

Program

Aim: Program to develop the android mobile application which consist of GUI components for Login Page creation.

XML Code:

```
<?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/primary_screen"
    tools:context=".LoginActivity">

    <ImageView
        android:id="@+id/avatar"
        android:layout_width="120dp"
        android:layout_height="120dp"
        android:layout_marginTop="10dp"
        android:contentDescription="@string/login_image"
        android:src="@drawable/avatar"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" /

    <TextView
        android:id="@+id/loginText"
        android:layout_width="wrap_content"
```

```

android:layout_height="wrap_content"
android:layout_marginTop="10dp"
android:text="@string/login"
android:textColor="@color/black"
android:textSize="30sp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.498"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/avatar" />

```

<RelativeLayout

```

android:id="@+id/loginLoginLayout"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginStart="5dp"
android:layout_marginEnd="5dp"
android:background="@drawable/account_creation"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="1.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/loginText"
app:layout_constraintVertical_bias="0.098">

```

<EditText

```

android:id="@+id/loginUsername"
android:layout_width="match_parent"
android:layout_height="40dp"
android:layout_marginTop="40dp"
android:autofillHints=""

```

```
android:layout_alignParentTop="true"
android:hint="@string/username"
android:layout_alignParentStart="true"
android:layout_alignParentEnd="true"
android:inputType="textEmailAddress"
android:padding="10dp"
android:layout_marginEnd="20dp"
android:layout_marginStart="20dp"
android:textColor="@color/white"
android:textColorHint="@color/white" />
```

<EditText

```
android:id="@+id/loginPassword"
android:layout_width="match_parent"
android:layout_height="40dp"
android:layout_below="@+id/loginUsername"
android:layout_alignParentStart="true"
android:layout_alignParentEnd="true"
android:layout_marginTop="20dp"
android:layout_marginEnd="20dp"
android:layout_marginStart="20dp"
android:hint="@string/password"
android:inputType="textPassword"
android:padding="10dp"
android:textColor="@color/white"
android:textColorHint="@color/white" />
```

<TextView

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

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:text="@string/forgot_password"
        android:clickable="true"
        android:textSize="20sp"
        android:layout_marginStart="30dp"
        android:layout_alignParentStart="true"
        android:layout_below="@+id/loginPassword"/>

```

```

<com.blure.complexview.ComplexView
    android:id="@+id/shadowLoginButton"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:radius="20dp"
    app:shadow="true"
    app:shadowAlpha="100"
    app:shadowColor="#2962FF"
    android:padding="10dp"
    android:layout_below="@+id/forgotPasswordText"
    android:layout_marginTop="30dp"
    app:shadowSpread="2">

```

```

<Button
    android:id="@+id/loginButton"
    android:layout_width="match_parent"
    android:layout_height="46dp"
    android:background="@drawable/password_reset_buttons"
    android:text="@string/sign_in" />

```

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

Java Code:

```
import androidx.annotation.NonNull;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;


import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

public class LoginActivity extends AppCompatActivity {

    EditText loginName, loginPwd;
    Button login;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        loginName = findViewById(R.id.loginUsername);
        loginPwd = findViewById(R.id.loginPassword);
        login = findViewById(R.id.loginButton);
        login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String uName, passwd;
```

```
        uName = loginName.getText().toString();
        passwd = loginPwd.getText().toString();
        Toast.makeText(LoginActivity.this"Welcome", Toast.LENGTH_SHORT).show(
    }
    });
}
}
```

Output: