UCS6611 - MOBILE APPLICATION DEVELOPMENT LABORATORY

Ex. No. 1 Application using GUI components, Font and Colours

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Question:

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

Code:

Activity_main.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:orientation="vertical"
        android:padding="30dp"
        tools:ignore="ObsoleteLayoutParam">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center_horizontal"
            android:paddingVertical="20dp"
            android:text="@string/hospital_registration"
            android:textAlignment="center"
            android:textColor="@color/black"
            android:textSize="30sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginVertical="10dp"
            android:orientation="horizontal">

            <TextView
```

```xml
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="@string/name"
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <EditText
            android:id="@+id/nameET"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:focusedByDefault="true"/>
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Address : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <EditText
            android:id="@+id/addressET"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:lines="3" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
```

```xml
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Age : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <EditText
            android:id="@+id/ageET"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:inputType="number"
            android:maxLength="2"/>
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="DOB : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <DatePicker
            android:id="@+id/dobDP"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:calendarViewShown="false"
            android:datePickerMode="spinner" />
```

```xml
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Gender : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <RadioGroup
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="1"
            android:orientation="horizontal">

            <RadioButton
                android:id="@+id/maleRB"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="Male" />

            <RadioButton
                android:id="@+id/femaleRB"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="Female" />
        </RadioGroup>
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">
```

```xml
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Martial Status : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <Spinner
            android:id="@+id/martialSpinner"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="1" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Contact Number : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <EditText
            android:id="@+id/contactET"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="1"
            android:inputType="phone"
            android:maxLength="10" />
    </LinearLayout>
```

```xml
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginVertical="10dp"
    android:orientation="horizontal">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_weight="2"
        android:paddingVertical="10dp"
        android:text="Reg. Time : "
        android:textColor="@color/black"
        android:textSize="20sp"
        android:textStyle="bold"
        android:typeface="serif" />

    <TimePicker
        android:id="@+id/regTP"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:timePickerMode="spinner" />
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginVertical="10dp"
    android:orientation="horizontal">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_weight="2"
        android:paddingVertical="10dp"
        android:text="Addiction : "
        android:textColor="@color/black"
        android:textSize="20sp"
        android:textStyle="bold"
        android:typeface="serif" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
```

```
                android:orientation="horizontal">

                <CheckBox
                    android:id="@+id/alcoholCB"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_gravity="center"
                    android:layout_weight="1"
                    android:text="Alcohol" />

                <CheckBox
                    android:id="@+id/smokingCB"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_gravity="center"
                    android:layout_weight="1"
                    android:text="Smoking" />
            </LinearLayout>
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:paddingTop="10dp">

            <Button
                android:id="@+id/submitBT"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="5dp"
                android:layout_weight="1"
                android:text="Submit" />

            <Button
                android:id="@+id/resetBT"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="5dp"
                android:layout_weight="1"
                android:text="Reset" />
        </LinearLayout>
    </LinearLayout>
</ScrollView>
```

Tableview.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
```

```xml
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:orientation="vertical"
        android:padding="30dp"
        tools:ignore="ObsoleteLayoutParam">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center_horizontal"
            android:paddingVertical="20dp"
            android:text="@string/hospital_registration"
            android:textAlignment="center"
            android:textColor="@color/black"
            android:textSize="30sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginVertical="10dp"
            android:orientation="horizontal">

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="2"
                android:paddingVertical="10dp"
                android:text="@string/name"
                android:textColor="@color/black"
                android:textSize="20sp"
                android:textStyle="bold"
                android:typeface="serif" />

            <EditText
                android:id="@+id/nameET"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:focusedByDefault="true"/>
```

```xml
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Address : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <EditText
            android:id="@+id/addressET"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:lines="3" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Age : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

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

```xml
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:inputType="number"
        android:maxLength="2"/>
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginVertical="10dp"
    android:orientation="horizontal">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_weight="2"
        android:paddingVertical="10dp"
        android:text="DOB : "
        android:textColor="@color/black"
        android:textSize="20sp"
        android:textStyle="bold"
        android:typeface="serif" />

    <DatePicker
        android:id="@+id/dobDP"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:calendarViewShown="false"
        android:datePickerMode="spinner" />
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginVertical="10dp"
    android:orientation="horizontal">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="2"
        android:paddingVertical="10dp"
        android:text="Gender : "
        android:textColor="@color/black"
        android:textSize="20sp"
```

```xml
            android:textStyle="bold"
            android:typeface="serif" />

        <RadioGroup
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="1"
            android:orientation="horizontal">

            <RadioButton
                android:id="@+id/maleRB"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="Male" />

            <RadioButton
                android:id="@+id/femaleRB"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="Female" />
        </RadioGroup>
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Martial Status : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <Spinner
            android:id="@+id/martialSpinner"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
```

```xml
            android:layout_gravity="center"
            android:layout_weight="1" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Contact Number : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
            android:typeface="serif" />

        <EditText
            android:id="@+id/contactET"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="1"
            android:inputType="phone"
            android:maxLength="10" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginVertical="10dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_weight="2"
            android:paddingVertical="10dp"
            android:text="Reg. Time : "
            android:textColor="@color/black"
            android:textSize="20sp"
            android:textStyle="bold"
```

```xml
                    android:typeface="serif" />

            <TimePicker
                android:id="@+id/regTP"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:timePickerMode="spinner" />
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginVertical="10dp"
            android:orientation="horizontal">

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_gravity="center"
                android:layout_weight="2"
                android:paddingVertical="10dp"
                android:text="Addiction : "
                android:textColor="@color/black"
                android:textSize="20sp"
                android:textStyle="bold"
                android:typeface="serif" />

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:orientation="horizontal">

                <CheckBox
                    android:id="@+id/alcoholCB"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_gravity="center"
                    android:layout_weight="1"
                    android:text="Alcohol" />

                <CheckBox
                    android:id="@+id/smokingCB"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_gravity="center"
                    android:layout_weight="1"
```

```xml
                    android:text="Smoking" />
            </LinearLayout>
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:paddingTop="10dp">

            <Button
                android:id="@+id/submitBT"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="5dp"
                android:layout_weight="1"
                android:text="Submit" />

            <Button
                android:id="@+id/resetBT"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="5dp"
                android:layout_weight="1"
                android:text="Reset" />
        </LinearLayout>
    </LinearLayout>
</ScrollView>
```

Mainactivity.java:

```java
package com.example.ex1_hospital_registration;

import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.Spinner;
import android.widget.TimePicker;
import android.widget.Toast;
```

```java
import androidx.annotation.RequiresApi;
import androidx.appcompat.app.AppCompatActivity;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

    Spinner martialSpinner;
    EditText nameET;
    EditText addressET;
    EditText ageET;
    DatePicker dobDP;
    RadioButton maleRB;
    RadioButton femaleRB;
    EditText contactET;
    TimePicker regTP;
    CheckBox alcoholCB;
    CheckBox smokingCB;
    Button submitBT;
    Button resetBT;
    UserData userdata;
    ArrayList<String> addiction;
    String martial;
    String gender;


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        martialSpinner = findViewById(R.id.martialSpinner);
        nameET = findViewById(R.id.nameET);
        addressET = findViewById(R.id.addressET);
        ageET = findViewById(R.id.ageET);
        dobDP = findViewById(R.id.dobDP);
        maleRB = findViewById(R.id.maleRB);
        femaleRB = findViewById(R.id.femaleRB);
        contactET = findViewById(R.id.contactET);
        regTP = findViewById(R.id.regTP);
        alcoholCB = findViewById(R.id.alcoholCB);
        smokingCB = findViewById(R.id.smokingCB);
        submitBT = findViewById(R.id.submitBT);
        resetBT = findViewById(R.id.resetBT);

        addiction = new ArrayList<>();

        ArrayAdapter<CharSequence> adapter;
```

```java
        adapter = ArrayAdapter.createFromResource(this,
R.array.martial_status, android.R.layout.simple_spinner_item);
        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdo
wn_item);
        martialSpinner.setAdapter(adapter);
        martialSpinner.setOnItemSelectedListener(new
AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> adapterView, View view,
int i, long l) {
                martial = adapterView.getItemAtPosition(i).toString();
            }

            @Override
            public void onNothingSelected(AdapterView<?> adapterView) {

            }
        });

        submitBT.setOnClickListener(new View.OnClickListener() {
            @RequiresApi(api = Build.VERSION_CODES.M)
            @Override
            public void onClick(View view) {
                if
(nameET.getText().length()!=0&&addressET.getText().length()!=0&&
                        ageET.getText().length()!=0&&(maleRB.isChecked()||fema
leRB.isChecked())&&
                        contactET.getText().length()==10) {
                    if (maleRB.isChecked()) {
                        gender = new String("male");
                    }
                    if (femaleRB.isChecked()) {
                        gender = new String("female");
                    }
                    if (alcoholCB.isChecked()) {
                        addiction.add("Alcohol");
                    }
                    if (smokingCB.isChecked()) {
                        addiction.add("Smoking");
                    }
                    userdata = new UserData(nameET.getText().toString(),
                            addressET.getText().toString(),
                            Integer.parseInt(ageET.getText().toString()),
                            dobDP.getDayOfMonth() + "-" + dobDP.getMonth() +
"-" + dobDP.getYear(),

                            gender,
                            contactET.getText().toString(),
                            martial,
```

```java
                            regTP.getHour() + ":" + regTP.getMinute(),
                            addiction);
//                  Log.d("bug", userdata.toString());
                    Intent data = new
Intent(MainActivity.this,DataViewActivity.class);
                    data.putExtra("data",userdata);
                    startActivity(data);
                }else{
                    Toast.makeText(MainActivity.this, "Please fill all the
details correctly!", Toast.LENGTH_SHORT).show();
                }
            }
        });

        resetBT.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                nameET.setText("");
                addressET.setText("");
                ageET.setText("");
                maleRB.setChecked(false);
                femaleRB.setChecked(false);
                contactET.setText("");
                alcoholCB.setChecked(false);
                smokingCB.setChecked(false);
            }
        });
    }

