Pune (Code:0148) has completed the **MICRO**

PROJECT satisfactorily in Subject **MAD** for the academic year **2020-2021** as prescribed in the curriculum.

Place: Pune   **Enrolment No: 1801480270**
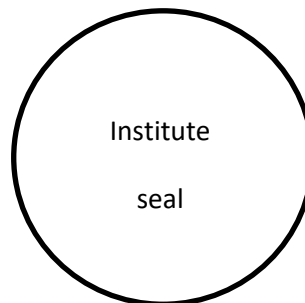
Date: **Exam. Seat No:**

Subject Teacher   **Head of the department**   **Principal**

(Prof.Mrs.H.S.Ohal)   (Prof.Mrs.J.P.Khurpade)   (Dr. R.S.Kale)

Institute

seal

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

STUDENT/GROUP DETAILS

Sr. No.	Name of the Student	Roll No.	Enrollment No.	Seat No.
1	Prasad Labade	37	1801480270	

Name of Guide: Prof. Mrs.H.S.Ohal

Micro-Project Proposal – A

VI Semester (MAD)

MOBILE RECHARGE SYSTEM

1.0   Brief Introduction:

In my project, I have developed a android application using android studio combined with sqlite3 database. I have used various android components as well as java features to achieve complete traversing and database functionality across my system. Android components such as Textview , Edittext , Buttons , Gradients , Layouts and radiobuttons ; Java features such as intentfilter , database connectivity , toast messages.

2.0   Aim of the Micro - Project:

- Develop a recharge system application using android components and Java features.

3.0   Action Plan:

Sr. No	Details of activity	Planned Start date	Planned Finish date	Name of Responsible Team Member
1	Searching for Topic	8 / 4 / 2021	11 / 4 / 2021	Prasad Labade
2	Surveying information	12 / 4 / 2021	15 / 4 / 2021	
3	Requirement Analysis	16 / 4 / 2021	19 / 4 / 2021	
4	Finalizing Design (Layout)	20 / 4 / 2021	27 / 4 / 2021	
5	Generating Program & Final Execution	28 / 4 / 2021	1 / 4 / 2021	
6	Report Generation	2 / 5 / 2021	4 /5 / 2021	
7	Final Submission	1 / 6 / 2021	1 / 6 / 2021	

4.0   Resources Required:

- Android Studio
- Sqlite3
- www.geeksforgeeks.com

Micro-Project Proposal – B

MOBILE RECHARGE SYSTEM

1.0 Brief Introduction:

In my project, I have developed a android application using android studio combined with sqlite3 database. I have used various android components as well as java features to achieve complete traversing and database functionality across my system. Android components such as Textview , Edittext , Buttons , Gradients , Layouts and radiobuttons ; Java features such as intentfilter , database connectivity , toast messages.

2.0 Aim of the Micro - Project:

- Develop a recharge system application using android components and Java features.

3.0 Course outcomes Integrated :

- Develop rich user Interfaces by using layouts and tools.
- Use User Interface components for android application development.
- Create android application using database.

4.0 Actual procedure followed :

Step – 1 : Develop Individual UserInterfaces for different modules of the system.

Step – 2 : Develop gradient backgrounds and UI effects for the components and assign them.

Step – 3 : Connect individual modules to the database and achieve full database functionality.

Step – 4 : Connect all the modules to each other and test for the functionality.

Step – 5 : Build the .apk file for the system.

5.0   Actual Resources used :

Code for the system :-
XML FILES :

Activity_main.xml

```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="@drawable/gradient"
    tools:context=".redgear">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:fontFamily="sans-serif-medium"
        android:text="ROADSTR PAYMENT SYSTEM"
        android:textAllCaps="true"
        android:textColor="#fff"
        android:textSize="18sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_marginStart="32dp"
        android:layout_marginTop="80dp"
        android:layout_marginEnd="32dp"
        android:orientation="vertical"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView">

        <EditText
            android:id="@+id/editText"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:backgroundTint="#fff"
```

```xml
        android:ems="10"
        android:foregroundTint="#fff"
        android:hint="Name"
        android:inputType="textPersonName"
        android:textColorHint="#B6B2B2" />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:backgroundTint="#fff"
        android:ems="10"
        android:foregroundTint="#fff"
        android:hint="Mobile Number"
        android:inputType="textPersonName"
        android:textColorHint="#B6B2B2" />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:backgroundTint="#fff"
        android:ems="10"
        android:foregroundTint="#fff"
        android:hint="Username"
        android:inputType="textPersonName"
        android:textColorHint="#B6B2B2" />

    <EditText
        android:id="@+id/editText3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
        android:backgroundTint="#fff"
        android:ems="10"
        android:foregroundTint="#fff"
        android:hint="Password"
        android:inputType="textPersonName"
        android:textColorHint="#B6B2B2" />

    <Button
        android:id="@+id/button"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="48dp"
        android:background="@drawable/button"
        android:text="sign-up"
        android:onClick="AddUser"
        />
</LinearLayout>
```

```xml
<Button
    android:id="@+id/button2"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginEnd="32dp"
    android:layout_marginBottom="40dp"
    android:background="@drawable/button2"
    android:onClick="login"
    android:text="Log-in"
    android:textColor="#fff"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="16dp"
    android:text="Already a Member?"
    android:textColor="#fff"
    app:layout_constraintBottom_toTopOf="@+id/button2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent" />

<LinearLayout
    android:id="@+id/linearLayout2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="24dp"
    android:orientation="horizontal"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/linearLayout">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="30dp"
        android:layout_height="30dp"
        android:layout_weight="1"
        app:srcCompat="@drawable/google"
        android:onClick="insta"/>

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="30dp"
        android:layout_height="30dp"
        android:layout_marginLeft="16dp"
```

```
                android:layout_weight="1"
                android:onClick="facebook"
                android:padding="4dp"
                app:srcCompat="@drawable/facebook" />

            <ImageView
                android:id="@+id/imageView3"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="twitter"
                android:padding="4dp"
                app:srcCompat="@drawable/twitter" />
        </LinearLayout>

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

Addmoney.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="@drawable/dashboardgradient"
    tools:context=".module1j">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:fontFamily="sans-serif-medium"
        android:text="ADD MONNEY TO WALLET"
        android:textAllCaps="true"
        android:textColor="#fff"
        android:textSize="30sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_marginStart="32dp"
```

```xml
        android:layout_marginTop="80dp"
        android:layout_marginEnd="32dp"
        android:orientation="vertical"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView">

    <EditText
        android:id="@+id/editText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:backgroundTint="#fff"
        android:ems="10"
        android:foregroundTint="#fff"
        android:hint="MobileNumber"
        android:inputType="textPersonName"
        android:textColorHint="#B6B2B2" />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:backgroundTint="#fff"
        android:ems="10"
        android:foregroundTint="#fff"
        android:hint="Card-Number"
        android:inputType="textPersonName"
        android:textColorHint="#B6B2B2" />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
        android:backgroundTint="#fff"
        android:ems="10"
        android:foregroundTint="#fff"
        android:hint="Card CVV"
        android:inputType="textPersonName"
        android:textColorHint="#B6B2B2" />

    <EditText
        android:id="@+id/editText3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
        android:backgroundTint="#fff"
        android:ems="10"
        android:foregroundTint="#fff"
        android:hint="Card Expiry Date"
```

```xml
                    android:inputType="textPersonName"
                    android:textColorHint="#B6B2B2" />




            <EditText
                android:id="@+id/editText4"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginTop="8dp"
                android:backgroundTint="#fff"
                android:ems="10"
                android:foregroundTint="#fff"
                android:hint="Amount"
                android:inputType="textPersonName"
                android:textColorHint="#B6B2B2" />

            <Button
                android:id="@+id/button"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginTop="48dp"
                android:background="@drawable/button"
                android:text="ADD MONEY "
                android:onClick="addmoney"/>
        </LinearLayout>



        <LinearLayout
            android:id="@+id/linearLayout2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="24dp"
            android:orientation="horizontal"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/linearLayout">

            <ImageView
                android:id="@+id/imageView"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_weight="1"
                app:srcCompat="@drawable/google"
                android:onClick="insta"/>

            <ImageView
                android:id="@+id/imageView2"
                android:layout_width="30dp"
```

```
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="facebook"
                android:padding="4dp"
                app:srcCompat="@drawable/facebook"
                />

        <ImageView
                android:id="@+id/imageView3"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="twitter"
                android:padding="4dp"
                app:srcCompat="@drawable/twitter" />
    </LinearLayout>

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

Dashboard.xml :

```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="@drawable/dashboardgradient"
    tools:context=".dashboardj">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:fontFamily="sans-serif-medium"
        android:text="ROADSTR PAYMENT SYSTEM"
        android:textAllCaps="true"
        android:textColor="#fff"
        android:textSize="25sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

```xml
<LinearLayout
    android:id="@+id/linearLayout"
    android:layout_width="match_parent"
    android:layout_height="0dp"
    android:layout_marginStart="32dp"
    android:layout_marginTop="80dp"
    android:layout_marginEnd="32dp"
    android:orientation="vertical"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView">

    <ImageView
        android:id="@+id/imageView6"
        android:layout_width="80dp"
        android:layout_height="80dp"
        android:layout_marginLeft="130dp"
        android:layout_weight="1"
        android:padding="4dp"
        app:srcCompat="@drawable/user" />

    <Button
        android:id="@+id/button"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="48dp"
        android:background="@drawable/button"
        android:text="ADD MONEY"
        android:onClick="addMoney"/>

    <Button
        android:id="@+id/button1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="48dp"
        android:background="@drawable/button"
        android:text="RECHARGE"
        android:onClick="Recharge"/>

    <Button
        android:id="@+id/button2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="48dp"
        android:background="@drawable/button"
        android:text="CHECK BALANCE"
        android:onClick="checkbalance"/>

    <Button
```

```xml
                android:id="@+id/button3"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginTop="48dp"
                android:background="@drawable/button"
                android:text="LOG - OUT"
                android:onClick="logout"/>
        </LinearLayout>
        <LinearLayout
            android:id="@+id/linearLayout2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="24dp"
            android:orientation="horizontal"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/linearLayout">

            <ImageView
                android:id="@+id/imageView"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_weight="1"
                app:srcCompat="@drawable/google"
                android:onClick="insta"/>

            <ImageView
                android:id="@+id/imageView2"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="facebook"
                android:padding="4dp"
                app:srcCompat="@drawable/facebook" />

            <ImageView
                android:id="@+id/imageView3"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="twitter"
                android:padding="4dp"
                app:srcCompat="@drawable/twitter" />
        </LinearLayout>

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

Checkbalance.xml:

```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="@drawable/dashboardgradient"
    tools:context=".module3j">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:fontFamily="sans-serif-medium"
        android:text="CHECK BALANCE"
        android:textAllCaps="true"
        android:textColor="#fff"
        android:textSize="30sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_marginStart="32dp"
        android:layout_marginTop="80dp"
        android:layout_marginEnd="32dp"
        android:orientation="vertical"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView">

        <EditText
            android:id="@+id/editText2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="8dp"
            android:backgroundTint="#fff"
            android:ems="10"
            android:foregroundTint="#fff"
```

```xml
        android:hint="Mobile Number"
        android:inputType="textPersonName"
        android:textColorHint="#B6B2B2" />


<Button
    android:id="@+id/button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="48dp"
    android:background="@drawable/button"
    android:text="CHECK BALANCE"
    android:onClick="balance"
    />


<TextView
    android:id="@+id/textView2"
    android:layout_marginTop="60dp"
    android:textColor="#fff"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:textAllCaps="true"
     />

<TextView
    android:id="@+id/textView3"
    android:layout_marginTop="10dp"
    android:textColor="#fff"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:textAllCaps="true"
     />

<TextView
    android:id="@+id/textView4"
    android:layout_marginTop="10dp"
    android:textColor="#fff"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:textAllCaps="true"
    />

<TextView
    android:id="@+id/textView5"
    android:layout_marginTop="10dp"
```

```xml
                android:textColor="#fff"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:textSize="20sp"
                android:textAllCaps="true"
                />
        </LinearLayout>



        <LinearLayout
            android:id="@+id/linearLayout2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="24dp"
            android:orientation="horizontal"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/linearLayout">

            <ImageView
                android:id="@+id/imageView"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_weight="1"
                app:srcCompat="@drawable/google"
                android:onClick="insta"/>

            <ImageView
                android:id="@+id/imageView2"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="facebook"
                android:padding="4dp"
                app:srcCompat="@drawable/facebook" />

            <ImageView
                android:id="@+id/imageView3"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="twitter"
                android:padding="4dp"
                app:srcCompat="@drawable/twitter" />
        </LinearLayout>

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

Recharge.xml :

```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="@drawable/dashboardgradient"
    tools:context=".module2j">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:fontFamily="sans-serif-medium"
        android:text="RECHARGE HERE"
        android:textAllCaps="true"
        android:textColor="#fff"
        android:textSize="30sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_marginStart="32dp"
        android:layout_marginTop="80dp"
        android:layout_marginEnd="32dp"
        android:orientation="vertical"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView">

        <TextView
            android:id="@+id/textView1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="60dp"
            android:fontFamily="sans-serif-medium"
            android:text="Transaction Date : Auto - generated"
            android:textColor="#fff"
            android:textSize="20sp"
```

```xml
            />

        <TextView
            android:id="@+id/textView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="20dp"
            android:fontFamily="sans-serif-medium"
            android:text="Transaction Date : Auto - generated"
            android:textColor="#fff"
            android:textSize="20sp"
             />

        <EditText
            android:id="@+id/editText2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="8dp"
            android:backgroundTint="#fff"
            android:ems="10"
            android:foregroundTint="#fff"
            android:hint="Mobile Number"
            android:inputType="textPersonName"
            android:textColorHint="#B6B2B2" />



        <EditText
            android:id="@+id/editText3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="8dp"
            android:backgroundTint="#fff"
            android:ems="10"
            android:foregroundTint="#fff"
            android:hint="Service Provider"
            android:inputType="textPersonName"
            android:textColorHint="#B6B2B2" />



        <EditText
            android:id="@+id/editText4"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="8dp"
            android:backgroundTint="#fff"
            android:ems="10"
            android:foregroundTint="#fff"
            android:hint="Amount"
```

```xml
            android:inputType="textPersonName"
            android:textColorHint="#B6B2B2" />

        <RadioGroup
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/radioGroup"
            android:orientation="horizontal"
            android:layout_marginTop="10dp"
            android:layout_marginLeft="35dp">

            <RadioButton
                android:id="@+id/radioMale"
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="  PrePaid     "
                android:textColor="#fff"
                android:checked="false"
                android:textSize="20dp" />

            <RadioButton
                android:id="@+id/radioFemale"
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="  PostPaid"
                android:textColor="#fff"
                android:checked="false"
                android:textSize="20dp" />
        </RadioGroup>

        <Button
            android:id="@+id/button"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="48dp"
            android:background="@drawable/button"
            android:text="RECHARGE"
            android:onClick="recharge"
            />
    </LinearLayout>


    <LinearLayout
        android:id="@+id/linearLayout2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:orientation="horizontal"
        app:layout_constraintEnd_toEndOf="parent"
```

```xml
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/linearLayout">

            <ImageView
                android:id="@+id/imageView"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_weight="1"
                app:srcCompat="@drawable/google"
                android:onClick="insta"/>

            <ImageView
                android:id="@+id/imageView2"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="facebook"
                android:padding="4dp"
                app:srcCompat="@drawable/facebook" />

            <ImageView
                android:id="@+id/imageView3"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="16dp"
                android:layout_weight="1"
                android:onClick="twitter"
                android:padding="4dp"
                app:srcCompat="@drawable/twitter" />
        </LinearLayout>

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

Rsignup.xml :
```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="@drawable/gradient"
    tools:context=".redgear">

