Name: Sanket Bhikoba Deshmane

Roll No : 332012 GR No : 21810492

Subject: Mobile Application Devalopment

## **Assignment 3**

**Aim :** Create application for demonstration of android activity life cycle 2 Create Registration page to demonstration of Basic widgets available in android.

#### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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:paddingLeft="30dp"
    android:paddingRight="30dp"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout centerHorizontal="true"
        android:text="REGISTRATION"
        android:id="@+id/registration"
        android:fontFamily="serif"
        android:textSize="35dp"
        android:layout marginTop="10dp"
        android:textColor="#0A86F3"></TextView>
    <ImageView</pre>
        android:layout_width="100dp"
        android:layout_height="100dp"
        android:layout_centerHorizontal="true"
        android:layout marginTop="10dp"
        android:layout_below="@+id/registration"
        android:id="@+id/image1"
        android:src="@drawable/ic_baseline_account_box_24"
        ></ImageView>
    <EditText
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout marginTop="20dp"
        android:drawableLeft="@drawable/ic_baseline_add_circle_outline_24"
```

```
android:hint="First Name"
    android:layout_below="@+id/image1"
    android:drawablePadding="20dp"
    android:id="@+id/fname"
    android:singleLine="true"></EditText>
<EditText
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout_below="@+id/fname"
    android:layout_marginTop="20dp"
    android:hint="Last Name"
    android:drawablePadding="20dp"
    android:id="@+id/lname"
    android:drawableLeft="@drawable/ic_baseline_add_circle_outline_24"
    android:singleLine="true"></EditText>
<EditText
    android:layout width="match parent"
    android:layout_height="wrap_content"
    android:layout below="@+id/lname"
    android:layout marginTop="20dp"
    android:hint="Mobile No"
    android:drawablePadding="20dp"
    android:id="@+id/mobile"
    android:drawableLeft="@drawable/ic baseline add ic call 24"
    android:singleLine="true"></EditText>
<EditText
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout below="@+id/mobile"
    android:layout_marginTop="20dp"
    android:hint="Email Adress"
    android:drawablePadding="20dp"
    android:id="@+id/email"
    android:drawableLeft="@drawable/ic baseline mail outline 24"
    android:singleLine="true"></EditText>
<EditText
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout below="@+id/mobile"
    android:layout marginTop="20dp"
    android:hint="Email Adress"
    android:drawablePadding="20dp"
    android:id="@+id/email"
    android:drawableLeft="@drawable/ic baseline mail outline 24"
    android:singleLine="true"></EditText>
<EditText
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout below="@+id/email"
    android:layout marginTop="20dp"
    android:hint="Username"
    android:drawablePadding="20dp"
    android:id="@+id/user"
    android:drawableLeft="@drawable/ic baseline supervised user circle 24"
    android:singleLine="true"></EditText>
```

```
<EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/user"
        android:layout_marginTop="20dp"
        android:hint="Password"
        android:drawablePadding="20dp"
        android:id="@+id/pwd"
        android:drawableLeft="@drawable/ic_baseline_check_box_24"
        android:singleLine="true"></EditText>
    <Button
        android:layout_width="100dp"
        android:textColor="#FFF"
        android:layout_marginTop="20dp"
        android:layout_centerHorizontal="true"
        android:layout height="wrap content"
        android:layout_below="@+id/pwd"
        android:text="SUBMIT"
        android:background="#0C1E8F"
        android:id="@+id/reg"
        ></Button>
</RelativeLayout>
```

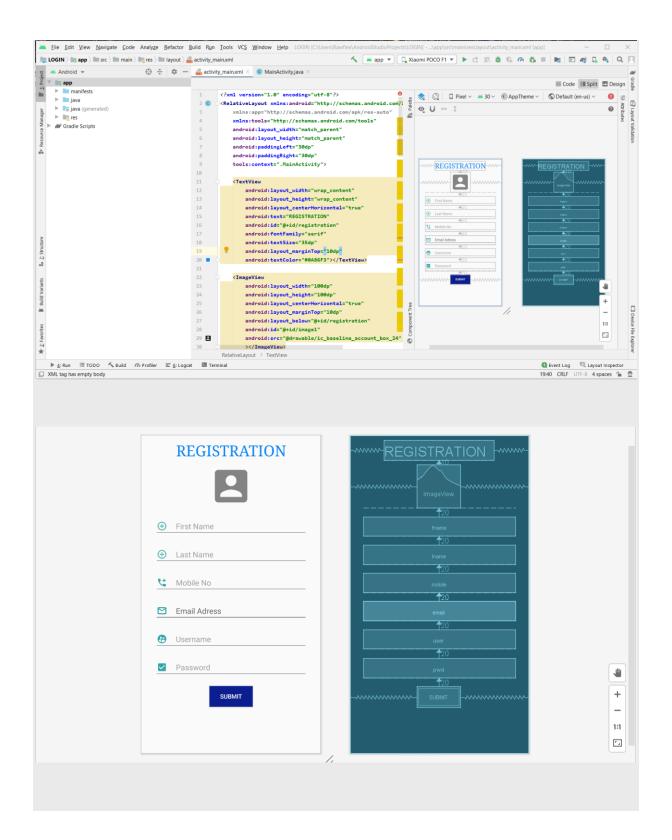
### main\_activity.java

