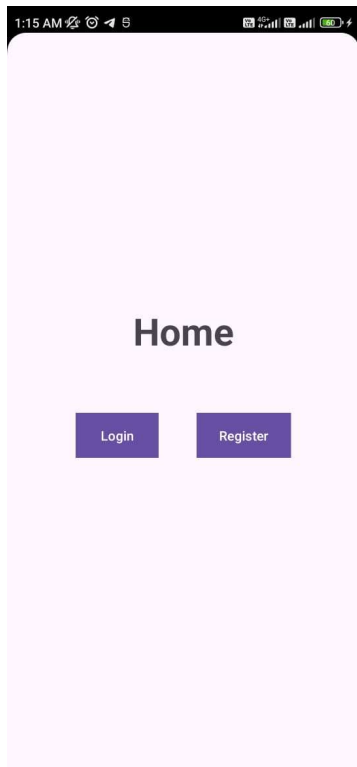

Experiment 3

Title: Designing UI for Sign in and Sign up screen.

Aim: Android UI design involves the use of prebuilt Android UI components, such as structured layout objects and UI controls, to build the graphical user interface for our applications.

Activity_Main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    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:id="@+id/main"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    android:gravity="center"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Home"
        android:textSize="40sp"
        android:textStyle="bold"
        android:layout_marginBottom="20dp" />
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="20dp">
        <Button
            android:id="@+id/toLogin"
            android:layout_margin="20dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Login"
            android:background="#B71C1C"
            android:textColor="#FFFFFF" />
        <Button
            android:id="@+id/toRegister"
            android:layout_margin="20dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Register"
            android:background="#B71C1C"
            android:textColor="#FFFFFF" />
    </LinearLayout> <!-- This line was missing -->
</LinearLayout>
```



registration.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".RegistrationActivity"
    android:orientation="vertical">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="10dp"
        android:text="Student Registration"
        android:textColor="@color/black"
        android:textSize="20dp"
        android:textStyle="bold"
        android:padding="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <View
        android:layout_width="400dp"
        android:layout_height="1dp"
        android:background="#ACA1A1"
        android:layout_gravity="center"
        android:layout_marginTop="2dp"/>
    <LinearLayout
        android:padding="5dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:layout_marginTop="5dp">
        <TextView
            android:padding="5dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Name:"
            android:textSize="20dp"
            android:layout_marginLeft="5dp"/>
```

```
<EditText
    android:padding="5dp"
    android:id="@+id/userName"
    android:layout_width="300dp"
    android:layout_height="42dp"
    android:layout_marginLeft="49dp"
    android:background="#5676"
    android:hint="Enter Username.."
    android:textSize="20dp"
    tools:ignore="TouchTargetSizeCheck,TouchTargetSizeCheck"/>
</LinearLayout>
<LinearLayout
    android:padding="5dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:layout_marginTop="5dp">
    <TextView
        android:padding="5dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Password:"
        android:textSize="20dp"
        android:layout_marginLeft="5dp" />
    <EditText
        android:padding="5dp"
        android:id="@+id/userPassword"
        android:layout_width="300dp"
        android:layout_height="40dp"
        android:layout_marginLeft="13dp"
        android:autofillHints=""
        android:background="#5676"
        android:hint="Enter Password.."
        android:inputType="textPassword"
        android:textSize="20sp"
        tools:ignore="TouchTargetSizeCheck" />
</LinearLayout>
<LinearLayout
    android:padding="5dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:layout_marginTop="5dp">
    <TextView
```

```
android:padding="5dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Mob No:"
    android:textSize="20dp"
    android:layout_marginLeft="5dp" />
<EditText
    android:padding="5dp"
    android:id="@+id/userContact"
    android:layout_width="300dp"
    android:layout_height="40dp"
    android:layout_marginLeft="32dp"
    android:background="#5676"
    android:hint="Enter Contact No.."
    android:inputType="number"
    android:textSize="20dp"
    tools:ignore="TouchTargetSizeCheck" />
</LinearLayout>
<RadioGroup
    android:padding="5dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <TextView
        android:padding="5dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Gender"
        android:textSize="20dp"
        android:layout_marginRight="35dp"
        android:layout_marginLeft="5dp"/>
    <RadioButton
        android:id="@+id/Male"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Male"
        android:gravity="center"
        android:textSize="20dp"/>
    <RadioButton
        android:id="@+id/Female"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Female"
        android:gravity="center"
```

```
        android:textSize="20dp"/>
    </RadioGroup>
    <RadioGroup
        android:padding="5dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <TextView
            android:padding="5dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="20dp"
            android:text="Skills"
            android:layout_marginRight="53dp"
            android:layout_marginLeft="5dp"/>
        <CheckBox
            android:id="@+id/Java"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Java"
            android:textSize="20dp"/>
        <CheckBox
            android:id="@+id/Python"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Python"
            android:textSize="20dp"/>
        <CheckBox
            android:id="@+id/cpp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="C++"
            android:textSize="20dp"/>
    </RadioGroup>
    <LinearLayout
        android:padding="5dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <TextView
            android:padding="5dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="State:"
```

```

android:textSize="20dp"
        android:layout_marginLeft="5dp" />
    <Spinner
        android:id="@+id/stateSpinner"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="20dp"
        android:textSize="20dp"
        tools:ignore="TouchTargetSizeCheck" />
    </LinearLayout>
<Button
    android:id="@+id/btnSubmit"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Click To Submit"
    android:textColor="#F5FBF6"
    android:background="#B71C1C"
    android:layout_marginTop="10dp"/>
</LinearLayout>

```

Student Registration

Name: Asif

Password:

Mob No: 9798425043

Gender: ☒ Male ☐ Female

Skills: ☒ Java ☐ Python ☐ C++

State: Bihar

Click To Submit

Login

Username

Password

Login

Asif your form is submitted successfully

Login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="match_parent"
android:id="@+id/main"
android:layout_height="match_parent"
android:orientation="vertical"
android:padding="16dp"
android:gravity="center">
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Login"
    android:textSize="24sp"
    android:textStyle="bold"
    android:layout_marginBottom="20dp" />
<EditText
    android:id="@+id/etUsername"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="10dp"
    android:hint="Username"
    android:inputType="text"
    android:minHeight="48dp"
    android:padding="10dp" />
<EditText
    android:id="@+id/etPassword"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="20dp"
    android:hint="Password"
    android:inputType="textPassword"
    android:minHeight="48dp"
    android:padding="10dp" />
<Button
    android:id="@+id/btnLogin"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Login"
    android:background="#B71C1C"
    android:textColor="#FFFFFF" />
</LinearLayout>
```