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

```xml
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:fontFamily="sans-serif-medium"
        android:text="ROADSTR PAYMENT SYSTEM"
        android:textAllCaps="true"
        android:textColor="#fff"
        android:textSize="18sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_marginStart="32dp"
        android:layout_marginTop="80dp"
        android:layout_marginEnd="32dp"
        android:orientation="vertical"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView">

        <EditText
            android:id="@+id/editText"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:backgroundTint="#fff"
            android:ems="10"
            android:foregroundTint="#fff"
            android:hint="Name"
            android:inputType="textPersonName"
            android:textColorHint="#B6B2B2" />

        <EditText
            android:id="@+id/editText1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:backgroundTint="#fff"
            android:ems="10"
            android:foregroundTint="#fff"
            android:hint="Mobile Number"
            android:inputType="textPersonName"
            android:textColorHint="#B6B2B2" />

        <EditText
            android:id="@+id/editText2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
```

```xml
            android:backgroundTint="#fff"
            android:ems="10"
            android:foregroundTint="#fff"
            android:hint="Username"
            android:inputType="textPersonName"
            android:textColorHint="#B6B2B2" />

        <EditText
            android:id="@+id/editText3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="8dp"
            android:backgroundTint="#fff"
            android:ems="10"
            android:foregroundTint="#fff"
            android:hint="Password"
            android:inputType="textPersonName"
            android:textColorHint="#B6B2B2" />

        <Button
            android:id="@+id/button"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="48dp"
            android:background="@drawable/button"
            android:text="sign-up"
            android:onClick="AddUser"
            />
    </LinearLayout>

    <Button
        android:id="@+id/button2"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginEnd="32dp"
        android:layout_marginBottom="40dp"
        android:background="@drawable/button2"
        android:onClick="login"
        android:text="Log-in"
        android:textColor="#fff"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="16dp"
```

```xml
            android:text="Already a Member?"
            android:textColor="#fff"
            app:layout_constraintBottom_toTopOf="@+id/button2"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent" />

    <LinearLayout
        android:id="@+id/linearLayout2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:orientation="horizontal"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/linearLayout">

        <ImageView
            android:id="@+id/imageView"
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:layout_weight="1"
            app:srcCompat="@drawable/google"
            android:onClick="insta"/>

        <ImageView
            android:id="@+id/imageView2"
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:layout_marginLeft="16dp"
            android:layout_weight="1"
            android:onClick="facebook"
            android:padding="4dp"
            app:srcCompat="@drawable/facebook" />

        <ImageView
            android:id="@+id/imageView3"
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:layout_marginLeft="16dp"
            android:layout_weight="1"
            android:onClick="twitter"
            android:padding="4dp"
            app:srcCompat="@drawable/twitter" />
    </LinearLayout>

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

JAVA FILES :

Mainactivity.java

```java
package com.example.microproject;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.net.Uri;
import android.content.Intent;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {
        EditText username ,password;
        signupdb helper;
        @Override
        protected void onCreate(Bundle savedInstanceState)
        {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            username = findViewById(R.id.editText);
            password = findViewById(R.id.editText2);
            helper = new signupdb(this);
        }

        public void checklogin(View v)
        {
            String t1 = username.getText().toString();
            String t2 = password.getText().toString();
            if (t1.equals("") || t2.equals(""))
            {
                message.message(getApplicationContext(),"Invalid
Credentials");
            }
            else {
                boolean data = helper.getData(t1, t2);
                if (data == true)
                {
                    message.message(getApplicationContext(),"Login
Successfull");
                    dash();
                }else
                {
```

```java
                        message.message(getApplicationContext(),"Login
Failed");
                }
            }


        }

    public void signup(View v)
    {
        Intent intent = new Intent(this, redgear.class);
        startActivity(intent);
    }
    public void facebook(View v)
    {
        Uri uri =
Uri.parse("https://www.facebook.com/prasad.labde.54");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void twitter(View v)
    {
        Uri uri = Uri.parse("https://twitter.com/prasad_labade");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void insta(View V)
    {
        Uri uri =
Uri.parse("https://www.instagram.com/the_cartoongram/");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void dash()
    {
        Intent intent = new Intent(this, dashboardj.class);
        startActivity(intent);
    }

}
```

dashboard.java

```java
package com.example.microproject;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
```

```java
import android.net.Uri;
import android.content.Intent;

public class dashboardj extends AppCompatActivity
{
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.dashboard);
    }

    public void addMoney(View v)
    {
        Intent intent = new Intent(this, module1j.class);
        startActivity(intent);
    }

    public void Recharge(View v)
    {
        Intent intent = new Intent(this, module2j.class);
        startActivity(intent);
    }

    public void checkbalance(View v)
    {
        Intent intent = new Intent(this, module3j.class);
        startActivity(intent);
    }

    public void logout(View v)
    {
        Intent intent = new Intent(this, MainActivity.class);
        startActivity(intent);
    }
    public void facebook(View v)
    {
        Uri uri =
Uri.parse("https://www.facebook.com/prasad.labde.54");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void twitter(View v)
    {
        Uri uri = Uri.parse("https://twitter.com/prasad_labade");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void insta(View V)
    {
```

```java
        Uri uri =
Uri.parse("https://www.instagram.com/the_cartoongram/");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }

}
```

module1.java

```java
package com.example.microproject;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.net.Uri;
import android.content.Intent;
import android.widget.EditText;

public class module1j extends AppCompatActivity
{
    EditText mobilenumber,cardnumber,cvv,expiry,amount;
    maindb helper;
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.addmoney);

        mobilenumber = findViewById(R.id.editText);
        cardnumber = findViewById(R.id.editText1);
        cvv = findViewById(R.id.editText2);
        expiry = findViewById(R.id.editText3);
        amount = findViewById(R.id.editText4);
        helper = new maindb(this);
    }

    public void addmoney(View v)
    {
        String t1 = mobilenumber.getText().toString();
        String t2 = cardnumber.getText().toString();
        String t3 = cvv.getText().toString();
        String t4 = expiry.getText().toString();
        String t5 = amount.getText().toString();
        String t6 = "";
```

```java
        if (t1.equals("") || t2.equals("") || t3.equals("") ||
t4.equals("") || t5.equals(""))
        {
            message.message(getApplicationContext(),"Please Enter all
details");
        }else
        {
            Boolean data = helper.insertData(t1,t2,t3,t4,t5,t6);
            if (data == true)
            {
                message.message(getApplicationContext(), "Money Added
successfully");
                backtohome();
            }
            else
            {
                message.message(getApplicationContext(), "Some error
occured");
            }
        }
    }

    public void facebook(View v)
    {
        Uri uri =
Uri.parse("https://www.facebook.com/prasad.labde.54");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void twitter(View v)
    {
        Uri uri = Uri.parse("https://twitter.com/prasad_labade");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void insta(View V) {
        Uri uri =
Uri.parse("https://www.instagram.com/the_cartoongram/");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void backtohome()
    {
        Intent intent = new Intent(this, dashboardj.class);
        startActivity(intent);
    }
}
```

module2.java

```java
package com.example.microproject;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.net.Uri;
import android.content.Intent;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;

import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;

public class module2j extends AppCompatActivity {
    RadioButton genderradioButton;
    RadioGroup radioGroup;
    EditText mobilenumber,serviceprovider,amount;
    maindb helper;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.recharge);
        mobilenumber = findViewById(R.id.editText2);
        serviceprovider = findViewById(R.id.editText3);
        amount = findViewById(R.id.editText4);
        radioGroup=(RadioGroup)findViewById(R.id.radioGroup);
        helper = new maindb(this);
    }

    public void recharge(View v)
    {
        Calendar calendar = Calendar.getInstance();
        SimpleDateFormat mdformat = new SimpleDateFormat("HH:mm:ss");
        String strTime = mdformat.format(calendar.getTime());

        SimpleDateFormat sdf = new SimpleDateFormat("yyyy.MM.dd");
        String currentDate = sdf.format(new Date());

        int selectedId = radioGroup.getCheckedRadioButtonId();
        genderradioButton = (RadioButton) findViewById(selectedId);
        String t1 = mobilenumber.getText().toString();
        String t2 = serviceprovider.getText().toString();
        String t3 = amount.getText().toString();
```

```java
        if (t1.equals("") || t2.equals("") || t3.equals("") ||
currentDate.equals("") || strTime.equals(""))
        {
            message.message(getApplicationContext(),"Please Enter all
details");
        }
        else {
            Boolean data = helper.update(t1,strTime,currentDate,t3);
            if (data == true)
            {
                message.message(getApplicationContext(), "Recharge
successfully");
                backtohome();
            }
            else
            {
                message.message(getApplicationContext(), "Some error
occured");
            }
        }
    }
    public void facebook(View v)
    {
        Uri uri =
Uri.parse("https://www.facebook.com/prasad.labde.54");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void twitter(View v)
    {
        Uri uri = Uri.parse("https://twitter.com/prasad_labade");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void insta(View V)
    {
        Uri uri =
Uri.parse("https://www.instagram.com/the_cartoongram/");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void backtohome()
    {
        Intent intent = new Intent(this, dashboardj.class);
        startActivity(intent);
    }
}
```

module3.java

```java
package com.example.microproject;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.net.Uri;
import android.content.Intent;
import android.widget.EditText;
import android.widget.TextView;

import java.lang.reflect.Array;
import java.util.ArrayList;

public class module3j extends AppCompatActivity {
    EditText mobilenumber;
    TextView t2,t3,t4,t5;
    maindb helper;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.checkbalance);
        mobilenumber = findViewById(R.id.editText2);
        t2 = findViewById(R.id.textView2);
        t3 = findViewById(R.id.textView3);
        t4 = findViewById(R.id.textView4);
        t5 = findViewById(R.id.textView5);
        helper = new maindb(this);
    }

    public void balance(View v)
    {
        String t1 = mobilenumber.getText().toString();
        if (t1.equals(""))
        {
            message.message(getApplicationContext(),"Please Enter
Mobile Number");
        }
        else
        {
            ArrayList<String> data = helper.getDetails(t1);
            message.message(getApplicationContext(),"Data
Retrieved");
            t2.setText("Mobile Number : " + t1);
            t3.setText("Amount in Wallet: "+ data.get(0));
            t4.setText("last Transaction Date : "+data.get(1));
```