    @Override
    protected void onRestart() {
        super.onRestart();
        nameET.setText("");
        addressET.setText("");
        ageET.setText("");
        maleRB.setChecked(false);
        femaleRB.setChecked(false);
        contactET.setText("");
        alcoholCB.setChecked(false);
        smokingCB.setChecked(false);
        addiction.clear();
    }
}
```

dataviewactivity.java:

```java
package com.example.ex1_hospital_registration;
```

```java
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class DataViewActivity extends AppCompatActivity {

    TextView nameTV;
    TextView addressTV;
    TextView ageTV;
    TextView dobTV;
    TextView genderTV;
    TextView martialTV;
    TextView contactTV;
    TextView regTV;
    TextView addictionTV;
    Button backBT;
    UserData userdata;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.table_view);
        nameTV=findViewById(R.id.nameTV);
        addressTV=findViewById(R.id.addressTV);
        ageTV=findViewById(R.id.ageTV);
        dobTV=findViewById(R.id.dobTV);
        genderTV=findViewById(R.id.genderTV);
        martialTV=findViewById(R.id.martialTV);
        contactTV=findViewById(R.id.contactTV);
        regTV=findViewById(R.id.regTV);
        addictionTV=findViewById(R.id.addictionTV);
        backBT=findViewById(R.id.backBT);

        Intent data = getIntent();
        userdata = (UserData) data.getSerializableExtra("data");
        nameTV.setText(userdata.getName());
        addressTV.setText(userdata.getAddress());
        ageTV.setText(String.valueOf(userdata.getAge()));
        dobTV.setText(userdata.getDob());
        genderTV.setText(userdata.getGender());
        martialTV.setText(userdata.getMartial());
        contactTV.setText(userdata.getContact());
        regTV.setText(userdata.getReg());
        if(userdata.getAddiction().size()==0){
```

```java
            addictionTV.setText("None");
        }else {
            String addiction="";
            for(String i:userdata.getAddiction()){
                addiction+=i+", ";
            }
            addictionTV.setText(addiction);
        }
        backBT.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                finish();
            }
        });
    }
}
```

useractivity.java:

```java
package com.example.ex1_hospital_registration;

import java.io.Serializable;
import java.util.ArrayList;

public class UserData implements Serializable{
    private String name;
    private String address;
    private int age;
    private String dob;
    private String gender;
    private String martial;
    private String contact;
    private String reg;
    private ArrayList<String> addiction;

    public UserData(String name, String address, int age, String dob, String
gender, String martial, String contact, String reg, ArrayList<String>
addiction) {
        this.name = name;
        this.address = address;
        this.age = age;
        this.dob = dob;
        this.gender = gender;
        this.martial = martial;
        this.contact = contact;
        this.reg = reg;
        this.addiction = addiction;
```

```java
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getAddress() {
        return address;
    }

    public void setAddress(String address) {
        this.address = address;
    }

    public int getAge() {
        return age;
    }

    public void setAge(int age) {
        this.age = age;
    }

    public String getDob() {
        return dob;
    }

    public void setDob(String dob) {
        this.dob = dob;
    }

    public String getGender() {
        return gender;
    }

    public void setGender(String gender) {
        this.gender = gender;
    }

    public String getMartial() {
        return martial;
    }

    public void setMartial(String martial) {
        this.martial = martial;
```

```java
    }

    public String getContact() {
        return contact;
    }

    public void setContact(String contact) {
        this.contact = contact;
    }

    public String getReg() {
        return reg;
    }

    public void setReg(String reg) {
        this.reg = reg;
    }

    public ArrayList<String> getAddiction() {
        return addiction;
    }

    public void setAddiction(ArrayList<String> addiction) {
        this.addiction = addiction;
    }

    @Override
    public String toString() {
        return "UserData{" +
                "name='" + name + '\'' +
                ", address='" + address + '\'' +
                ", age=" + age +
                ", dob='" + dob + '\'' +
                ", gender='" + gender + '\'' +
                ", martial='" + martial + '\'' +
                ", contact='" + contact + '\'' +
                ", reg='" + reg + '\'' +
                ", addiction=" + addiction +
                '}';
    }
}
```

Outputs:

Hospital Registration

Name :   ramesh

Address :   no-3, adyar

Age :   25

DOB :
Jun	22	1995
Jul	23	1996
Aug	24	1997

Gender :   ● Male   ○ Female

Martial Status :   Married ▼

| Aug | 24 | 1997 |

Gender :   ● Male   ○ Female

Martial Status :   Married ▼

Contact Number :   9999999999

Reg. Time :
10	46	
11	47	AM
12	48	PM

Addiction :   ☑ Alcohol   ☐ Smoking

SUBMIT   RESET

User Details

Name :   ramesh

Address :   no-3, adyar

Age :   25

DOB :   23-6-1996

Gender :   male

Martial Status :   9999999999

Contact Number :   Married

Reg. Time :   11:47

Addiction :   Alcohol,