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Assignment-1
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Simple Login Page

Activity_main.xml code:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <EditText
        android:id="@+id/et_username"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Username"
        android:layout_marginTop="16dp"
        android:layout_marginStart="16dp"
        android:layout_marginEnd="16dp" />
    <EditText
        android:id="@+id/et_password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Password"
        android:inputType="textPassword"
        android:layout_below="@id/et_username"
        android:layout_marginTop="16dp"
        android:layout_marginStart="16dp"
        android:layout_marginEnd="16dp" />
    <Button
        android:id="@+id/btn_login"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Login"
        android:layout_below="@id/et_password"
        android:layout_marginTop="16dp"
        android:layout_marginStart="16dp"
```

```
        android:layout_marginEnd="16dp" />
    </RelativeLayout>
```

MainActivity.kt Code:

```
package com.example.login_page
import android.content.Intent
import android.os.Bundle
import android.view.View
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        val etUsername = findViewById<EditText>(R.id.et_username)
        val etPassword = findViewById<EditText>(R.id.et_password)
        val btnLogin = findViewById<Button>(R.id.btn_login)
        btnLogin.setOnClickListener {
            val username = etUsername.text.toString()
            val password = etPassword.text.toString()
            // TODO: Verify the username and password
            if (username.isNotEmpty() && password.isNotEmpty()) {
                launchMainActivity()
            } else {
                Toast.makeText(this, "Please enter your username and password", Toast.LENGTH_SHORT).show()
            }
        }
    }
    private fun launchMainActivity() {
        val intent = Intent(this, MainActivity::class.java)
        startActivity(intent)
    }
}
```

Output:

