

activity_main.xml:

```
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#FFDFB9"
    android:padding="16dp">
    <TextView
        android:id="@+id/appTitle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Validation App"
        android:textColor="#A4193D"
        android:textSize="24sp"
        android:textStyle="bold"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="24dp"/>
    <EditText
        android:id="@+id/usernameEditText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Username"
        android:textColor="#A4193D"
        android:layout_below="@id/appTitle"
        android:layout_marginBottom="16dp"
        android:inputType="textPersonName"
    <EditText
        android:id="@+id/idEditText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter ID"
        android:textColor="#A4193D"
        android:layout_below="@id/usernameEditText"
        android:layout_marginBottom="16dp"
        android:inputType="number"
        android:maxLength="4"
    <Button
        android:id="@+id/validateButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Validate"
        android:textColor="?attr/colorOnPrimary"
        android:layout_below="@id/idEditText"
        android:layout_centerHorizontal="true"/>
</RelativeLayout>
```

MainActivity.java:

```
package com.example.validationapp;
import android.os.Bundle;
import android.text.TextUtils;
import android.widget.Button;
```

```

import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    private EditText usernameEditText, idEditText;
    private Button validateButton;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        usernameEditText = findViewById(R.id.usernameEditText);
        idEditText = findViewById(R.id.idEditText);
        validateButton = findViewById(R.id.validateButton);
        validateButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) { validateFields();
            } });
    }private void validateFields() {
        String username = usernameEditText.getText().toString().trim();
        String id = idEditText.getText().toString().trim();
        if (TextUtils.isEmpty(username)) {
            Toast.makeText(this, "Username cannot be empty", Toast.LENGTH_SHORT).show(); return;
        } if (!username.matches("[a-zA-Z]+")) {
            Toast.makeText(this, "Username must contain only alphabets", Toast.LENGTH_SHORT).show();
            return;
        } if (TextUtils.isEmpty(id)) {
            Toast.makeText(this, "ID cannot be empty", Toast.LENGTH_SHORT).show(); return;
        } if (!id.matches("\\d{4}")) {
            Toast.makeText(this, "ID must be a 4-digit number", Toast.LENGTH_SHORT).show(); return;
        } Toast.makeText(this, "Validation Successful", Toast.LENGTH_SHORT).show();
    }
}

```

AndroidManifest.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <application
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:theme="@style/Theme.ValidationApp">
        <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>

```

