

# **Department of Computer Science and Engineering**

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## **UCS1711 - Mobile Application Development Lab**

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### **Exercise 1: Application using GUI components, Font and Colours**

#### **Objective:**

Generate a registration form for a hospital to register new patient details.

#### **Code:**

#### **Main Activity:**

#### **Design:**

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout
   xmlns:android="http://schemas.android.com/apk/res/android"
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent"
7   app:layout_constraintTop_toTopOf="parent"
8   tools:context=".MainActivity">
9
10  <RadioButton
11      android:id="@+id/radioButtonOther"
12      android:layout_width="wrap_content"
13      android:layout_height="wrap_content"
14      android:layout_marginStart="8dp"
15      android:layout_marginLeft="8dp"
16      android:layout_marginTop="304dp"
17      android:text="Other"
18      app:layout_constraintStart_toEndOf="@+id/
radioButtonFemale"
19      app:layout_constraintTop_toTopOf="parent" />
20
21  <EditText
22      android:id="@+id/editTextContact"
23      android:layout_width="wrap_content"
24      android:layout_height="wrap_content"
25      android:layout_marginStart="20dp"
26      android:layout_marginLeft="20dp"
27      android:layout_marginTop="416dp"
28      android:ems="10"
29      android:inputType="number"
30      app:layout_constraintStart_toEndOf="@+id/textView9"
31      app:layout_constraintTop_toTopOf="parent" />
32
33  <CheckBox
34      android:id="@+id/checkboxAlcohol"
35      android:layout_width="wrap_content"
36      android:layout_height="wrap_content"
37      android:layout_marginStart="12dp"
38      android:layout_marginLeft="12dp"
39      android:layout_marginTop="528dp"
40      android:text="Alcohol"
41      app:layout_constraintStart_toEndOf="@+id/
checkboxSmoke"
42      app:layout_constraintTop_toTopOf="parent" />

```

```

43
44 <TextView
45     android:id="@+id/textView11"
46     android:layout_width="87dp"
47     android:layout_height="45dp"
48     android:layout_marginStart="36dp"
49     android:layout_marginLeft="36dp"
50     android:layout_marginTop="528dp"
51     android:text="Addiction"
52     app:layout_constraintStart_toStartOf="parent"
53     app:layout_constraintTop_toTopOf="parent" />
54
55 <TextView
56     android:id="@+id/textView10"
57     android:layout_width="87dp"
58     android:layout_height="45dp"
59     android:layout_marginStart="36dp"
60     android:layout_marginLeft="36dp"
61     android:layout_marginTop="472dp"
62     android:text="Registration Time"
63     app:layout_constraintStart_toStartOf="parent"
64     app:layout_constraintTop_toTopOf="parent" />
65
66 <TextView
67     android:id="@+id/textView9"
68     android:layout_width="87dp"
69     android:layout_height="45dp"
70     android:layout_marginStart="36dp"
71     android:layout_marginLeft="36dp"
72     android:layout_marginTop="416dp"
73     android:text="Contact Number"
74     app:layout_constraintStart_toStartOf="parent"
75     app:layout_constraintTop_toTopOf="parent" />
76
77 <TextView
78     android:id="@+id/textView8"
79     android:layout_width="87dp"
80     android:layout_height="45dp"
81     android:layout_marginStart="36dp"
82     android:layout_marginLeft="36dp"
83     android:text="Marital status"
84     app:layout_constraintStart_toStartOf="parent"
85     app:layout_constraintTop_toTopOf="@+id/textView7" />
86
87 <TextView

```

