



PRESIDENCY UNIVERSITY

Mobile application development(CSE 3075)

20211CSE0223

SNEHA.R

5CSE4

Experiment 6: Cake App

1.Design (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"
android:background="@drawable/img"
tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="135dp"
        android:layout_height="0dp"
        android:layout_marginTop="27dp"
        android:layout_marginBottom="21dp"
        android:text="Cake App"
        android:textColor="#4E190C"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/editTextText"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.409"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="1.0" />

    <EditText
        android:id="@+id/editTextText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="6dp"
        android:ems="10"
        android:hint="Enter name/phonenumber:"
        android:inputType="text"
        app:layout_constraintBottom_toTopOf="@+id/textView2"
        app:layout_constraintEnd_toEndOf="@+id/textView"
```

```
app:layout_constraintStart_toStartOf="@+id/textView"  
app:layout_constraintTop_toBottomOf="@+id/textView" />
```

<EditText

```
android:id="@+id/editTextText2"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginBottom="13dp"  
android:ems="10"  
android:hint="Date of delivery"  
android:inputType="text"  
app:layout_constraintBottom_toTopOf="@+id/editTextText3"  
app:layout_constraintEnd_toEndOf="@+id/spinner"  
app:layout_constraintStart_toStartOf="@+id/spinner"  
app:layout_constraintTop_toBottomOf="@+id/spinner" />
```

<TextView

```
android:id="@+id/textView2"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginBottom="28dp"  
android:text="Variety"  
android:textColor="#FF5722"  
android:textStyle="bold"  
app:layout_constraintBottom_toTopOf="@+id/spinner"  
app:layout_constraintEnd_toEndOf="@+id/editTextText"  
app:layout_constraintStart_toStartOf="@+id/editTextText"  
app:layout_constraintTop_toBottomOf="@+id/editTextText" />
```

<Spinner

```
android:id="@+id/spinner"  
android:layout_width="211dp"  
android:layout_height="0dp"  
android:layout_marginBottom="30dp"  
app:layout_constraintBottom_toTopOf="@+id/editTextText2"  
app:layout_constraintEnd_toEndOf="@+id/textView2"  
app:layout_constraintStart_toStartOf="@+id/textView2"  
app:layout_constraintTop_toBottomOf="@+id/textView2" />
```

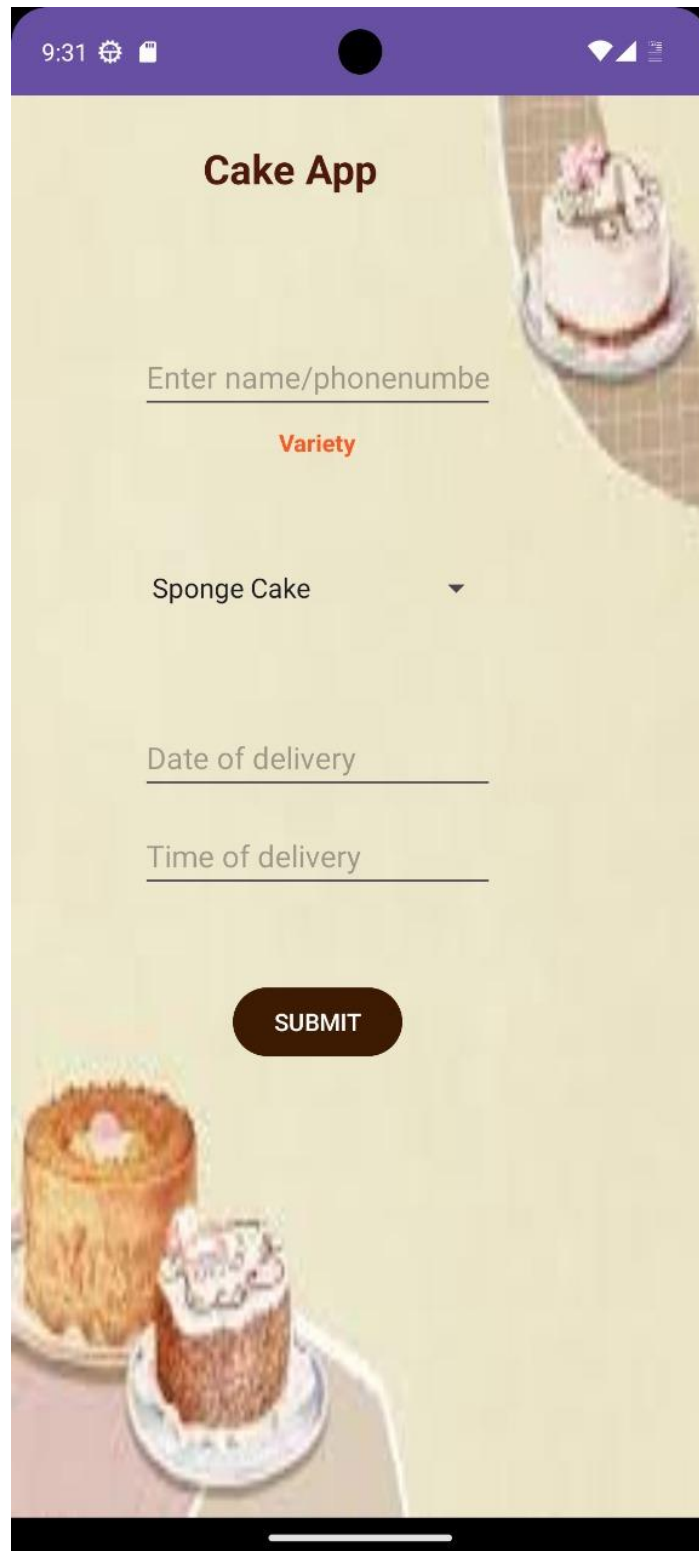
<EditText

