

## <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="#FFFFFF"
android:padding="20dp"
tools:context=".MainActivity">

    <com.google.android.material.textfield.TextInputLayout
        android:id="@+id/textInputLayout4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.25">

        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/ui_txb_1"
            android:layout_width="match_parent"
            android:layout_height="55dp"
            android:background="#EBE7F3"
            android:textColor="#171515" />
    </com.google.android.material.textfield.TextInputLayout>

    <TextView
        android:id="@+id/ui_username"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="7dp"
        android:fontFamily="sans-serif-light"
        android:letterSpacing="0.1"
        android:text="USERNAME"
        android:textColor="#7E7888"
        android:textSize="14sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/textInputLayout4"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/ui_header"
        app:layout_constraintVertical_bias="1.0" />

    <TextView
        android:id="@+id/ui_pass"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="7dp"
        android:fontFamily="sans-serif-light"
        android:letterSpacing="0.1"
```

```
    android:text="PASSWORD"
    android:textColor="#7E7888"
    android:textSize="14sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toTopOf="@+id/textInputLayout6"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textInputLayout4"
    app:layout_constraintVertical_bias="1.0" />
```

```
<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/textInputLayout6"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textInputLayout4"
    app:layout_constraintVertical_bias="0.120000005">
```

```
    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/ui_txb_2"
        android:layout_width="match_parent"
        android:layout_height="55dp"
        android:background="#EBE7F3"
        android:textColor="#171515" />
```

```
</com.google.android.material.textfield.TextInputLayout>
```

```
<TextView
    android:id="@+id/ui_header"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="35dp"
    android:fontFamily="sans-serif-medium"
    android:letterSpacing="0"
    android:shadowColor="#0461AC"
    android:text="ACCOUNT LOGIN"
    android:textColor="#297ABC"
    android:textColorHighlight="#0461AC"
    android:textSize="25sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toTopOf="@+id/textInputLayout4"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.02"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.77" />
```

```
<CheckBox
    android:id="@+id/ui_checkBox"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif"
    android:text="Remember Me"
    android:textColor="#626263"
```

```
android:textSize="13sp"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.0"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textInputLayout6"  
app:layout_constraintVertical_bias="0.01999998" />
```

<Button

```
android:id="@+id/ui_loginButton"  
android:layout_width="match_parent"  
android:layout_height="60dp"  
android:backgroundTint="#0461AC"  
android:fontFamily="sans-serif-black"  
android:text="LOG IN"  
android:textColor="#FFFFFF"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/ui_checkBox"  
app:layout_constraintVertical_bias="0.00999999" />
```

<TextView

```
android:id="@+id/ui_forgot"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="Forgot Password?"  
android:textColor="#0461AC"  
android:textSize="13sp"  
app:layout_constraintBottom_toTopOf="@+id/ui_loginButton"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.97"  
app:layout_constraintStart_toEndOf="@+id/ui_checkBox"  
app:layout_constraintTop_toBottomOf="@+id/textInputLayout6"  
app:layout_constraintVertical_bias="0.52" />
```

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

## <JAVA CODE>

```
package com.jofs.myapplication;

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.CheckBox;
import android.widget.Toast;

import com.google.android.material.textfield.TextInputEditText;

public class MainActivity extends AppCompatActivity {

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

        Button ui_loginButton = findViewById(R.id.ui_loginButton);
        TextInputEditText ui_txb_1 = findViewById(R.id.ui_txb_1);
        TextInputEditText ui_txb_2 = findViewById(R.id.ui_txb_2);
        //CheckBox ui_checkBox = findViewById(R.id.ui_checkBox);

        ui_loginButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Log.i("MainActivity", "log in button has been tapped.");
                if (ui_txb_1.getText().toString().isEmpty())
                    Toast.makeText(MainActivity.this, "Enter username!",
Toast.LENGTH_LONG).show();

                else if (ui_txb_2.getText().toString().isEmpty())
                    Toast.makeText(MainActivity.this, "Enter password!",
Toast.LENGTH_LONG).show();
                //else if(!ui_checkBox.isChecked())
                //Toast.makeText(MainActivity.this, "Agree to the
terms!", Toast.LENGTH_LONG).show();
                else{
                    Toast.makeText(MainActivity.this, "Account has been
accessed!", Toast.LENGTH_LONG).show();
                    //finish();
                    //startActivity(new Intent(MainActivity.this,
SecondActivity.class));
                }
            }
        });
    }
}
```