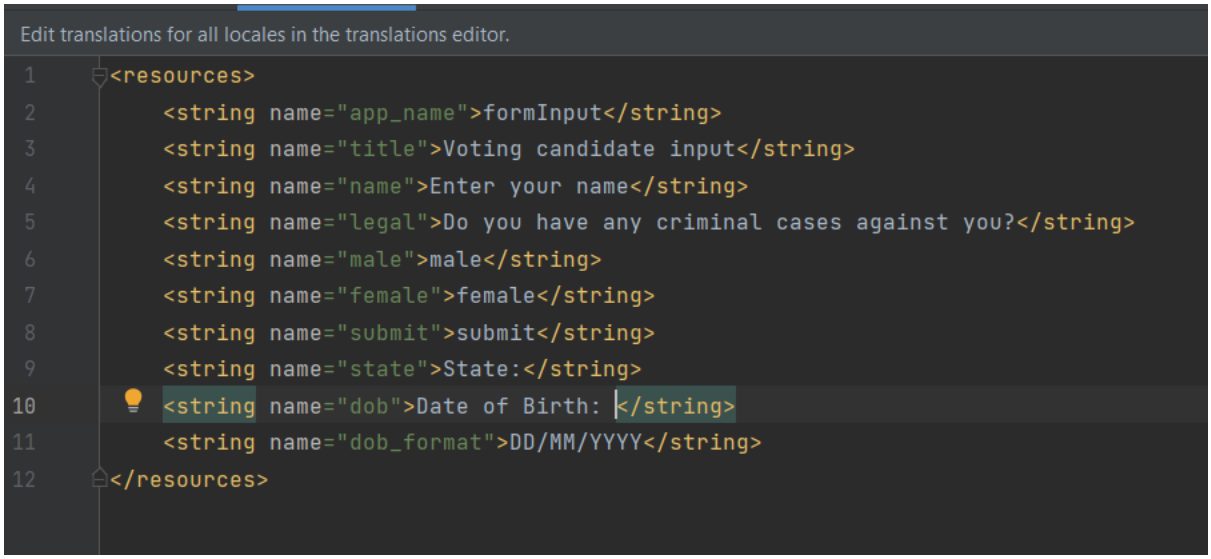
Application: An android application to showcase all form inputs.

Strings.xml:



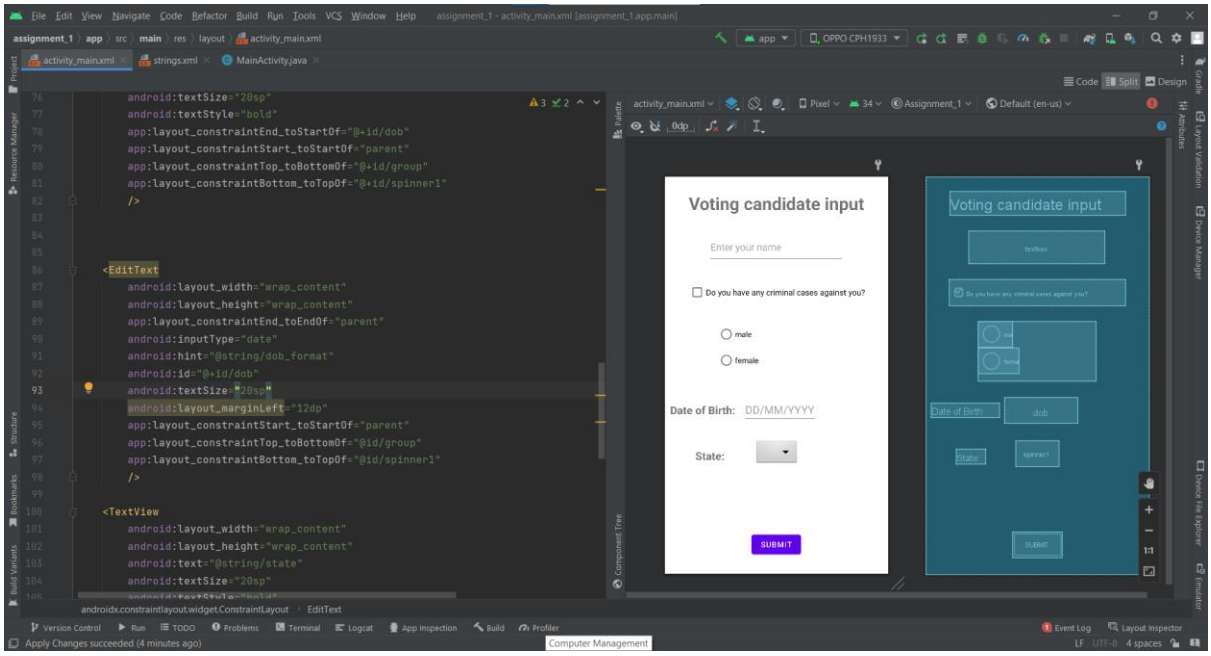
XML code:

```
<?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"
   tools:context=".MainActivity">

   <TextView
      android:id="@+id/title"
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:text="@string/title"
      android:textSize="32sp"
      android:textStyle="bold"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintHorizontal_bias="0.497"
      app:layout_constraintStart_toStartOf="parent"
      app:layout_constraintTop_toTopOf="parent"
      app:layout_constraintVertical_bias="0.04" />


   <EditText
      android:id="@+id/textbox"
```

```
    android:layout_width="250dp"
    android:layout_height="60dp"
    android:hint="@string/name"
    android:inputType="textPersonName"
    app:layout_constraintBottom_toTopOf="@+id/checkbox"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/title" />

  <CheckBox
    android:id="@+id/checkbox"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:checked="false"
    android:text="@string/legal"
    android:textSize="15sp"
    app:layout_constraintBottom_toTopOf="@+id/group"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textbox" />

  <RadioGroup
    android:id="@+id/group"
    android:layout_width="216dp"
    android:layout_height="109dp"
    app:layout_constraintBottom_toTopOf="@+id/spinner1"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/checkbox"
    android:layout_marginBottom="80dp">

    <RadioButton
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:text="@string/male" />

    <RadioButton
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:text="@string/female" />

  </RadioGroup>


  <TextView
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
    android:text="@string/dob"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toStartOf="@+id/dob"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/group"
    app:layout_constraintBottom_toTopOf="@+id/spinner1"
    />



<EditText
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintEnd_toEndOf="parent"
    android:inputType="date"
    android:hint="@string/dob_format"
    android:id="@+id/dob"
    android:textSize="20sp"
    android:layout_marginLeft="12dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/group"
    app:layout_constraintBottom_toTopOf="@id/spinner1"
    />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/state"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toStartOf="@+id/spinner1"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/group"
    app:layout_constraintBottom_toTopOf="@+id/btn"
    />

<Spinner
    android:id="@+id/spinner1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@android:drawable/btn_dropdown"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/dob"
    app:layout_constraintBottom_toTopOf="@+id/btn"
    android:spinnerMode="dropdown"
```

```
    android:layout_marginBottom="90dp"
    />

  <Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/submit"
    android:id="@+id/btn"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/spinner1"
    app:layout_constraintVertical_bias="0.378" />

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

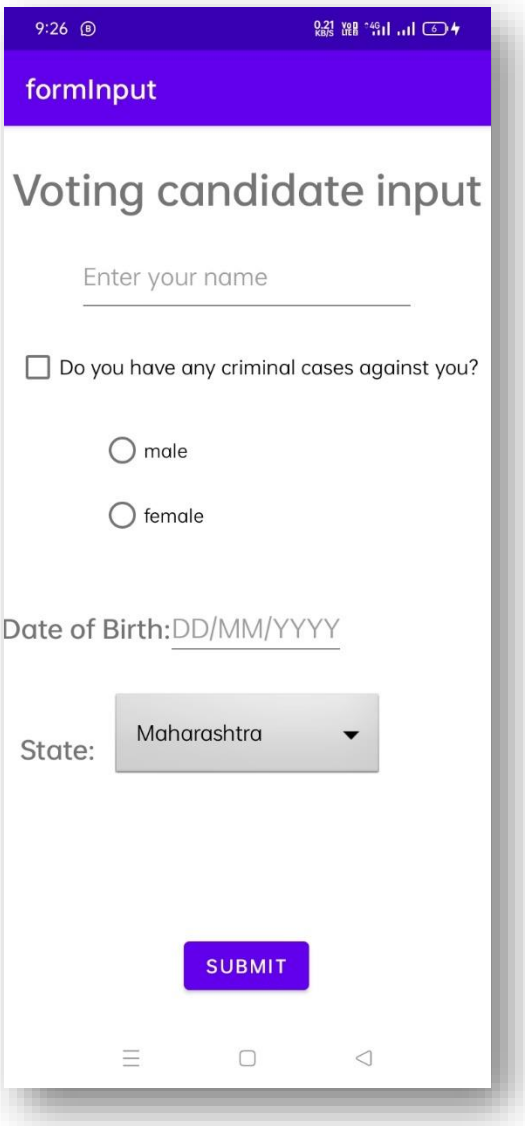


MainActivity.java:

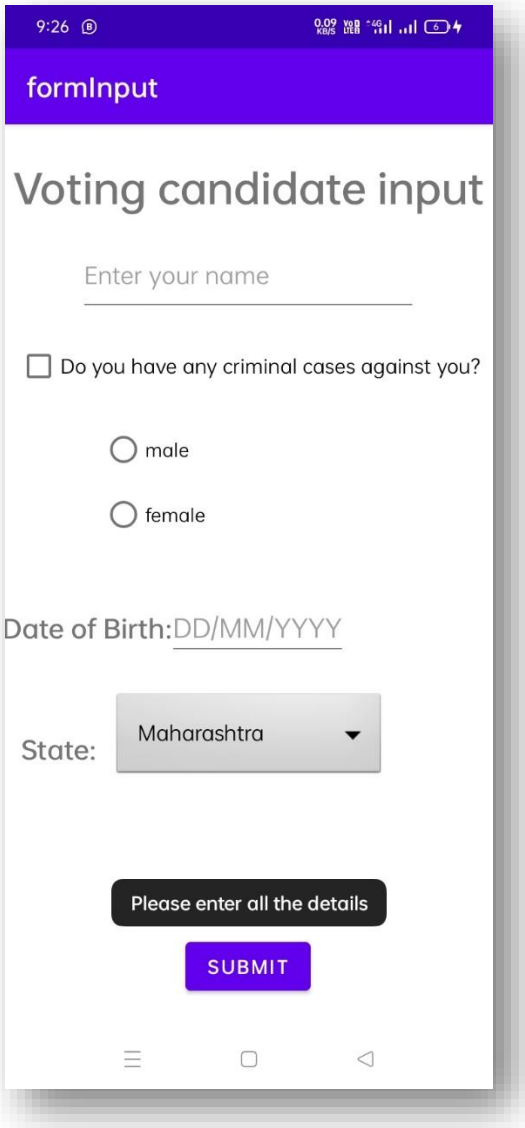
```
package com.mishraaniket.assignment_1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    EditText name, dob;
    Button btn;
    CheckBox isCriminal;


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

        Spinner dropdown = findViewById(R.id.spinner1);

        String[] items = new String[]{"Maharashtra", "Goa", "Karnataka", "Gujarat", "Madhya Pradesh"};

        ArrayAdapter<String> adapter = new ArrayAdapter<>(this,
android.R.layout.simple_spinner_dropdown_item, items);

        dropdown.setAdapter(adapter);

        name=(EditText) findViewById(R.id.textbox);
        dob=(EditText) findViewById(R.id.dob);
        btn=(Button) findViewById(R.id.btn);
        isCriminal=(CheckBox) findViewById(R.id.checkbox);

        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(name.getText().toString().isEmpty() || dob.getText().toString().isEmpty()){
                    Toast.makeText(MainActivity.this, "Please enter all the details",
```

```
Toast.LENGTH_SHORT).show();
            }else{
                if(isCriminal.isChecked()){
                    Toast.makeText(MainActivity.this, "You are not allowed to participate, Criminal!!!",
Toast.LENGTH_SHORT).show();
                }
                else if(Integer.parseInt(dob.getText().toString().substring(6))>2005){
                    Toast.makeText(MainActivity.this, "You are not eligible to participate as you're a
minor!!!", Toast.LENGTH_SHORT).show();
                }
                else{
                    Toast.makeText(MainActivity.this, "Your candidature has been registered",
Toast.LENGTH_SHORT).show();
                    name.setText("");
                    dob.setText("");

