



THE STATE UNIVERSITY OF ZANZIBAR (SUZA)

SCHOOL OF COMPUTING COMMUNICATION AND MEDIA STUDIES

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

FINAL YEAR PROJECT PROGRESSIVE REPORT

TITLE NAME : MOBILE APPLICATION DEVELOPMENT

COURSE CODE: DCS/DINF 0223.

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REGISTRATION: DIT/13/23/001/TZ

ACADEMIC YEAR: 2024/2025.

SEMESTER: SECOND YEAR ,SECOND SEMESTER.

COURSE INSTRUCTURE : MR AKRAM.

QUESTION: Lab5 questions;

QN:1

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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="#DFDDC1"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <Spinner
        android:layout_marginTop="20dp"
        android:id="@+id/spinner"

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:entries="@array/options" />
</LinearLayout>
```

strings.xml

```
<resources>
    <string name="app_name">Spinner</string>
    <string name="this_is_screen_of_option_1">This is Screen of Option
1</string>
    <string-array name="options">
        <item>Option 1</item>
        <item>Option 2</item>
        <item>Option 3</item>
        <item>Option 4</item>
    </string-array>
</resources>
```

MainActivity.java

```
package com.example.lab5;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.AdapterView.OnItemSelectedListener;
import android.widget.Spinner;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        Spinner spinner = findViewById(R.id.spinner);

        spinner.setOnItemSelectedListener(new
```

```

AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> parent, View view,
int position, long id) {
        String selectedItem =
parent.getItemAtPosition(position).toString();

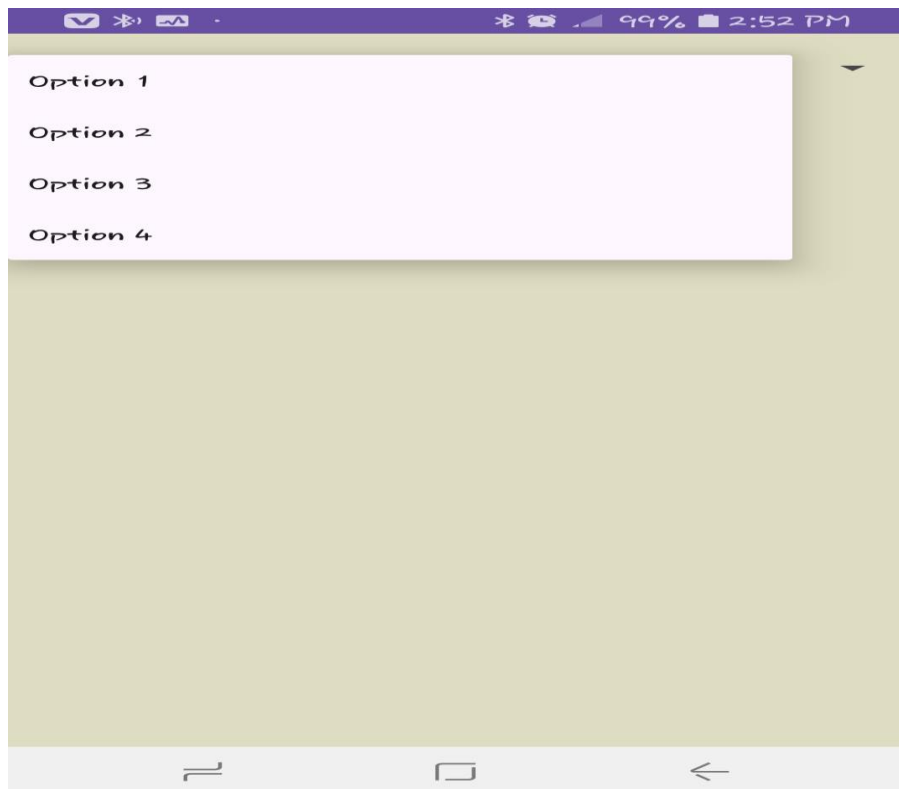
        if (selectedItem.equals("Option 1")) {
            startActivity(new Intent(MainActivity.this,
Option1Activity.class));
        } else if (selectedItem.equals("Option 2")) {
            startActivity(new Intent(MainActivity.this,
Option2Activity.class));
        } else if (selectedItem.equals("Option 3")) {
            startActivity(new Intent(MainActivity.this,
Option3Activity.class));
        } else if (selectedItem.equals("Option 4")) {
            startActivity(new Intent(MainActivity.this,
Option4Activity.class));
        }
    }