```
android:id="@+id/editTextText3"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginBottom="51dp"  
android:ems="10"  
android:hint="Time of delivery"  
android:inputType="text"  
app:layout_constraintBottom_toTopOf="@+id/button"  
app:layout_constraintEnd_toEndOf="@+id/editTextText2"  
app:layout_constraintStart_toStartOf="@+id/editTextText2"  
app:layout_constraintTop_toBottomOf="@+id/editTextText2" />
```

<Button

```
android:id="@+id/button"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginBottom="268dp"  
android:backgroundTint="#3C1B02"  
android:text="SUBMIT"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="@+id/editTextText3"
```

```
app:layout_constraintStart_toStartOf="@+id/editTextText3"  
app:layout_constraintTop_toBottomOf="@+id/editTextText3" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```



2.JAVA File (MainActivity.java)

```
package com.example.cakeapp_0223;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;
import android.app.TimePickerDialog;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.TimePicker;
import android.widget.Toast;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity {
    EditText editTextText;
    EditText editTextText2;
    EditText editTextText3;
    Spinner spinner;
    Button button;
    String selected;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        editTextText=findViewById(R.id.editTextText);
        editTextText2=findViewById(R.id.editTextText2);
        editTextText3=findViewById(R.id.editTextText3);
        spinner=findViewById(R.id.spinner);
        button=findViewById(R.id.button);
        ArrayAdapter adapter=new ArrayAdapter(this,
        android.R.layout.simple_spinner_dropdown_item, getResources().getTextArray(R.array.variety));

        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner.setAdapter(adapter);
        spinner.setOnItemSelectedListener(new
        AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemClick(AdapterView<?> adapterView, View
            view, int i, long l) {
                selected=adapterView.getItemAtPosition(i).toString();
            }

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