                }
            }
        }
    });

  }
}
```

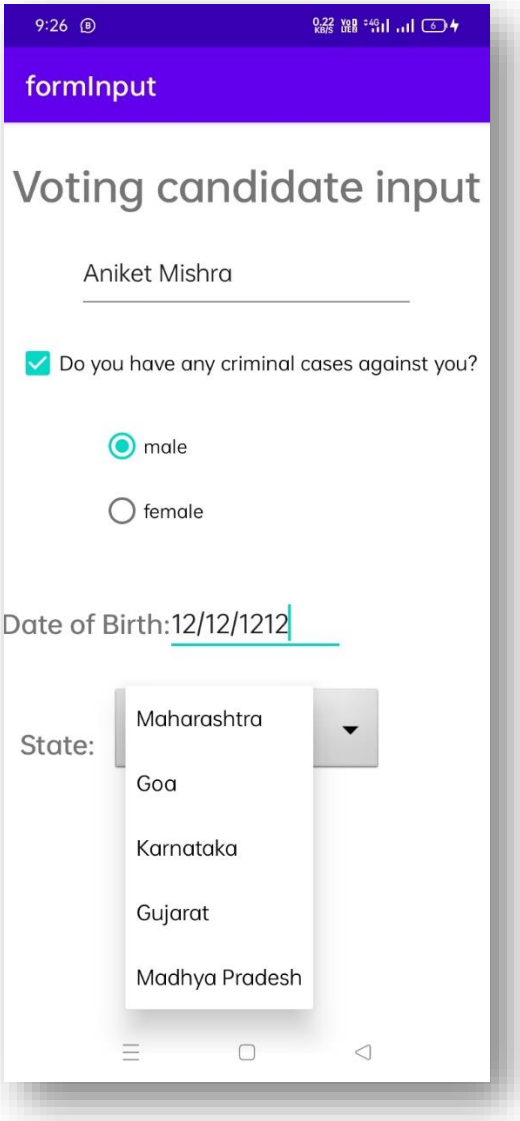
OUTPUT:



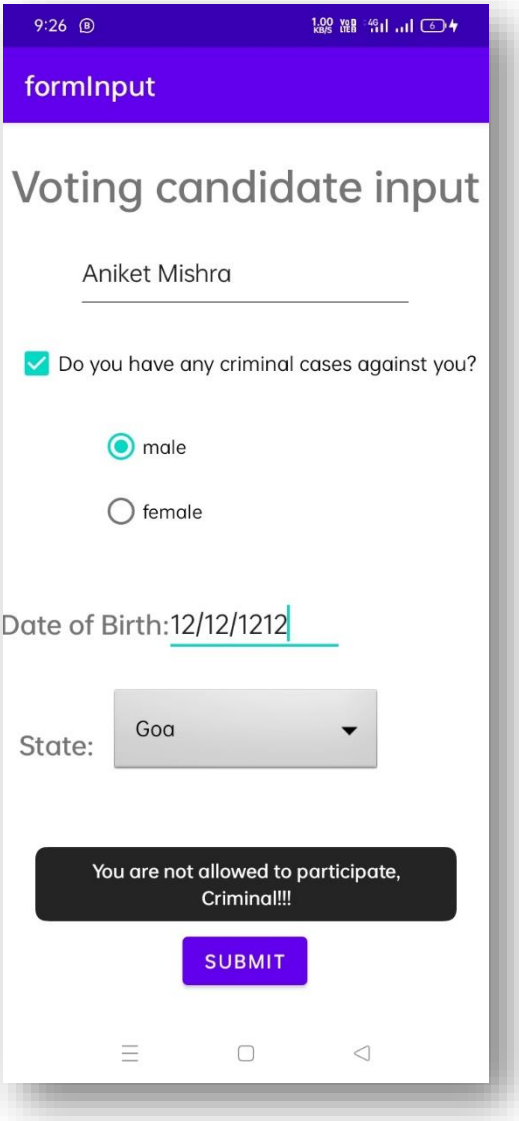
Normal screen



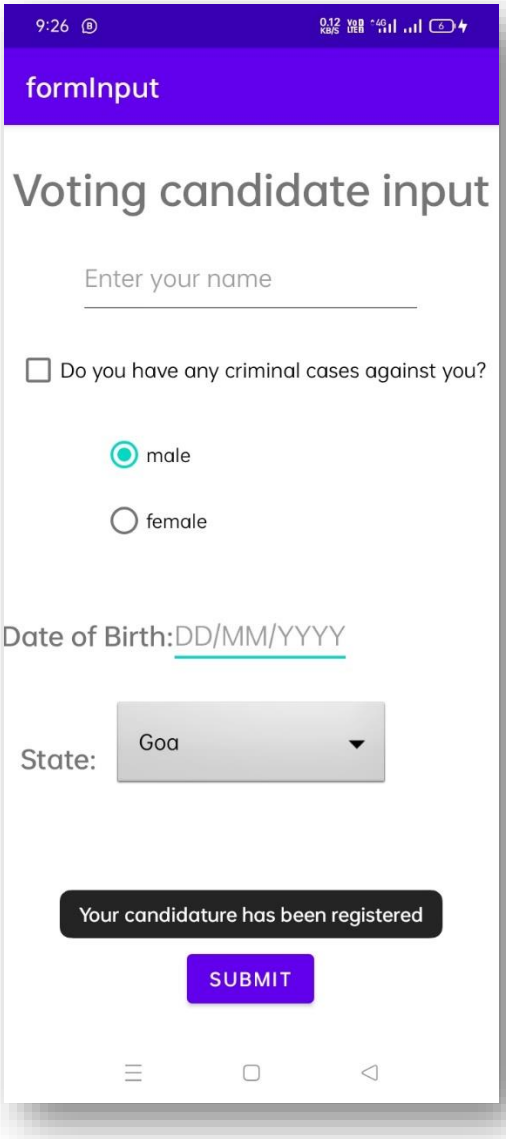
Input validation

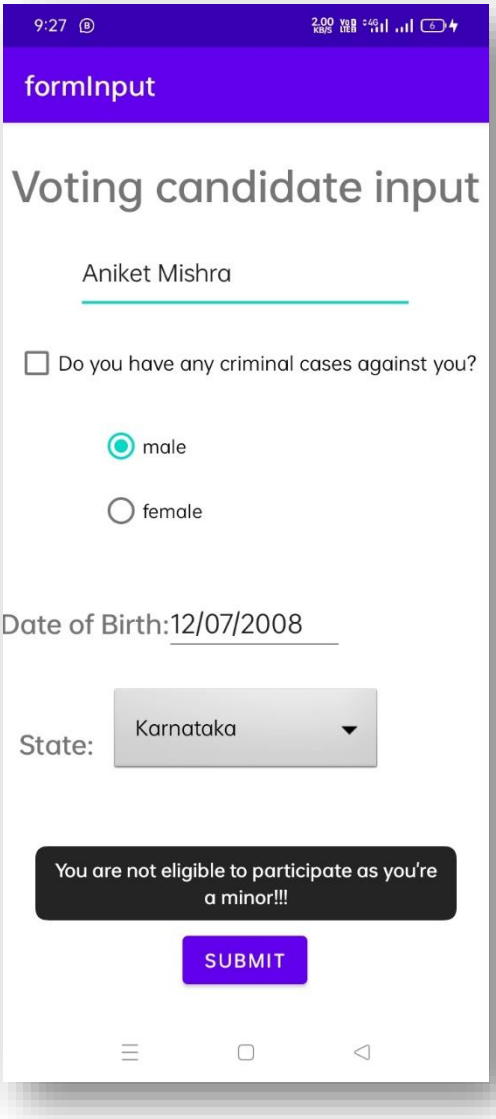


Giving input



case 1: criminal case


9:26
formInput
Voting candidate input
Enter your name
Do you have any criminal cases against you?
male
female
Date of Birth:DD/MM/YYYY
State:
Goa
Your candidature has been registered
SUBMIT


9:27
formInput
Voting candidate input
Aniket Mishra
Do you have any criminal cases against you?
male
female
Date of Birth:12/07/2008
State:
Karnataka
You are not eligible to participate as you're a minor!!!
SUBMIT