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

});
}
}

```

OUTPUT:



QN:1

activity_option1.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:background="#DDDDF7"
    android:gravity="center">

    <TextView
        android:text="@string/this_is_screen_of_option_1"
        android:textSize="24sp"
        android:textColor="#000"
        android:textAlignment="center"
        android:paddingTop="20dp"
        android:textStyle="bold"
        android:layout_height="match_parent"
        android:layout_width="wrap_content"/>

</LinearLayout>
```

Option1Activity.Java

```
package com.example.lab5;

import android.os.Bundle;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class Option1Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_option1);
    }
}
```

OUTPUT:



activity_option2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:background="#FDD2DD"
    android:gravity="center">

    <TextView
        android:text="This is Screen of Option 2 "
        android:textSize="24sp"
        android:textColor="#000"
        android:textAlignment="center"
        android:paddingTop="20dp"
        android:textStyle="bold"
        android:layout_height="match_parent"
        android:layout_width="wrap_content"/>

</LinearLayout>
```

Option2Activity.Java

```
package com.example.lab5;

import android.os.Bundle;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
```

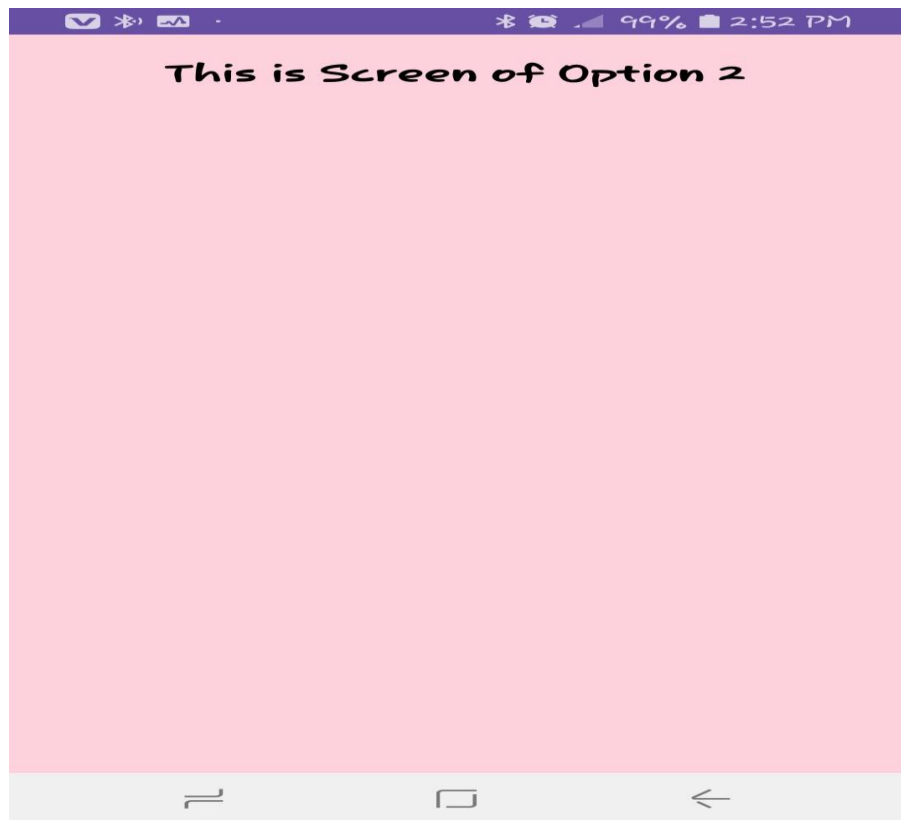
```

public class Option1Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_option3);
    }
}

```

OUTPUT:



activity_option3.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:background="#FFFD01"
    android:gravity="center">

    <TextView
        android:text="This is Screen of Option 3 "
        android:textSize="24dp"
        android:textColor="#000"
        android:textStyle="bold"
        android:textAlignment="center"
        android:paddingTop="20dp"
        android:layout_height="match_parent"
    >

```

```
        android:layout_width="wrap_content"/>
    </LinearLayout>
```

Option3Activity.Java

```
package com.example.lab5;

import android.os.Bundle;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class Option1Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_option1);
    }
}
```

OUTPUT:



activity_option4.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:background="#F9DDDD"
    android:gravity="center">
```

```
<TextView
    android:text="This is Screen of Option 4 "
    android:textSize="24sp"
    android:textColor="#000"
    android:textAlignment="center"
    android:textStyle="bold"
    android:paddingTop="20dp"
    android:layout_height="match_parent"
    android:layout_width="wrap_content"/>

</LinearLayout>
```

Option4Activity.Java

```
package com.example.lab5;

import android.os.Bundle;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class Option1Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_option4);
    }
}
```

OUTPUT:

