

**Application:** An android application to showcase all form inputs.

**Strings.xml:**

```
Edit translations for all locales in the translations editor.

1  <resources>
2      <string name="app_name">formInput</string>
3      <string name="title">Voting candidate input</string>
4      <string name="name">Enter your name</string>
5      <string name="legal">Do you have any criminal cases against you?</string>
6      <string name="male">male</string>
7      <string name="female">female</string>
8      <string name="submit">submit</string>
9      <string name="state">State:</string>
10     <string name="dob">Date of Birth: </string>
11     <string name="dob_format">DD/MM/YYYY</string>
12 </resources>
```

**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"
/>
```

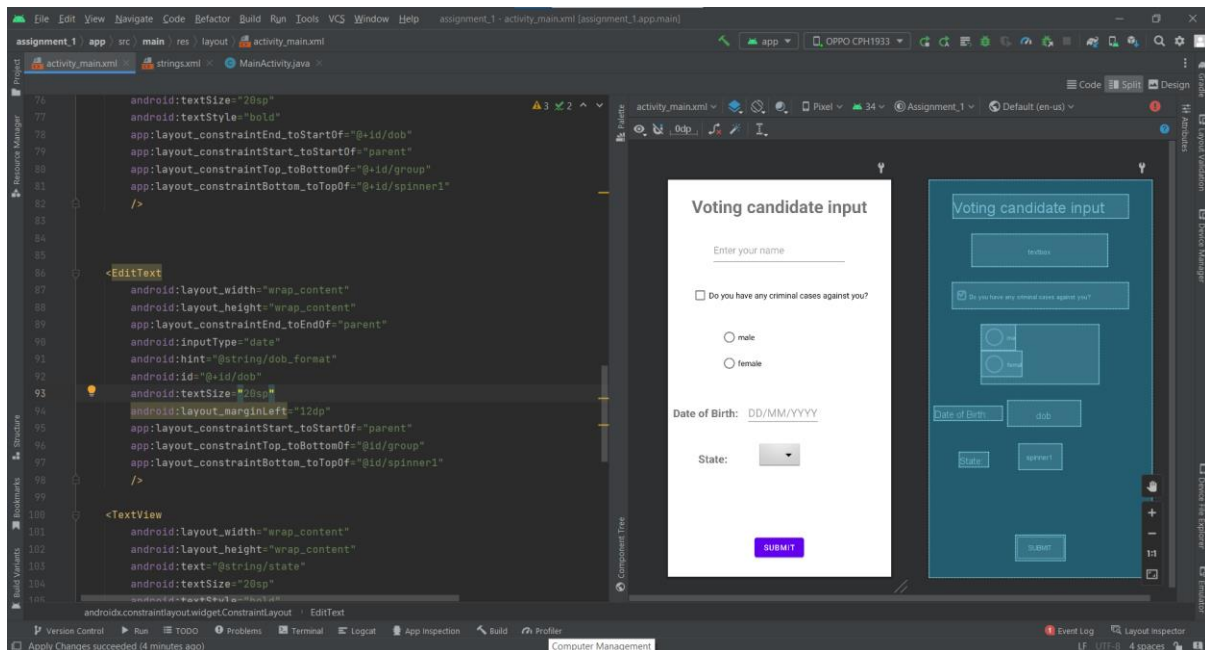
```
<Spinner
    android:id="@+id/spinner1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@android:drawable/btn_dropdown"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/dob"
    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.AdapterView;
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);