```

88         android:id="@+id/textView7"
89         android:layout_width="87dp"
90         android:layout_height="45dp"
91         android:layout_marginStart="36dp"
92         android:layout_marginLeft="36dp"
93         android:layout_marginTop="360dp"
94         android:text="Marital status"
95         app:layout_constraintStart_toStartOf="parent"
96         app:layout_constraintTop_toTopOf="parent" />
97
98     <TextView
99         android:id="@+id/textView6"
100        android:layout_width="87dp"
101        android:layout_height="45dp"
102        android:layout_marginStart="36dp"
103        android:layout_marginLeft="36dp"
104        android:layout_marginTop="304dp"
105        android:text="Gender"
106        app:layout_constraintStart_toStartOf="parent"
107        app:layout_constraintTop_toTopOf="parent" />
108
109    <TextView
110        android:id="@+id/textView5"
111        android:layout_width="87dp"
112        android:layout_height="45dp"
113        android:layout_marginStart="36dp"
114        android:layout_marginLeft="36dp"
115        android:layout_marginTop="248dp"
116        android:text="Date of Birth"
117        app:layout_constraintStart_toStartOf="parent"
118        app:layout_constraintTop_toTopOf="parent" />
119
120    <TextView
121        android:id="@+id/textView3"
122        android:layout_width="87dp"
123        android:layout_height="45dp"
124        android:layout_marginStart="36dp"
125        android:layout_marginLeft="36dp"
126        android:layout_marginTop="192dp"
127        android:text="Age"
128        app:layout_constraintStart_toStartOf="parent"
129        app:layout_constraintTop_toTopOf="parent" />
130
131    <TextView
132        android:id="@+id/textView2"

```

```

133         android:layout_width="87dp"
134         android:layout_height="45dp"
135         android:layout_marginStart="36dp"
136         android:layout_marginLeft="36dp"
137         android:layout_marginTop="136dp"
138         android:text="Address"
139         app:layout_constraintStart_toStartOf="parent"
140         app:layout_constraintTop_toTopOf="parent" />
141
142     <androidx.appcompat.widget.Toolbar
143         android:id="@+id/toolbar"
144         android:layout_width="match_parent"
145         android:layout_height="?attr/actionBarSize"
146         android:background="?attr/colorPrimary"
147         app:layout_anchor="@+id/toolbar"
148         app:layout_anchorGravity="center"
149         tools:layout_editor_absoluteX="0dp"
150         tools:layout_editor_absoluteY="0dp" />
151
152     <TextView
153         android:id="@+id/textView"
154         android:layout_width="87dp"
155         android:layout_height="45dp"
156         android:layout_marginStart="36dp"
157         android:layout_marginLeft="36dp"
158         android:layout_marginTop="80dp"
159         android:text="Name"
160         app:layout_constraintStart_toStartOf="parent"
161         app:layout_constraintTop_toTopOf="parent" />
162
163     <EditText
164         android:id="@+id/editTextName"
165         android:layout_width="wrap_content"
166         android:layout_height="wrap_content"
167         android:layout_marginStart="24dp"
168         android:layout_marginLeft="24dp"
169         android:layout_marginTop="25dp"
170         android:ems="10"
171         android:inputType="textPersonName"
172         app:layout_constraintStart_toEndOf="@+id/textView"
173         app:layout_constraintTop_toBottomOf="@+id/toolbar" />
174
175     <EditText
176         android:id="@+id/editTextAddress"
177         android:layout_width="wrap_content"

```

```

178         android:layout_height="wrap_content"
179         android:layout_marginStart="24dp"
180         android:layout_marginLeft="24dp"
181         android:layout_marginTop="136dp"
182         android:ems="10"
183         android:inputType="textPersonName"
184         app:layout_constraintStart_toEndOf="@+id/textView2"
185         app:layout_constraintTop_toTopOf="parent" />
186
187     <TextView
188         android:id="@+id/textView4"
189         android:layout_width="410dp"
190         android:layout_height="54dp"
191         android:fontFamily="casual"
192         android:text="Yoyo group of Hospitals"
193         android:textSize="20sp"
194         app:autoSizeTextType="uniform"
195         tools:layout_editor_absoluteX="0dp"
196         tools:layout_editor_absoluteY="1dp" />
197
198     <EditText
199         android:id="@+id/editTextDOB"
200         android:layout_width="wrap_content"
201         android:layout_height="wrap_content"
202         android:layout_marginStart="24dp"
203         android:layout_marginLeft="24dp"
204         android:layout_marginTop="248dp"
205         android:ems="10"
206         android:inputType="date"
207         app:layout_constraintStart_toEndOf="@+id/textView5"
208         app:layout_constraintTop_toTopOf="parent" />
209
210     <Spinner
211         android:id="@+id/spinner"
212         android:layout_width="208dp"
213         android:layout_height="31dp"
214         android:layout_marginStart="24dp"
215         android:layout_marginLeft="24dp"
216         android:layout_marginTop="360dp"
217         android:entries="@array/marriage"
218         app:layout_constraintStart_toEndOf="@+id/textView8"
219         app:layout_constraintTop_toTopOf="parent" />
220
221     <EditText
222         android:id="@+id/editTextTime"

```

```

223         android:layout_width="wrap_content"
224         android:layout_height="wrap_content"
225         android:layout_marginStart="24dp"
226         android:layout_marginLeft="24dp"
227         android:layout_marginTop="472dp"
228         android:ems="10"
229         android:inputType="time"
230         app:layout_constraintStart_toEndOf="@+id/textView10"
231         app:layout_constraintTop_toTopOf="parent" />
232
233     <CheckBox
234         android:id="@+id/checkboxSmoke"
235         android:layout_width="wrap_content"
236         android:layout_height="wrap_content"
237         android:layout_marginStart="24dp"
238         android:layout_marginLeft="24dp"
239         android:layout_marginTop="528dp"
240         android:text="Smoking"
241         app:layout_constraintStart_toEndOf="@+id/textView11"
242         app:layout_constraintTop_toTopOf="parent" />
243
244     <Button
245         android:id="@+id/buttonSubmit"
246         android:layout_width="wrap_content"
247         android:layout_height="wrap_content"
248         android:layout_marginStart="60dp"
249         android:layout_marginLeft="60dp"
250         android:layout_marginTop="50dp"
251         android:onClick="submitFields"
252         android:text="Submit"
253         app:layout_constraintStart_toStartOf="parent"
254         app:layout_constraintTop_toBottomOf="@+id/textView11"
255     />
256
257     <Button
258         android:id="@+id/buttonReset"
259         android:layout_width="wrap_content"
260         android:layout_height="wrap_content"
261         android:layout_marginStart="44dp"
262         android:layout_marginLeft="44dp"
263         android:layout_marginTop="50dp"
264         android:text="Reset"
265         app:layout_constraintStart_toEndOf="@+id/buttonSubmit"
266         app:layout_constraintTop_toBottomOf="@+id/

```

```

266     checkBoxAlcohol " />
267     <EditText
268         android:id="@+id/editTextAge"
269         android:layout_width="wrap_content"
270         android:layout_height="wrap_content"
271         android:layout_marginStart="25dp"
272         android:layout_marginLeft="25dp"
273         android:layout_marginTop="192dp"
274         android:ems="10"
275         android:inputType="number"
276         app:layout_constraintStart_toEndOf="@+id/textView3"
277         app:layout_constraintTop_toTopOf="parent" />
278
279     <RadioButton
280         android:id="@+id/radioButtonMale"
281         android:layout_width="wrap_content"
282         android:layout_height="wrap_content"
283         android:layout_marginStart="24dp"
284         android:layout_marginLeft="24dp"
285         android:layout_marginTop="304dp"
286         android:text="Male"
287         app:layout_constraintStart_toEndOf="@+id/textView6"
288         app:layout_constraintTop_toTopOf="@+id/toolbar" />
289
290     <RadioButton
291         android:id="@+id/radioButtonFemale"
292         android:layout_width="wrap_content"
293         android:layout_height="wrap_content"
294         android:layout_marginStart="8dp"
295         android:layout_marginLeft="8dp"
296         android:layout_marginTop="304dp"
297         android:text="Female"
298         app:layout_constraintStart_toEndOf="@+id/
299     radioButtonMale"
300         app:layout_constraintTop_toTopOf="parent" />
301 </androidx.constraintlayout.widget.ConstraintLayout>

```

## Behaviour:

```

1 package com.example.patientregistration;
2
3 import androidx.appcompat.app.AppCompatActivity;
4

```



```

5 import android.content.Intent;
6 import android.os.Bundle;
7 import android.provider.MediaStore;
8 import android.view.View;
9 import android.widget.Button;
10 import android.widget.CheckBox;
11 import android.widget.EditText;
12 import android.widget.RadioButton;
13 import android.widget.RadioGroup;
14 import android.widget.Spinner;
15
16 public class MainActivity extends AppCompatActivity {
17     public static final String NAME = "com.example.
    patientregistration.NAME";
18     public static final String ADDRESS = "com.example.
    patientregistration.ADDRESS";
19     public static final String AGE = "com.example.
    patientregistration.AGE";
20     public static final String DOB = "com.example.
    patientregistration.DOB";
21     public static final String GENDER = "com.example.
    patientregistration.GENDER";
22     public static final String STATUS = "com.example.
    patientregistration.STATUS";
23     public static final String CONTACT = "com.example.
    patientregistration.CONTACT";
24     public static final String REGTIME = "com.example.
    patientregistration.REGTIME";
25     public static final String ADDICTION = "com.example.
    patientregistration.ADDICTION";
26
27     @Override
28     protected void onCreate(Bundle savedInstanceState) {
29         super.onCreate(savedInstanceState);
30         setContentView(R.layout.activity_main);
31
32         Button reset_btn = (Button)findViewById(R.id.
    buttonReset);
33         reset_btn.setOnClickListener(new View.OnClickListener
    (){
34             public void onClick(View view){
35                 EditText name = (EditText)findViewById(R.id.
    editTextName);
36                 name.setText("");
37                 EditText address = (EditText)findViewById(R.

```

```

id.editTextAddress);
38         address.setText("");
39         EditText age = (EditText)findViewById(R.id.
editTextAge);
40         age.setText("");
41         EditText dob = (EditText)findViewById(R.id.
editTextDOB);
42         dob.setText("");
43         EditText contact = (EditText)findViewById(R.
id.editTextContact);
44         contact.setText("");
45         EditText time = (EditText)findViewById(R.id.
editTextTime);
46         time.setText("");
47
48         RadioButton male = (RadioButton) findViewById
(R.id.radioButtonMale);
49         male.setChecked(false);
50         RadioButton female = (RadioButton)
findViewById(R.id.radioButtonFemale);
51         female.setChecked(false);
52
53         RadioButton other = (RadioButton)
findViewById(R.id.radioButtonOther);
54         other.setChecked(false);
55
56
57 //         RadioGroup gender = (RadioGroup)
findViewById(R.id.radioGroupSex);
58 //         gender.clearCheck();
59         CheckBox smoke = (CheckBox)findViewById(R.id.
checkBoxSmoke);
60         if(smoke.isChecked()){
61             smoke.setChecked(false);
62         }
63         CheckBox alcohol = (CheckBox)findViewById(R.
id.checkBoxAlcohol);
64         if(alcohol.isChecked()){
65             alcohol.setChecked(false);
66         }
67         Spinner marital = (Spinner)findViewById(R.id.
spinner);
68         marital.setSelection(0);
69     }
70 });

```

```

71     }
72
73     public void submitFields(View view){
74         Intent intent = new Intent(this,
DisplayDetailsActivity.class);
75         EditText name = (EditText) findViewById(R.id.
editTextName);
76         String message = name.getText().toString();
77         intent.putExtra(NAME, message);
78
79         EditText address = (EditText) findViewById(R.id.
editTextAddress);
80         String addr = address.getText().toString();
81         intent.putExtra(ADDRESS, addr);
82
83         EditText age = (EditText) findViewById(R.id.
editTextAge);
84         String age_y = age.getText().toString();
85         intent.putExtra(AGE, age_y);
86
87         EditText dob = (EditText) findViewById(R.id.
editTextDOB);
88         String date = dob.getText().toString();
89         intent.putExtra(DOB, date);
90
91         EditText contact = (EditText) findViewById(R.id.
editTextContact);
92         String number = contact.getText().toString();
93         intent.putExtra(CONTACT, number);
94
95         EditText regtime = (EditText) findViewById(R.id.
editTextTime);
96         String time = regtime.getText().toString();
97         intent.putExtra(REGTIME, time);
98
99         String gender="other";
100
101 //         RadioGroup sex = (RadioGroup)findViewById(R.id.
radioGroupSex);
102 //         int selected = sex.getCheckedRadioButtonId();
103 //         RadioButton gen = (RadioButton)findViewById(
selected);
104 //         String gender = gen.getText().toString();
105         RadioButton male = (RadioButton) findViewById(R.id.
radioButtonMale);

```

