

### Androidmanifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
package="com.example.yoges05">
<application
android:allowBackup="true"
android:label="@string/app_name"
android:theme="@style/Theme.MyApp">
<activity android:name=".MainActivity"
android:exported="true"> <intent-filter>
<action android:name="android.intent.action.MAIN" />
<category android:name="android.intent.category.LAUNCHER" />
</intent-filter> </activity>
</application> </manifest>
```

### MainActivity.java

```
package com.example.yoges05;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.Gravity;
import android.view.LayoutInflater;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
private EditText usernameEditText;
private EditText idEditText;
private Button validateButton;
private static final String CORRECT_USERNAME = "Yoges";
private static final String CORRECT_PASSCODE = "1511";
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
usernameEditText = findViewById(R.id.username_edit_text);
idEditText = findViewById(R.id.id_edit_text);
validateButton = findViewById(R.id.validate_button);
validateButton.setOnClickListener(v -> validateInputs()); }
private void validateInputs() {
String username = usernameEditText.getText().toString().trim();
String passcode = idEditText.getText().toString().trim();
if (TextUtils.isEmpty(username) || TextUtils.isEmpty(passcode)) {
showToast(getString(R.string.empty_fields_error)); return; }
if (!username.equals(CORRECT_USERNAME)) {
showToast(getString(R.string.invalid_username_error)); return; }
if (!passcode.equals(CORRECT_PASSCODE)) {
showToast(getString(R.string.invalid_id_error)); return;}
showToast("Validation Successful!"); } private void showToast(String message) {
LayoutInflater inflater = getLayoutInflater();
View toastLayout = inflater.inflate(R.layout.custom_toast_layout, null);
TextView toastText = toastLayout.findViewById(R.id.toast_text);
toastText.setText(message);
Toast customToast = new Toast(getApplicationContext());
customToast.setView(toastLayout);
customToast.setDuration(Toast.LENGTH_SHORT);
customToast.setGravity(Gravity.CENTER_HORIZONTAL | Gravity.BOTTOM, 0, dpToPx(100));
customToast.show(); } private int dpToPx(int dp) {
float density = getResources().getDisplayMetrics().density;
return Math.round(dp * density); } }
```

## Activity\_Main.xml

```
<?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:padding="16dp"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/app_title"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/app_name"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@id/username_edit_text"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginBottom="16dp" />
    <com.google.android.material.textfield.TextInputLayout
        android:id="@+id/username_input_layout"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        app:layout_constraintTop_toBottomOf="@id/app_title"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginTop="16dp">
    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/username_edit_text"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="@string/username_hint"
        android:inputType="text" />
    </com.google.android.material.textfield.TextInputLayout>
    <com.google.android.material.textfield.TextInputLayout
        android:id="@+id/id_input_layout"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        app:layout_constraintTop_toBottomOf="@id/username_input_layout"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginTop="16dp">
    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/id_edit_text"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="@string/id_hint"
        android:inputType="number" />
    </com.google.android.material.textfield.TextInputLayout>
    <com.google.android.material.button.MaterialButton
        android:id="@+id/validate_button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/validate_button"
        app:layout_constraintTop_toBottomOf="@id/id_input_layout"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginTop="24dp"
        app:cornerRadius="8dp"
```

```

app:iconPadding="8dp"
app:iconTint="@color/color_on_primary"
app:backgroundTint="@color/color_primary"
app:icon="@drawable/ic_check_circle" />
<TextView
    android:id="@+id/footer_text"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="BY YOGESWARAN S"
    android:textSize="30sp"
    android:textColor="@android:color/black"
    android:fontFamily="cursive"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:layout_marginBottom="32dp"
    android:layout_marginEnd="16dp" />
</androidx.constraintlayout.widget.ConstraintLayout>

```