```java
                t5.setText("Last Transaction Time : "+data.get(2));
        }
    }
    public void facebook(View v)
    {
        Uri uri =
Uri.parse("https://www.facebook.com/prasad.labde.54");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void twitter(View v)
    {
        Uri uri = Uri.parse("https://twitter.com/prasad_labade");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void insta(View V)
    {
        Uri uri =
Uri.parse("https://www.instagram.com/the_cartoongram/");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
}
```

redgear.java

```java
package com.example.microproject;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.net.Uri;
import android.content.Intent;
import android.widget.EditText;

public class redgear extends AppCompatActivity
{
    EditText Name,MobileNumber,Username,Password;
    signupdb helper;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.rsignup);

        Name = findViewById(R.id.editText);
        MobileNumber = findViewById(R.id.editText1);
```

```java
        Username = findViewById(R.id.editText2);
        Password = findViewById(R.id.editText3);

        helper = new signupdb(this);
    }
        public void AddUser(View v)
        {
            String t1 = Name.getText().toString();
            String t2 = MobileNumber.getText().toString();
            String t3 = Username.getText().toString();
            String t4 = Password.getText().toString();
            if (t1.equals("") || t2.equals("") || t3.equals("") ||
t4.equals(""))
            {
                message.message(getApplicationContext(),"Please Enter
all details");
            }
            else {
                long id = helper.insertData(t1, t2, t3, t4);
                if (id <= 0) {
                    message.message(getApplicationContext(),
"Registration Unsuccessful");
                    Name.setText("");
                    MobileNumber.setText("");
                    Username.setText("");
                    Password.setText("");
                } else {
                    message.message(getApplicationContext(),
"Registration Successful");
                    Name.setText("");
                    MobileNumber.setText("");
                    Username.setText("");
                    Password.setText("");
                }
            }
        }


    public void login(View v)
    {
        Intent intent = new Intent(this, MainActivity.class);
        startActivity(intent);
    }
    public void facebook(View v)
    {
        Uri uri =
Uri.parse("https://www.facebook.com/prasad.labde.54");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
```

```java
    }
    public void twitter(View v)
    {
        Uri uri = Uri.parse("https://twitter.com/prasad_labade");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
    public void insta(View V)
    {
        Uri uri =
Uri.parse("https://www.instagram.com/the_cartoongram/");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
}
```

message.java

```java
package com.example.microproject;


import android.content.Context;
import android.widget.Toast;

public class message
{
    public static void message(Context context, String message)
    {
        Toast.makeText(context, message, Toast.LENGTH_LONG).show();
    }
}
```

DATABASE FILES :

Main.db

```java
package com.example.microproject;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import java.util.ArrayList;
```

```java
public class maindb {
    maindb.myDbHelper myhelper;
    public maindb(Context context) {
        myhelper = new myDbHelper(context);
    }
    public Boolean insertData(String mobilenumber,String
cardnumber,String cvv, String expiry,String amount,String nul)
    {
        SQLiteDatabase dbb = myhelper.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put(myDbHelper.MOBILENUMBER, mobilenumber);
        contentValues.put(myDbHelper.CARDNUMBER, cardnumber);
        contentValues.put(myDbHelper.CVV, cvv);
        contentValues.put(myDbHelper.EXPIRY, expiry);
        contentValues.put(myDbHelper.AMOUNT, amount);
        contentValues.put(myDbHelper.TRANSACTION_DATE, nul);
        contentValues.put(myDbHelper.TRANSACTION_TIME, nul);
        long id = dbb.insert(maindb.myDbHelper.TABLE_NAME, null ,
contentValues);
        return true;
    }

    public Boolean update(String mobilenumber , String time ,String
date, String amount)
    {
        SQLiteDatabase db = myhelper.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        String x = getAmount(mobilenumber);
        int y = Integer.parseInt(x);
        int z = Integer.parseInt(amount);
        int a = y-z;
        contentValues.put(myDbHelper.AMOUNT,a);
        contentValues.put(myDbHelper.TRANSACTION_TIME,time);
        contentValues.put(myDbHelper.TRANSACTION_DATE,date);
        String[] whereArgs= {mobilenumber};
        int count
=db.update(maindb.myDbHelper.TABLE_NAME,contentValues,
myDbHelper.MOBILENUMBER+" = ?",whereArgs );
        return true;
    }

    public String getAmount(String mobilenumber)
    {
        SQLiteDatabase db = myhelper.getWritableDatabase();
        String[] columns = {myDbHelper.AMOUNT};
        String[] whereArgs= {mobilenumber};
        Cursor cursor
=db.query(maindb.myDbHelper.TABLE_NAME,columns,myhelper.MOBILENUMBER+
" = ? " , whereArgs ,null,null,null,null);
```

```java
        StringBuffer buffer= new StringBuffer();
        String oldamount = "";
        while (cursor.moveToNext())
        {
            oldamount =
cursor.getString(cursor.getColumnIndex(myDbHelper.AMOUNT));
        }
        return oldamount;
    }

    public ArrayList<String> getDetails(String mobilenumber)
    {
        SQLiteDatabase db = myhelper.getWritableDatabase();
        String[] columns =
{myDbHelper.AMOUNT,myDbHelper.TRANSACTION_TIME,myDbHelper.TRANSACTION
_DATE};
        String[] whereArgs= {mobilenumber};
        Cursor cursor
=db.query(maindb.myDbHelper.TABLE_NAME,columns,myhelper.MOBILENUMBER+
" = ? " , whereArgs,null,null,null,null);
        StringBuffer buffer= new StringBuffer();
        ArrayList<String> datalist = new ArrayList<String>();
        while (cursor.moveToNext())
        {
            String amount =
cursor.getString(cursor.getColumnIndex(myDbHelper.AMOUNT));
            datalist.add(amount);
            String date =
cursor.getString(cursor.getColumnIndex(myDbHelper.TRANSACTION_DATE));
            datalist.add(date);
            String time =
cursor.getString(cursor.getColumnIndex(myDbHelper.TRANSACTION_TIME));
            datalist.add(time);
        }
        return datalist;
    }


    static class myDbHelper extends SQLiteOpenHelper {
        private static final String DATABASE_NAME =
"ProjectDatabase";    // Database Name
        private static final String TABLE_NAME = "maindb";   // Table
Name
        private static final int DATABASE_Version = 1;    // Database
Version
        private static final String UID = "_id";     // Column I
(Primary Key)
        private static final String MOBILENUMBER = "MobileNumber";
//Column III
        private static final String CARDNUMBER = "CardNumber";
```

```java
//Column II
        private static final String CVV = "CVV";     //Column II
        private static final String EXPIRY = "Expiry";     // Column
III
        private static final String AMOUNT = "Amount";     // Column
        private static final String TRANSACTION_TIME =
"Transaction_time";     // Column III
        private static final String TRANSACTION_DATE =
"Transaction_date";     // Column III
        private static final String CREATE_TABLE = "CREATE TABLE " +
TABLE_NAME +
                " (" + UID + " INTEGER PRIMARY KEY AUTOINCREMENT, " +
MOBILENUMBER + " VARCHAR(255) ," + CARDNUMBER + " VARCHAR(255)," +
CVV + " VARCHAR(255)," + EXPIRY + " VARCHAR(225)," + AMOUNT + "
VARCHAR(255)," + TRANSACTION_DATE + " VARCHAR(225) , " +
TRANSACTION_TIME + " VARCHAR(225))";
        private static final String DROP_TABLE = "DROP TABLE IF
EXISTS " + TABLE_NAME;
        private Context context;

        public myDbHelper(Context context) {
            super(context, DATABASE_NAME, null, DATABASE_Version);
            this.context = context;
        }

        @Override
        public void onCreate(SQLiteDatabase db) {
            try {
                db.execSQL(CREATE_TABLE);
            } catch (Exception e) {
                message.message(context, "" + e);
            }
        }

        @Override
        public void onUpgrade(SQLiteDatabase db, int oldVersion, int
newVersion) {
            try {
                message.message(context, "OnUpgrade");
                db.execSQL(DROP_TABLE);
                onCreate(db);
            } catch (Exception e) {
                message.message(context, "" + e);
            }
        }
    }
}
```

Signup.db

```java
package com.example.microproject;
import android.content.ContentValues;
import android.content.Context;
import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
import android.util.Log;


public class signupdb {
    myDbHelper myhelper;
    public signupdb(Context context)
    {
        myhelper = new myDbHelper(context);
    }
    public long insertData(String name,String mobile,String usern,
String pass)
    {
        SQLiteDatabase dbb = myhelper.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put(myDbHelper.NAME, name);
        contentValues.put(myDbHelper.MOBILENUMBER, mobile);
        contentValues.put(myDbHelper.USERNAME, usern);
        contentValues.put(myDbHelper.PASSWORD, pass);
        long id = dbb.insert(myDbHelper.TABLE_NAME, null ,
contentValues);
        return id;
    }


    public Boolean getData(String usern,String pass)
    {
        SQLiteDatabase db = myhelper.getWritableDatabase();
        String[] columns =
{myDbHelper.UID,myDbHelper.NAME,myDbHelper.MOBILENUMBER,myDbHelper.US
ERNAME,myDbHelper.PASSWORD};
        Cursor cursor = db.rawQuery("select * from signupd where
UserName = ? and Password = ?",new String[]{usern,pass});
        if (cursor.getCount() > 0)
        {
            return true;
        }else
```

