

## Android Development

CA – 1

Project topic – Instagram Login page

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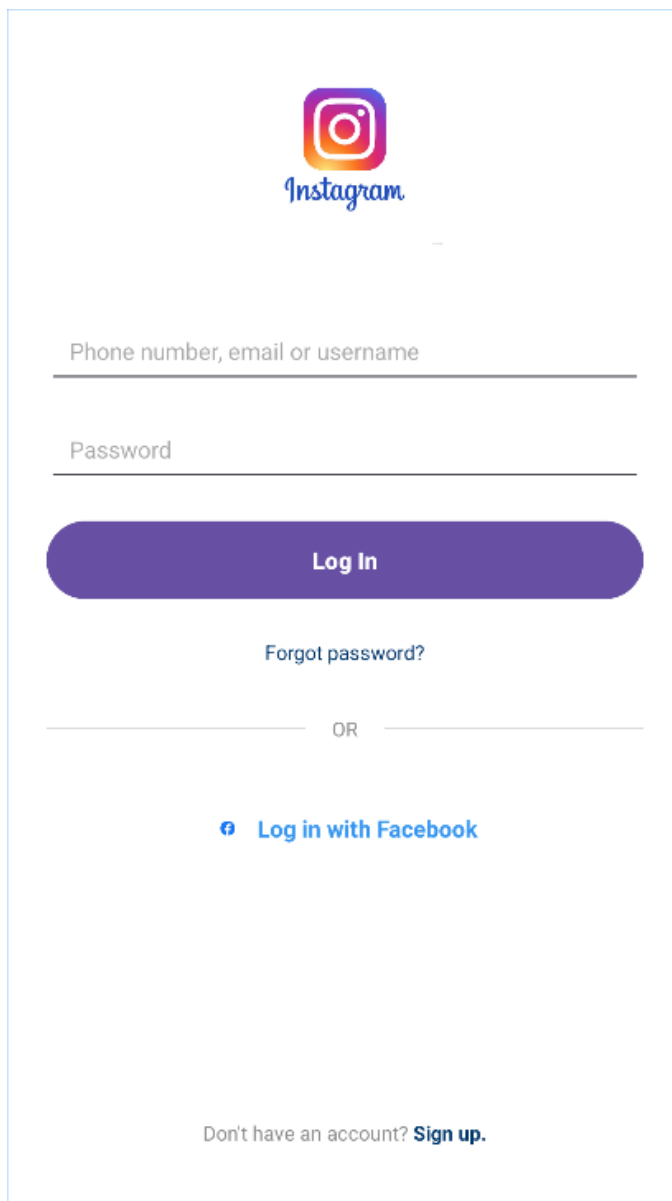
Registration number – 12326332

Roll number – 05

Section – KO007

GitHub repository link - <https://github.com/Nova-Gupta/InstagramLinearLayout>

The UI looks like this:



The image shows a mockup of an Instagram login page. At the top center is the Instagram logo, which consists of a camera icon with a rainbow gradient and the word "Instagram" in its signature script font below it. Below the logo is a horizontal line. Underneath the line is a text input field with the placeholder text "Phone number, email or username". Below this is another text input field with the placeholder text "Password". Below the password field is a large, rounded purple button with the text "Log In" in white. Below the button is a link that says "Forgot password?". Below this is a horizontal line with the text "OR" in the center. Below the line is a link that says "Log in with Facebook" with a small Facebook logo icon to the left. At the bottom of the page is a link that says "Don't have an account? Sign up.".

### This is the activity\_main.xml file code:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:background="#FFFFFF"
    android:padding="24dp"
    android:gravity="center">

    <ImageView
        android:layout_width="200dp"
        android:layout_height="120dp"
        android:src="@drawable/ic_instagram_logo"
        android:contentDescription="Instagram Logo"
        android:layout_marginBottom="40dp"/>

    <EditText
        android:id="@+id/etUsername"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Phone number, email or username"
        android:inputType="textEmailAddress"
        android:padding="14dp"
        android:textSize="14sp"
        android:layout_marginBottom="12dp"/>

    <EditText
        android:id="@+id/etPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Password"
        android:inputType="textPassword"
        android:padding="14dp"
        android:textSize="14sp"
        android:layout_marginBottom="16dp"/>

    <Button
        android:id="@+id/btnLogin"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Log In"
        android:textColor="#FFFFFF"
        android:textAllCaps="false"
        android:padding="14dp"
        android:textSize="14sp"
        android:textStyle="bold">
```