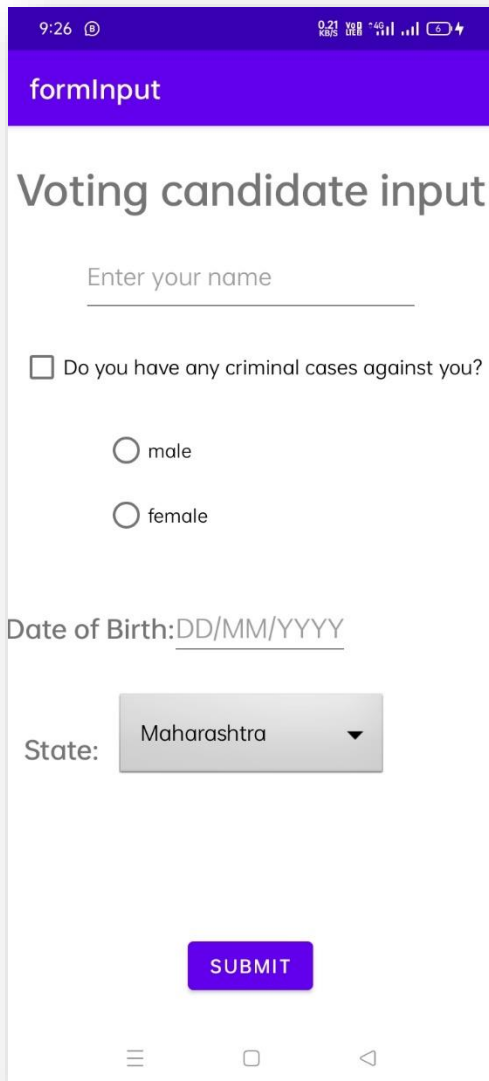
        name=(EditText) findViewById(R.id.textbox);
        dob=(EditText) findViewById(R.id.dob);
        btn=(Button) findViewById(R.id.btn);
        isCriminal=(CheckBox) findViewById(R.id.checkbox);

        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:



9:26 0.21 KB/s 4G

formInput

## Voting candidate input

Enter your name

☐ Do you have any criminal cases against you?

☐ male

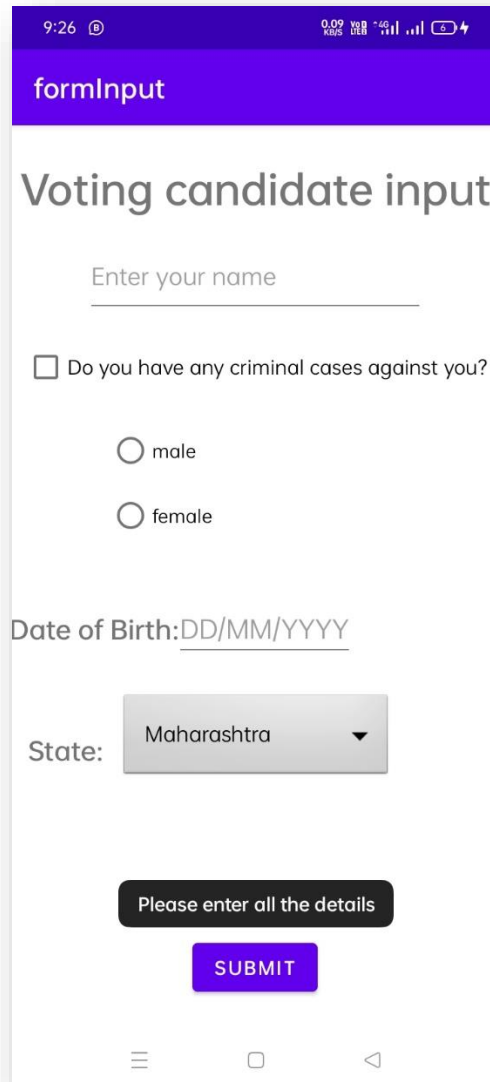
☐ female

Date of Birth: DD/MM/YYYY

State: Maharashtra

SUBMIT

Normal screen



9:26 0.02 KB/s 4G

formInput

## Voting candidate input

Enter your name

☐ Do you have any criminal cases against you?

☐ male

☐ female

Date of Birth: DD/MM/YYYY

State: Maharashtra

Please enter all the details

SUBMIT

Input validation

9:26 0.22 MB 4G

formInput

### Voting candidate input

Aniket Mishra

☒ Do you have any criminal cases against you?

☒ male

☐ female

Date of Birth: 12/12/1212

State: Maharashtra

Goa

Karnataka

Gujarat

Madhya Pradesh

Giving input

9:26 1.00 MB 4G

formInput

### Voting candidate input

Aniket Mishra

☒ Do you have any criminal cases against you?

☒ male

☐ female

Date of Birth: 12/12/1212

State: Goa

You are not allowed to participate, Criminal!!!

SUBMIT

case 1: criminal case



9:26 0.12 KB 4G

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 2.00 KB 4G

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