```java
                    {
                        return false;
                    }
                }




    static class myDbHelper extends SQLiteOpenHelper
    {
        private static final String DATABASE_NAME = "signupdetails";
// Database Name
        private static final String TABLE_NAME = "signupd";    //
Table Name
        private static final int DATABASE_Version = 1;     // Database
Version
        private static final String UID="_id";      // Column I
(Primary Key)
        private static final String NAME = "Name";     //Column II
        private static final String MOBILENUMBER = "MobileNumber";
//Column III
        private static final String USERNAME = "UserName";
//Column II
        private static final String PASSWORD= "Password";     //
Column III
        private static final String CREATE_TABLE = "CREATE TABLE
"+TABLE_NAME+
                " ("+UID+" INTEGER PRIMARY KEY AUTOINCREMENT,
"+NAME+" VARCHAR(255) ,"+MOBILENUMBER+" VARCHAR(255),"+USERNAME+"
VARCHAR(255),"+ PASSWORD+" VARCHAR(225));";
        private static final String DROP_TABLE ="DROP TABLE IF EXISTS
"+TABLE_NAME;
        private Context context;

        public myDbHelper(Context context) {
            super(context, DATABASE_NAME, null, DATABASE_Version);
            this.context=context;
        }

        public void onCreate(SQLiteDatabase db) {

            try {
                db.execSQL(CREATE_TABLE);
            } catch (Exception e) {
                message.message(context,""+e);
            }
        }

        @Override
        public void onUpgrade(SQLiteDatabase db, int oldVersion, int
```
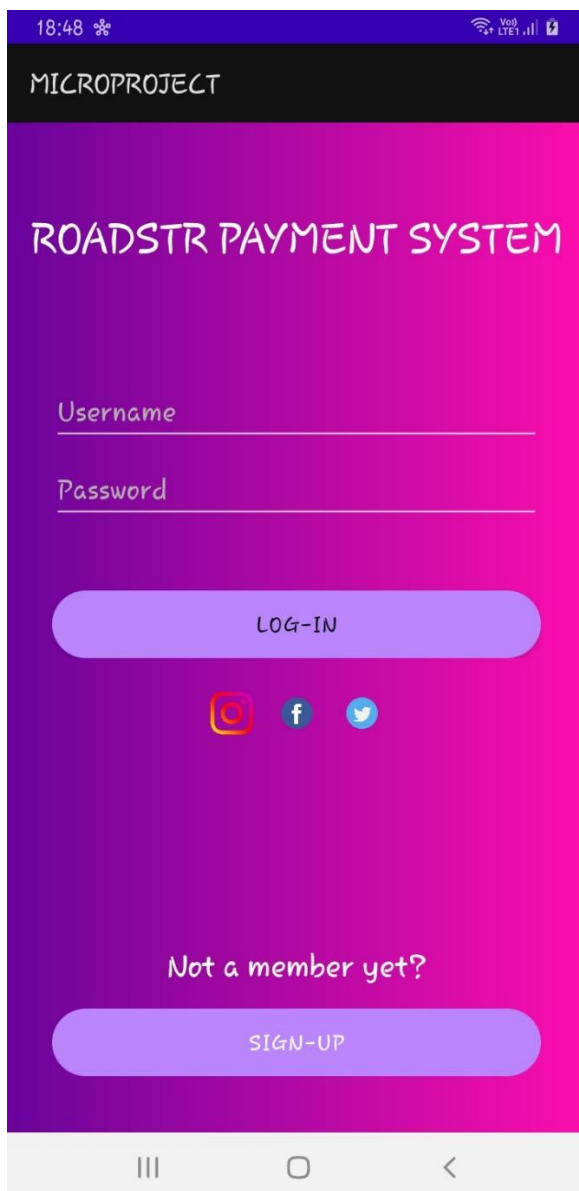
```
newVersion) {
        try {
            message.message(context,"OnUpgrade");
            db.execSQL(DROP_TABLE);
            onCreate(db);
        }catch (Exception e) {
            message.message(context,""+e);
        }
    }
  }
}
```

OUTPUTS :

ROADSTR PAYMENT SYSTEM

Name

Mobile Number

Username

Password

SIGN-UP

Already a Member?

LOG-IN

dashboard

ROADSTR PAYMENT SYSTEM

ADD MONEY

RECHARGE

CHECK BALANCE

LOG - OUT

Login Successfull

module1

ADD MONNEY TO WALLET

MobileNumber

Card-Number

Card CVV

Card Expiry Date

Amount

ADD MONEY

RECHARGE HERE

Transaction Date : Auto – generated

Transaction Date : Auto – generated

Mobile Number

Service Provider

Amount

○ PrePaid   ○ PostPaid

RECHARGE

module3

CHECK BALANCE

9511652981

CHECK BALANCE

MOBILE NUMBER : 9511652981

AMOUNT IN WALLET: 47000

LAST TRANSACTION DATE :
2021.05.28

LAST TRANSACTION TIME : 18:07:00

6.0   Skill Developed/learning out of this Micro-Project :

- Learnt to use android studio to build Android Applications.
- Learnt to use sqlite3 database with android applications.
- Learnt to use android components to build rich UI.

Micro-Project Evaluation Sheet

Roll No.	Student Name	Enrollment Number	Process Assessment		Product Assessment		Total Marks (10)
			Part AProject Proposal (2)	Project Methodology (2)	Part BProject report/ Working model(2)	Individual Presentation/Viva (4)	
37	Prasad Labade	1801480270					

Comments/Suggestion about teamwork/Leadership/interpersonal communication (if any):

Any other comments:

Name of the Faculty Member   Signature
Prof.Mrs.H.S.Ohal