```
android:layout_marginBottom="20dp"/>
```

```
<TextView
```

```
    android:id="@+id/tvForgotPassword"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Forgot password?"
    android:textColor="#00376B"
    android:textSize="12sp"
    android:layout_marginBottom="30dp"/>
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:gravity="center"
    android:layout_marginBottom="30dp">
```

```
<View
```

```
    android:layout_width="0dp"
    android:layout_height="1dp"
    android:layout_weight="1"
    android:background="#DBDBDB"/>
```

```
<TextView
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="OR"
    android:textColor="#8E8E8E"
    android:textSize="12sp"
    android:paddingStart="16dp"
    android:paddingEnd="16dp"/>
```

```
<View
```

```
    android:layout_width="0dp"
    android:layout_height="1dp"
    android:layout_weight="1"
    android:background="#DBDBDB"/>
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:id="@+id/btnFacebookLogin"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:gravity="center"
    android:padding="12dp"
    android:layout_marginBottom="40dp">
```

```
<ImageView
    android:layout_width="20dp"
    android:layout_height="20dp"
    android:src="@drawable/ic_facebook"
    android:contentDescription="Facebook Icon"
    android:layout_marginEnd="8dp"/>
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Log in with Facebook"
    android:textColor="#3797F0"
    android:textSize="14sp"
    android:textStyle="bold"/>
```

```
</LinearLayout>
```

```
<View
    android:layout_width="match_parent"
    android:layout_height="0dp"
    android:layout_weight="1"/>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:gravity="center"
    android:paddingTop="16dp"
    android:paddingBottom="16dp"
    android:background="#FFFFFF">
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Don't have an account? "
    android:textColor="#8E8E8E"
    android:textSize="12sp"/>
```

```
<TextView
    android:id="@+id/tvSignUp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Sign up."
    android:textColor="#00376B"
    android:textSize="12sp"
    android:textStyle="bold"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