```

    });
    editTextText2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Calendar c=Calendar.getInstance();
            int pYear=c.get(Calendar.YEAR);
            int pMonth=c.get(Calendar.MONTH);
            int pDate=c.get(Calendar.DATE);
            DatePickerDialog datePickerDialog=new
DatePickerDialog(MainActivity.this,
android.R.style.Theme_DeviceDefault_DialogWhenLarge, new
DatePickerDialog.OnDateSetListener() {
                @Override
                public void onDateSet(DatePicker datePicker, int i, int
i1, int i2) {
                    editTextText2.setText(i2+"/"+(i1+1)+"/"+i);
                }
            },pYear,pMonth,pDate);
            datePickerDialog.show();
        }
    });
    editTextText3.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Calendar c1 = Calendar.getInstance();
            int pHour = c1.get(Calendar.HOUR);
            int pMinute = c1.get(Calendar.MINUTE);
            TimePickerDialog timePickerDialog = new
TimePickerDialog(MainActivity.this, android.R.style.Theme_Black, new
TimePickerDialog.OnTimeSetListener() {
                @Override
                public void onTimeSet(TimePicker timePicker, int i, int
i1) {
                    editTextText3.setText(i + ":" + i1);
                }
            }, pHour, pMinute, false);
            timePickerDialog.show();
        }
    });
    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            String name2=editTextText.getText().toString();
            String variety2=selected;
            String date2=editTextText2.getText().toString();
            String time2=editTextText3.getText().toString();

Toast.makeText(MainActivity.this,name2+variety2+date2+time2,Toast.LENGTH_LO
NG).show();

            Intent intent=new Intent(MainActivity.this,
MainActivity2.class);
            String name=editTextText.getText().toString();
            String variety1=selected;
            String date1=editTextText2.getText().toString();
            String time1=editTextText3.getText().toString();
            intent.putExtra("Name",name);
            intent.putExtra("Variety",variety1);
            intent.putExtra("Date",date1);
            intent.putExtra("Time",time1);
            startActivity(intent);

```

```

    }
    });
}
}

```

3.Design of second activity (activity_main2.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"
android:background="@drawable/img_1"
tools:context=".MainActivity2">

    <TextView
        android:id="@+id/textView3"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_marginStart="46dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="46dp"
        android:layout_marginBottom="88dp"
        android:fontFamily="cursive"
        android:text="Customer order details"
        android:textColor="@color/black"
        android:textSize="34sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/textView4"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_marginStart="46dp"
        android:layout_marginEnd="46dp"
        android:layout_marginBottom="401dp"
        android:text="Details"
        android:textColor="#195C01"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView3" />
</androidx.constraintlayout.widget.ConstraintLayout>

```



4.JAVA File (MainActivity2.java)

```
package com.example.cakeapp_0223;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity2 extends AppCompatActivity {
    TextView textView4;

    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        textView4=findViewById(R.id.textview4);
        Intent intent=getIntent();
        String name=intent.getStringExtra("Name");
        String variety1=intent.getStringExtra("Variety");
        String date1=intent.getStringExtra("Date");
        String time1=intent.getStringExtra("Time");

        Toast.makeText(MainActivity2.this,name+variety1+date1+time1,Toast.LENGTH_LONG).show();
        textView4.setText("Name: "+name+"\nThe cake ordered is "+variety1+"\nDate of delivery: "+date1+"\nTime of delivery: "+time1);
    }
}
```