```
package com.example.login;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    EditText f name;
    EditText 1_name;
    EditText mob;
    EditText email;
    EditText user;
    EditText password;
    Button reg;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Log.d("lifecycle","onCreate invoked");
        Toast.makeText(this, "Activity Created", Toast.LENGTH SHORT).show();
       f_name = (EditText) findViewById(R.id.fname);
```

```
1_name = (EditText) findViewById(R.id.lname);
       mob = (EditText) findViewById(R.id.mobile);
       email = (EditText) findViewById(R.id.email);
       user = (EditText) findViewById(R.id.user);
       password = (EditText) findViewById(R.id.pwd);
       reg = (Button) findViewById(R.id.reg);
        reg.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new
Intent(MainActivity.this, MainActivity.class);
                if (f_name.getText().toString().trim().length() == 0){
                    f_name.setError("Required!");
                }
                else {
                    if (l_name.getText().toString().trim().length() == 0){
                        1_name.setError("Required!");
                    }
                    else {
                        if (mob.getText().toString().trim().length() == 0){
                            mob.setError("Required!");
                        else {
                            if (email.getText().toString().trim().length() ==
0){
                                email.setError("Required!");
                            }
                            else {
                                 if (user.getText().toString().trim().length() ==
0){
                                     user.setError("Required!");
                                 }
                                 else {
(password.getText().toString().trim().length() == 0){
                                         password.setError("Required!");
                                     else {
Toast.makeText(MainActivity.this, "Registered
Successfully", Toast. LENGTH_LONG).show();
                                         startActivity(intent);
                                }
                            }
                        }
                    }
               }
           }
        });
    @Override
    protected void onStart() {
        super.onStart();
        Log.d("lifecycle", "onStart invoked");
```

```
Toast.makeText(this, "Activity Start", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onResume() {
        super.onResume();
        Log.d("lifecycle","onResume Invoked");
        Toast.makeText(this, "Activity Resume", Toast.LENGTH_SHORT).show();
    @Override
    protected void onPause() {
        super.onPause();
        Log.d("lifecycle","onPause Invoked");
        Toast.makeText(this, "Activity Paused", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onRestart() {
        super.onRestart();
        Log.d("lifecycle","onRestart Invoked");
        Toast.makeText(this, "Activity Restart", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onStop() {
        super.onStop();
        Log.d("lifecycle","onStop Invoked");
        Toast.makeText(this, "Activity Stop", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onDestroy() {
        super.onDestroy();
        Log.d("lifecycle","onDestroy Invoked");
        Toast.makeText(this, "Activity Destroyed", Toast.LENGTH_SHORT).show();
    }
}
```

#### **SCREENSHOTS**





## **REGISTRATION**



- SANKET
- **DESHMANE**
- sanket.21810492@viit.ac.in
- sanket.21810492@viit.ac.in
- sanket
- **123456**

SUBMIT

## LOGIN

# REGISTRATION



- + First Name
- Last Name
- Mobile No
- Username
- Password

Registered Successfully