```

106         RadioButton female = (RadioButton) findViewById(R.id.
radioButtonFemale);
107         RadioButton other = (RadioButton) findViewById(R.id.
radioButtonOther);
108         if(male.isChecked()){
109             gender = male.getText().toString();
110         }
111         else if(female.isChecked()) {
112             gender = female.getText().toString();
113         }
114         else{
115             gender = other.getText().toString();
116         }
117         intent.putExtra(GENDER, gender);
118
119         Spinner status = (Spinner) findViewById(R.id.spinner)
;
120         String stat = status.getSelectedItem().toString();
121         intent.putExtra(STATUS, stat);
122
123         String addiction = "";
124         CheckBox smoke = (CheckBox) findViewById(R.id.
checkBoxSmoke);
125         if(smoke.isChecked()) {
126             addiction += smoke.getText().toString();
127         }
128         CheckBox alcohol = (CheckBox) findViewById(R.id.
checkBoxAlcohol);
129         if(alcohol.isChecked()){
130             if(smoke.isChecked()) {
131                 addiction += ", ";
132             }
133             addiction += alcohol.getText().toString();
134         }
135         intent.putExtra(ADDICTION, addiction);
136
137         startActivity(intent);
138     }
139
140 }

```

## Display Details Activity:

### Design:

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".DisplayDetailsActivity">
9
10    <TextView
11        android:id="@+id/textView27"
12        android:layout_width="137dp"
13        android:layout_height="41dp"
14        android:layout_marginStart="27dp"
15        android:layout_marginLeft="27dp"
16        android:layout_marginTop="20dp"
17        android:text="Name"
18        app:layout_constraintStart_toStartOf="parent"
19        app:layout_constraintTop_toBottomOf="@+id/textView15"
20    />
21
22    <TextView
23        android:id="@+id/textViewAddiction"
24        android:layout_width="137dp"
25        android:layout_height="41dp"
26        android:layout_marginStart="70dp"
27        android:layout_marginLeft="70dp"
28        android:layout_marginTop="20dp"
29        app:layout_constraintStart_toEndOf="@+id/textView23"
30        app:layout_constraintTop_toBottomOf="@+id/
31        textViewRegTime" />
32
33    <TextView
34        android:id="@+id/textViewRegTime"
35        android:layout_width="137dp"
36        android:layout_height="41dp"
37        android:layout_marginStart="70dp"
38        android:layout_marginLeft="70dp"
39        android:layout_marginTop="20dp"
40        app:layout_constraintStart_toEndOf="@+id/textView24"
41        app:layout_constraintTop_toBottomOf="@+id/
42        textViewContact" />
```

```

39
40 <TextView
41     android:id="@+id/textViewContact "
42     android:layout_width="137dp"
43     android:layout_height="41dp"
44     android:layout_marginStart="70dp"
45     android:layout_marginLeft="70dp"
46     android:layout_marginTop="20dp"
47     app:layout_constraintStart_toEndOf="@+id/textView25 "
48     app:layout_constraintTop_toBottomOf="@+id/
textViewStatus " />
49
50 <TextView
51     android:id="@+id/textViewGender "
52     android:layout_width="137dp"
53     android:layout_height="41dp"
54     android:layout_marginStart="70dp"
55     android:layout_marginLeft="70dp"
56     android:layout_marginTop="20dp"
57     app:layout_constraintStart_toEndOf="@+id/textView26 "
58     app:layout_constraintTop_toBottomOf="@+id/textViewDOB
" />
59
60 <TextView
61     android:id="@+id/textViewStatus "
62     android:layout_width="137dp"
63     android:layout_height="41dp"
64     android:layout_marginStart="70dp"
65     android:layout_marginLeft="70dp"
66     android:layout_marginTop="20dp"
67     app:layout_constraintStart_toEndOf="@+id/textView13 "
68     app:layout_constraintTop_toBottomOf="@+id/
textViewGender " />
69
70 <TextView
71     android:id="@+id/textView23 "
72     android:layout_width="137dp"
73     android:layout_height="41dp"
74     android:layout_marginStart="27dp"
75     android:layout_marginLeft="27dp"
76     android:layout_marginTop="20dp"
77     android:text="Addiction "
78     app:layout_constraintStart_toStartOf="parent "
79     app:layout_constraintTop_toBottomOf="@+id/textView24 "
/>

```

```

80
81 <TextView
82     android:id="@+id/textView24"
83     android:layout_width="137dp"
84     android:layout_height="41dp"
85     android:layout_marginStart="27dp"
86     android:layout_marginLeft="27dp"
87     android:layout_marginTop="20dp"
88     android:text="Registration Time"
89     app:layout_constraintStart_toStartOf="parent"
90     app:layout_constraintTop_toBottomOf="@+id/textView25"
91 />
92
93 <TextView
94     android:id="@+id/textView25"
95     android:layout_width="137dp"
96     android:layout_height="41dp"
97     android:layout_marginStart="27dp"
98     android:layout_marginLeft="27dp"
99     android:layout_marginTop="20dp"
100     android:text="Contact"
101     app:layout_constraintStart_toStartOf="parent"
102     app:layout_constraintTop_toBottomOf="@+id/textView13"
103 />
104
105 <TextView
106     android:id="@+id/textView26"
107     android:layout_width="137dp"
108     android:layout_height="41dp"
109     android:layout_marginStart="27dp"
110     android:layout_marginLeft="27dp"
111     android:layout_marginTop="20dp"
112     android:text="Gender"
113     app:layout_constraintStart_toStartOf="parent"
114     app:layout_constraintTop_toBottomOf="@+id/textView20"
115 />
116
117 <TextView
118     android:id="@+id/textViewDOB"
119     android:layout_width="137dp"
120     android:layout_height="41dp"
121     android:layout_marginStart="70dp"
122     android:layout_marginLeft="70dp"
123     android:layout_marginTop="20dp"
124     app:layout_constraintStart_toEndOf="@+id/textView26"

```

```

122         app:layout_constraintTop_toBottomOf="@+id/textViewAge
" />
123
124     <TextView
125         android:id="@+id/textView20"
126         android:layout_width="137dp"
127         android:layout_height="41dp"
128         android:layout_marginStart="27dp"
129         android:layout_marginLeft="27dp"
130         android:layout_marginTop="20dp"
131         android:text="Date of Birth"
132         app:layout_constraintStart_toStartOf="parent"
133         app:layout_constraintTop_toBottomOf="@+id/textView18"
/>
134
135     <TextView
136         android:id="@+id/textViewAge"
137         android:layout_width="137dp"
138         android:layout_height="41dp"
139         android:layout_marginStart="70dp"
140         android:layout_marginLeft="70dp"
141         android:layout_marginTop="20dp"
142         app:layout_constraintStart_toEndOf="@+id/textView20"
143         app:layout_constraintTop_toBottomOf="@+id/
textViewAddress" />
144
145     <TextView
146         android:id="@+id/textView18"
147         android:layout_width="137dp"
148         android:layout_height="41dp"
149         android:layout_marginStart="27dp"
150         android:layout_marginLeft="27dp"
151         android:layout_marginTop="20dp"
152         android:text="Age"
153         app:layout_constraintStart_toStartOf="parent"
154         app:layout_constraintTop_toBottomOf="@+id/textView16"
/>
155
156     <TextView
157         android:id="@+id/textViewAddress"
158         android:layout_width="137dp"
159         android:layout_height="41dp"
160         android:layout_marginStart="70dp"
161         android:layout_marginLeft="70dp"
162         android:layout_marginTop="20dp"

