**SSN COLLEGE OF ENGINEERING**

**DEPARTMENT OF CSE VI SEMESTER – CSE 'C' SECTION**

**CS6611 - MOBILE APPLICATION DEVELOPMENT LABORATORY**

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**Semester : 7 Roll : 18 5001 141**

**ASSIGNMENT 1**

Application using GUI components, Font and Colours:

Generate a registration form for a hospital to register new patient details as below:

a. Assign a title for the registration form(TextView- textSize, textStyle , typeface)

b. Name. Specify some font and colour. (use TextView, EditText-standard)

c. Address (use TextView, EditText-standard)

d. Age (TextView, EditText)

e. Date of Birth (DatePicker)

f. Gender (RadioButton)

g. Marital Status (Spinner)

h. Contact Number (EditText- inputType, phoneNumber)

i. Registration time (TimePicker)

j. Addiction (Smoking, Alcohol) (CheckBox)

k. Submit (Button)

l. Reset (Button)

ManiActivity.java

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Context;  
import android.content.Intent;  
import android.os.Bundle;  
  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.EditText;  
import android.widget.RadioGroup;  
import android.widget.Spinner;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 final Spinner spinner = findViewById(R.id.*ms*);  
 final EditText name = findViewById (R.id.*name*);  
 final EditText address = findViewById(R.id.*address*);  
 final EditText dob = findViewById(R.id.*dob*);  
 final EditText contact = findViewById(R.id.*contact*);  
 final EditText registerDate = findViewById(R.id.*date*);  
 final RadioGroup gender = findViewById(R.id.*gender*);  
 final CheckBox smoking = findViewById(R.id.*smoking*);  
 final CheckBox alcohol = findViewById(R.id.*Alcohol*);  
  
 Button submit = findViewById(R.id.*submit*);  
 Button reset = findViewById(R.id.*reset*);  
  
 ArrayAdapter<CharSequence> adapter = ArrayAdapter.*createFromResource*(this, R.array.*ms*, android.R.layout.*simple\_spinner\_item*);  
 adapter.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
 spinner.setAdapter(adapter);  
  
 reset.setOnClickListener(new View.OnClickListener(){  
 @Override  
 public void onClick(View v) {  
 startActivity(new Intent(getApplicationContext(), MainActivity.class));  
 }  
 });  
  
 submit.setOnClickListener(new View.OnClickListener(){  
 @Override  
 public void onClick(View v) {  
 startActivity(new Intent(getApplicationContext(), MainActivity.class));  
 }  
 });  
 }  
}