### This is the MainActivity.kt file code:

```
package com.example.instagramlinearlayout

import android.os.Bundle
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
import android.widget.Button
import android.widget.EditText
import android.widget.Toast

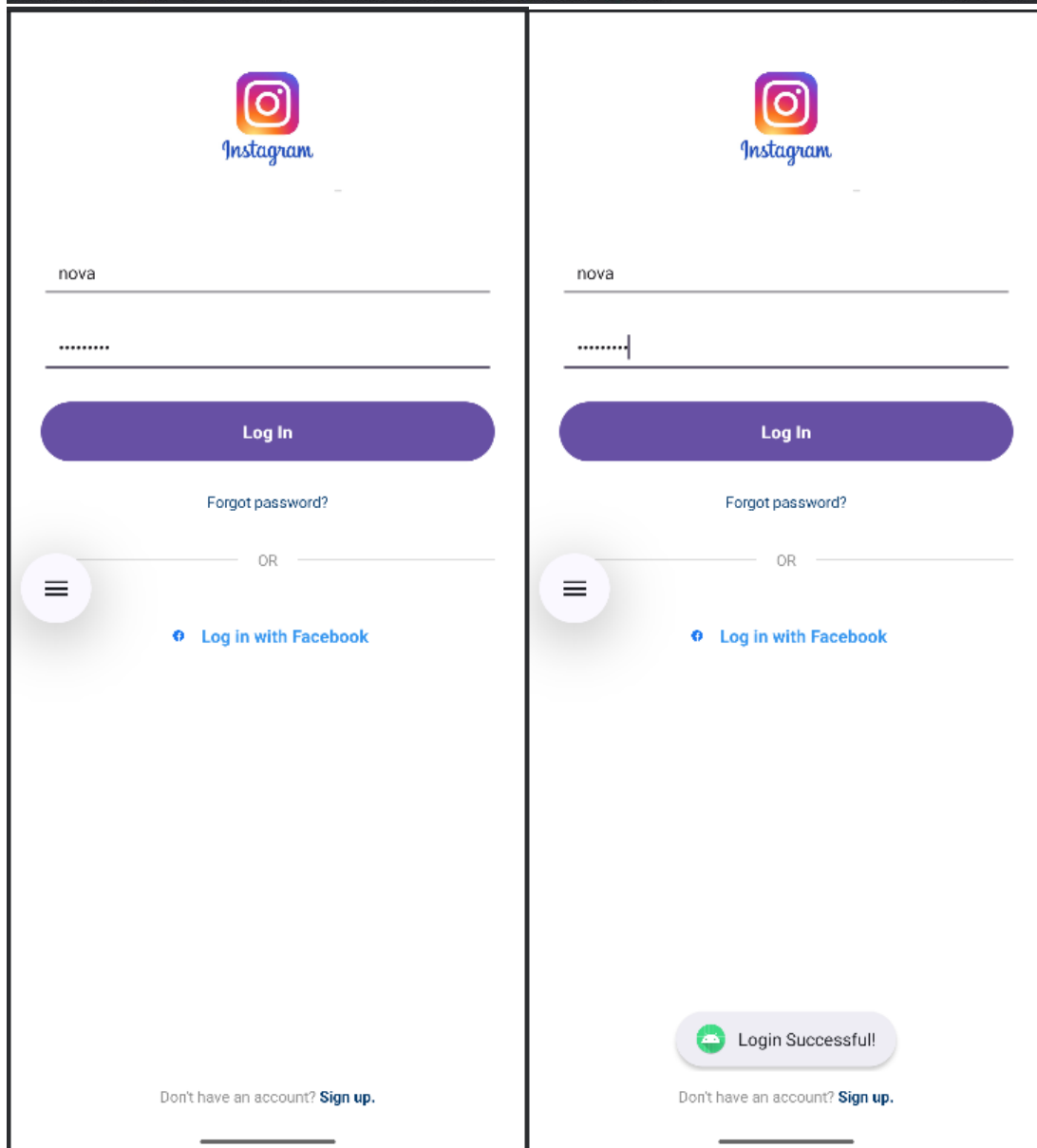
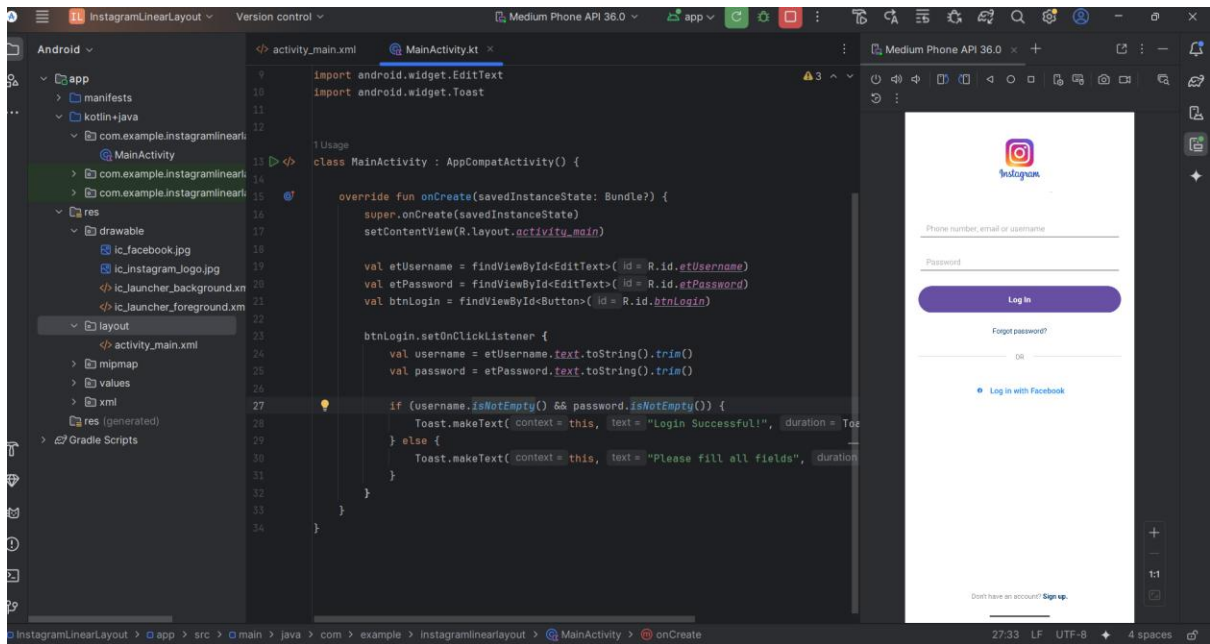
class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val etUsername = findViewById<EditText>(R.id.etUsername)
        val etPassword = findViewById<EditText>(R.id.etPassword)
        val btnLogin = findViewById<Button>(R.id.btnLogin)

        btnLogin.setOnClickListener {
            val username = etUsername.text.toString().trim()
            val password = etPassword.text.toString().trim()

            if (username.isNotEmpty() && password.isNotEmpty()) {
                Toast.makeText(this, "Login Successful!", Toast.LENGTH_LONG).show()
            } else {
                Toast.makeText(this, "Please fill all fields", Toast.LENGTH_SHORT).show()
            }
        }
    }
}
```





Phone number, email or username

Password

Log In

Forgot password?

OR



 Log in with Facebook



Please fill all fields

Don't have an account? [Sign up.](#)