```



```

163         app:layout_constraintStart_toEndOf="@+id/textView16"
164         app:layout_constraintTop_toBottomOf="@+id/
textViewName" />
165
166     <TextView
167         android:id="@+id/textView16"
168         android:layout_width="137dp"
169         android:layout_height="41dp"
170         android:layout_marginStart="27dp"
171         android:layout_marginLeft="27dp"
172         android:layout_marginTop="20dp"
173         android:text="Address"
174         app:layout_constraintStart_toStartOf="parent"
175         app:layout_constraintTop_toBottomOf="@+id/textView27"
/>
176
177     <TextView
178         android:id="@+id/textView15"
179         android:layout_width="344dp"
180         android:layout_height="40dp"
181         android:layout_marginStart="27dp"
182         android:layout_marginLeft="27dp"
183         android:layout_marginTop="26dp"
184         android:layout_marginEnd="40dp"
185         android:layout_marginRight="40dp"
186         android:layout_marginBottom="20dp"
187         android:text="Patient Details"
188         app:layout_constraintBottom_toTopOf="@+id/textView27"
189         app:layout_constraintEnd_toEndOf="parent"
190         app:layout_constraintStart_toStartOf="parent"
191         app:layout_constraintTop_toTopOf="parent" />
192
193     <TextView
194         android:id="@+id/textViewName"
195         android:layout_width="137dp"
196         android:layout_height="41dp"
197         android:layout_marginStart="70dp"
198         android:layout_marginLeft="70dp"
199         android:layout_marginTop="20dp"
200         app:layout_constraintStart_toEndOf="@+id/textView27"
201         app:layout_constraintTop_toBottomOf="@+id/textView15"
/>
202
203     <TextView
204         android:id="@+id/textView13"

```

```

205         android:layout_width="137dp"
206         android:layout_height="41dp"
207         android:layout_marginStart="27dp"
208         android:layout_marginLeft="27dp"
209         android:layout_marginTop="20dp"
210         android:text="Marital Status"
211         app:layout_constraintStart_toStartOf="parent"
212         app:layout_constraintTop_toBottomOf="@+id/textView26"
    />
213 </androidx.constraintlayout.widget.ConstraintLayout>