AndroidManifest.xml

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

    <application
```

```

        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.CakeApp_0223"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity2"
            android:exported="false" />
        <activity
            android:name=".MainActivity"
            android:exported="true"
            android:icon="@mipmap/img">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER"
            />
            </intent-filter>
        </activity>
    </application>
</manifest>

```

Strings.xml

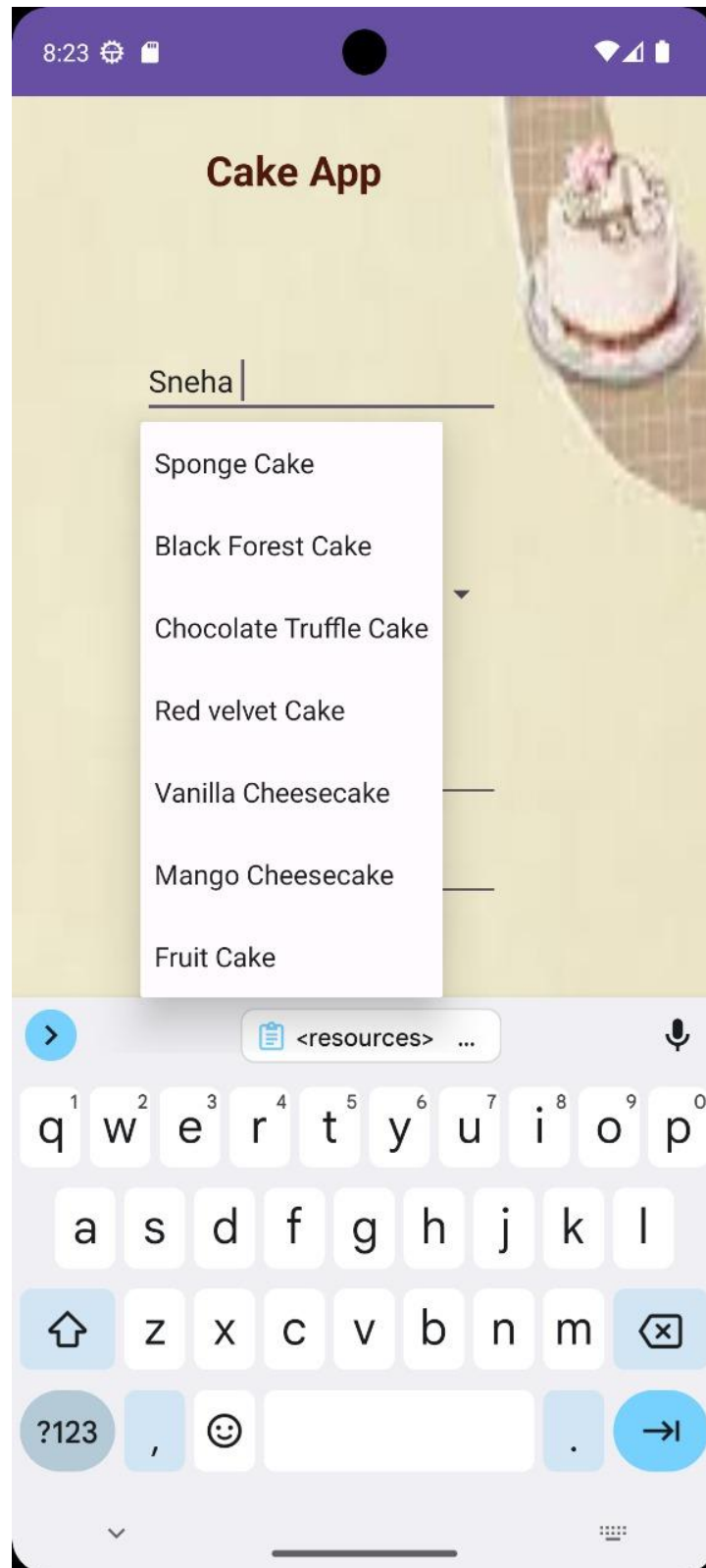
```

<resources>
    <string name="app_name">CakeApp_0223</string>
    <string-array name="variety">
        <item>Sponge Cake</item>
        <item>Black Forest Cake</item>
        <item>Chocolate Truffle Cake</item>
        <item>Red velvet Cake</item>
        <item>Vanilla Cheesecake</item>
        <item>Mango Cheesecake</item>
        <item>Fruit Cake</item>
    </string-array>
</resources>

```

5.Output in the emulator





8:24



2023

Fri, Oct 13



October 2023



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Cancel

OK

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OK

Cancel

8:26



Cake App

Sneha

Variety

Chocolate Truffle C..



13/10/2023

16:15

SUBMIT



9:20



Customer order details

Name: Sneha

**The cake ordered is Chocolate
Truffle Cake**

Date of delivery: 13/10/2023

Time of delivery: 16:15



**Sneha Chocolate Truffle
Cake13/10/202316:15**