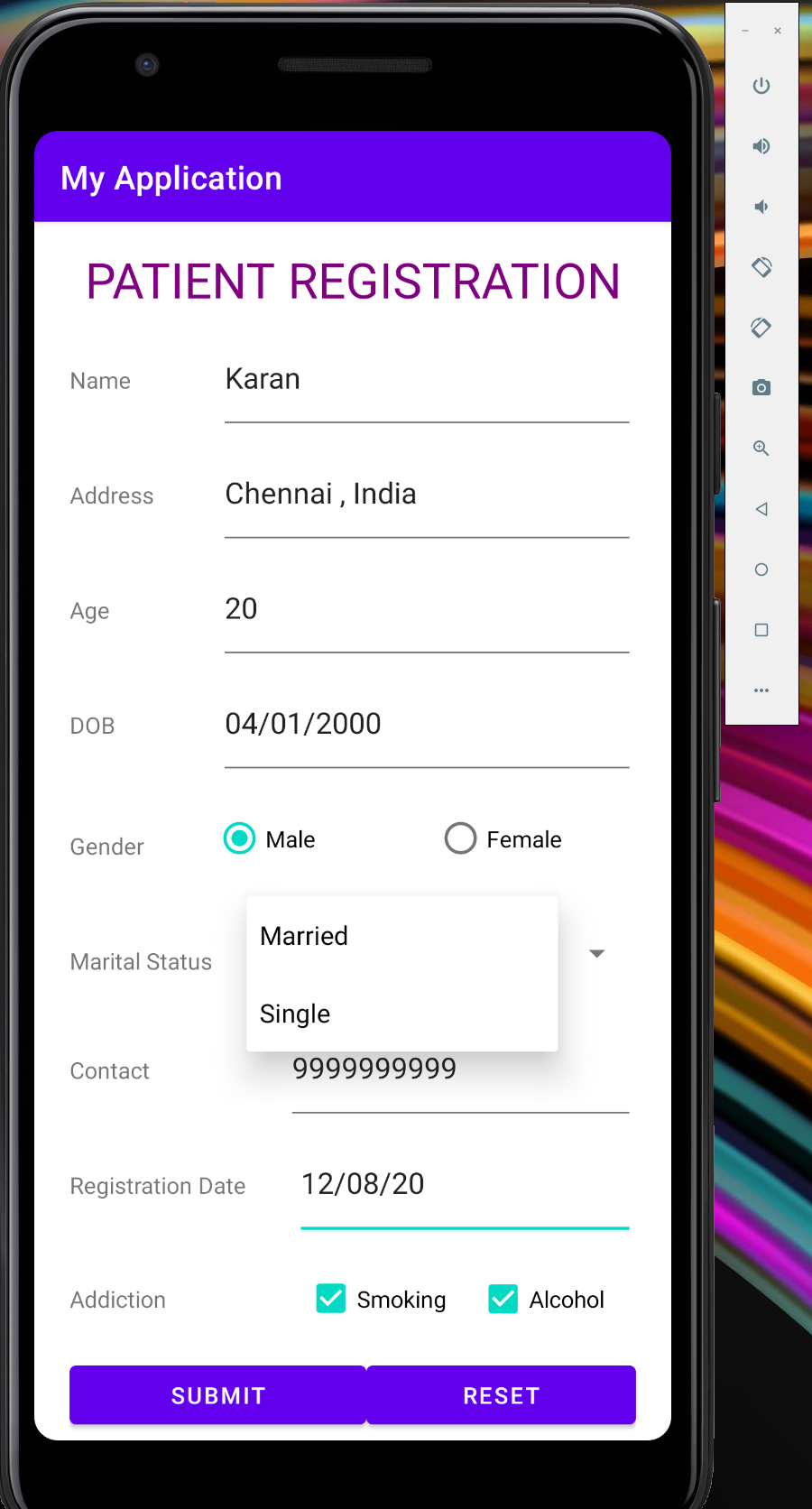
**activity\_main.xml:**

<?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"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="357dp"  
 android:layout\_height="51dp"  
 android:text="PATIENT REGISTRATION"  
 android:textSize="30sp"  
 android:textColor="#800080"  
 android:textAlignment="center"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.022" />  
  
 <LinearLayout  
 android:layout\_width="349dp"  
 android:layout\_height="686dp"  
 android:layout\_marginTop="8dp"  
 android:orientation="vertical"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.933">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/Name"  
 android:layout\_width="45dp"  
 android:layout\_height="54dp"  
 android:layout\_weight="1"  
 android:text="Name" />  
  
 <EditText  
 android:id="@+id/name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:inputType="textPersonName"  
 />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/Address"  
 android:layout\_width="45dp"  
 android:layout\_height="61dp"  
 android:layout\_weight="1"  
 android:text="Address" />  
  
 <EditText  
 android:id="@+id/address"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:inputType="textPostalAddress" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/Age"  
 android:layout\_width="45dp"  
 android:layout\_height="54dp"  
 android:layout\_weight="1"  
 android:text="Age" />  
  
 <EditText  
 android:id="@+id/age"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:inputType="number" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/DOB"  
 android:layout\_width="45dp"  
 android:layout\_height="54dp"  
 android:layout\_weight="1"  
 android:text="DOB" />  
  
 <EditText  
 android:id="@+id/dob"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:inputType="date" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/Gender"  
 android:layout\_width="177dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:paddingTop="30dp"  
 android:text="Gender" />  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:orientation="horizontal"  
 android:id="@+id/gender"  
 >  
  
  
 <RadioButton  
 android:id="@+id/male"  
 android:layout\_width="123dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:text="Male" />  
  
 <RadioButton  
 android:id="@+id/female"  
 android:layout\_width="110dp"  
 android:layout\_height="71dp"  
 android:layout\_weight="1"  
 android:text="Female" />  
  
 </RadioGroup>  
  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/MaritalStatus"  
 android:layout\_width="120dp"  
 android:layout\_height="match\_parent"  
 android:paddingTop="30dp"  
 android:layout\_weight="1"  
 android:text="Marital Status"  
 android:textAlignment="gravity" />  
  
 <Spinner  
 android:layout\_width="240dp"  
 android:layout\_height="match\_parent"  
 android:id="@+id/ms" />  
  
 </LinearLayout>  
  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/Phone"  
 android:layout\_width="128dp"  
 android:layout\_height="50dp"  
 android:layout\_weight="1"  
 android:text="Contact" />  
  
 <EditText  
 android:id="@+id/contact"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:inputType="phone" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal" >  
  
 <TextView  
 android:id="@+id/Registration\_Date"  
 android:layout\_width="139dp"  
 android:layout\_height="50dp"  
 android:layout\_weight="1"  
 android:text="Registration Date" />  
  
 <EditText  
 android:id="@+id/date"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:inputType="date" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal" >  
  
 <TextView  
 android:id="@+id/Addiction"  
 android:layout\_width="126dp"  
 android:layout\_height="50dp"  
 android:layout\_weight="1"  
 android:text="Addiction" />  
  
 <CheckBox  
 android:id="@+id/smoking"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:text="Smoking" />  
  
 <CheckBox  
 android:id="@+id/Alcohol"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Alcohol" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/submit"  
 android:layout\_width="105dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Submit"  
 app:layout\_constraintLeft\_toLeftOf="parent" />  
  
 <Button  
 android:id="@+id/reset"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Reset"  
 app:layout\_constraintRight\_toRightOf="parent" />  
 </LinearLayout>  
  
 </LinearLayout>  
  
  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Strings.xml**

<resources>  
 <string name="app\_name">My Application</string>  
 <string-array name="ms">  
 <item>Married</item>  
 <item>Single</item>  
 </string-array>  
</resources>

**Output:**

****