```

## Behaviour:

```

1 package com.example.patientregistration;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.content.Intent;
6 import android.os.Bundle;
7 import android.widget.TextView;
8
9 public class DisplayDetailsActivity extends AppCompatActivity
10 {
11     @Override
12     protected void onCreate(Bundle savedInstanceState) {
13         super.onCreate(savedInstanceState);
14         setContentView(R.layout.activity_display_details2);
15
16         Intent intent = getIntent();
17
18         String name = intent.getStringExtra(MainActivity.NAME
19 );
20         TextView textViewName = findViewById(R.id.
21 textViewName);
22         textViewName.setText(name);
23
24         String address = intent.getStringExtra(MainActivity.
25 ADDRESS);
26         TextView textViewAddr = findViewById(R.id.
27 textViewAddress);
28         textViewAddr.setText(address);
29
30         String age = intent.getStringExtra(MainActivity.AGE);

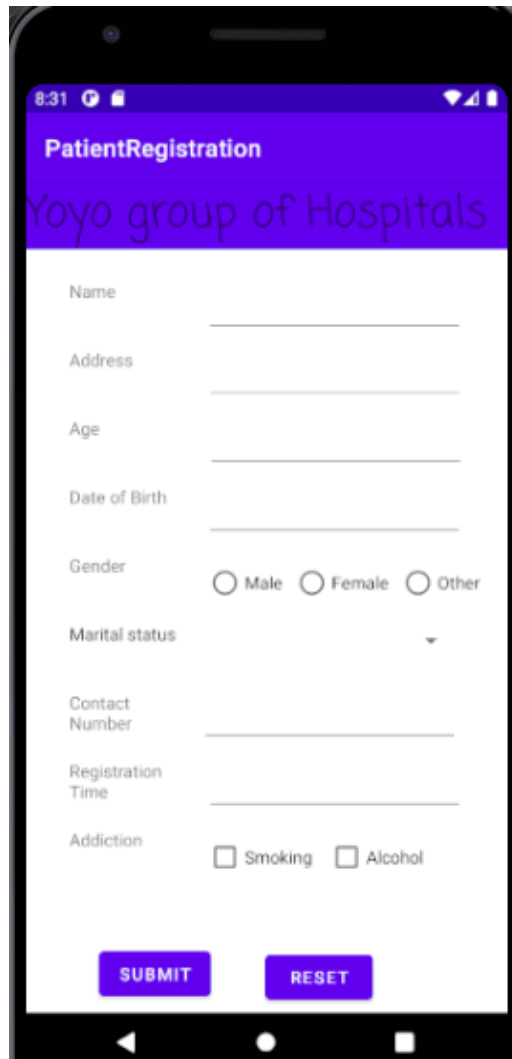
```

```

27         TextView textViewAge = findViewById(R.id.textViewAge)
28     ;
29         textViewAge.setText(age);
30
31         String dob = intent.getStringExtra(MainActivity.DOB);
32         TextView textViewDOB = findViewById(R.id.textViewDOB)
33     ;
34         textViewDOB.setText(dob);
35
36         String gender = intent.getStringExtra(MainActivity.
37 GENDER);
38         TextView textViewGender = findViewById(R.id.
39 textViewGender);
40         textViewGender.setText(gender);
41
42         String status = intent.getStringExtra(MainActivity.
43 STATUS);
44         TextView textViewStatus = findViewById(R.id.
45 textViewStatus);
46         textViewStatus.setText(status);
47
48         String contact = intent.getStringExtra(MainActivity.
49 CONTACT);
50         TextView textViewContact = findViewById(R.id.
51 textViewContact);
52         textViewContact.setText(contact);
53
54         String time = intent.getStringExtra(MainActivity.
55 REGTIME);
56         TextView textViewRegTime = findViewById(R.id.
57 textViewRegTime);
58         textViewRegTime.setText(time);
59
60         String addiction = intent.getStringExtra(MainActivity
61 .ADDICTION);
62         TextView textViewAddiction = findViewById(R.id.
63 textViewAddiction);
64         textViewAddiction.setText(addiction);
65     }
66 }

```

Output:



The image shows a mobile application interface for patient registration. At the top, there is a status bar with the time 8:31 and various icons. Below this is a blue header bar with the text "PatientRegistration" and "Yoyo group of Hospitals" in a handwritten-style font. The main form area is white and contains several input fields: "Name", "Address", "Age", "Date of Birth", "Gender" (with radio buttons for Male, Female, and Other), "Marital status" (with a dropdown arrow), "Contact Number", "Registration Time", and "Addiction" (with checkboxes for Smoking and Alcohol). At the bottom of the form are two blue buttons labeled "SUBMIT" and "RESET". The entire application is displayed on a black background representing a mobile device screen.

8:31

PatientRegistration

Yoyo group of Hospitals

Name

Address

Age

Date of Birth

Gender

☐ Male ☐ Female ☐ Other

Marital status

Contact Number

Registration Time

Addiction

☐ Smoking ☐ Alcohol

SUBMIT

RESET

8:34

PatientRegistration

Yoyo group of Hospitals

Name shiva

Address chennai

Age 20

Date of Birth 15022001

Gender ☒ Male ☐ Female ☐ Other

Marital status Single

Contact Number 94454535407

Registration Time 20:33

Addiction ☒ Smoking ☒ Alcohol

SUBMIT RESET

8:33

PatientRegistration

Patient Details

Name	shiva
Address	chennai
Age	20
Date of Birth	15022001
Gender	Male
Marital Status	Single
Contact	94454535407
Registration Time	20:33
Addiction	Smoking, Alcohol