

CSE 4002 – MOBILE APPLICATION DEVELOPMENT

LAB TEST

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MainActivity.java

```
package com.example.a19bce7316;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.app.AlertDialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Toast;
import

com.google.android.material.floatingactionbutton.FloatingActionButton;
public class MainActivity extends AppCompatActivity {
    FloatingActionButton fab1,fab2,fab3;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        fab1=findViewById(R.id.fab);
        fab2=findViewById(R.id.fab2);
        fab3=findViewById(R.id.fab3);
        fab1.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v)
            {
                Intent intent= new Intent(MainActivity.this,
MainActivity2.class);
                startActivity(intent);
            }
        });
        fab2.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v)
            {
                showAlertDialog();
            }
        });
        fab3.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v)
            {
                long rotation = 90; //insert number of degrees here
                fab3.animate()
```

```

        .rotation(rotation)
        .setDuration(500) //500 is half a second
        .setStartDelay(100) //this is optional
        .start();
    }
});
}
private void showAlertDialog() {
    AlertDialog.Builder alertDialog = new
        AlertDialog.Builder(MainActivity.this);
    alertDialog.setTitle("Alert Dialog");
    alertDialog.setCancelable(false);
    alertDialog.setNegativeButton(
        "Cancel", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface, int
                which) {
                dialogInterface.cancel();
            }
        }
    );
    alertDialog.setPositiveButton(
        "Ok", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface, int
                which) {
                finish();
            }
        }
    );
    String[] items = {"Yes", "No"};
    int check = 1;
    alertDialog.setSingleChoiceItems(items, check, new
        DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface,
                int which)
            {
                switch(which) {
                    case 0:
                        String msg = "Yes";
                        Toast.makeText (MainActivity.this, "Yes
Clicked",
                                Toast.LENGTH_LONG ).show();
                        break;
                    case 1:
                        String msg1 = "No";
                        Toast.makeText (MainActivity.this, "No
Clicked",
                                Toast.LENGTH_LONG ).show();
                        break;
                }
            }
        }
    );
    AlertDialog alert = alertDialog.create();
    alert.setCanceledOnTouchOutside(false);
    alert.show();
}

```

```
}  
}
```

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="#F5F6F6"  
    tools:context=".MainActivity">  
    <com.google.android.material.floatingactionbutton.FloatingActionButton  
        android:id="@+id/fab"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_marginEnd="30dp"  
        android:layout_marginBottom="65dp"  
        android:clickable="true"  
        app:layout_constraintBottom_toTopOf="@+id/fab2"  
        app:layout_constraintEnd_toEndOf="parent"  
        app:srcCompat="@android:drawable/ic_input_add"  
        tools:ignore="SpeakableTextPresentCheck,SpeakableTextPresentCheck"  
    />  
    <com.google.android.material.floatingactionbutton.FloatingActionButton  
        android:id="@+id/fab2"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_marginEnd="28dp"  
        android:layout_marginBottom="232dp"  
        android:clickable="true"  
        app:layout_constraintBottom_toBottomOf="parent"  
        app:layout_constraintEnd_toEndOf="parent"  
        app:srcCompat="@android:drawable/ic_input_add"  
        tools:ignore="SpeakableTextPresentCheck,SpeakableTextPresentCheck"  
    />  
    <com.google.android.material.floatingactionbutton.FloatingActionButton  
        android:id="@+id/fab3"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_marginEnd="28dp"  
        android:layout_marginBottom="108dp"  
        android:clickable="true"  
        app:layout_constraintBottom_toBottomOf="parent"  
        app:layout_constraintEnd_toEndOf="parent"  
        app:srcCompat="@drawable/ic_baseline_back_hand_24"  
        tools:ignore="SpeakableTextPresentCheck,SpeakableTextPresentCheck"  
    />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity2.java

```

package com.example.a19bce7316;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.EditText;
public class MainActivity2 extends AppCompatActivity {
    EditText e1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        e1=findViewById(R.id.editTextTextPersonName );
        Intent i = getIntent();
        e1.setText("New Activity is popped");
    }
}

```

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"
    tools:context=".MainActivity2">
    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="316dp"
        android:layout_marginEnd="87dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:text="Name"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

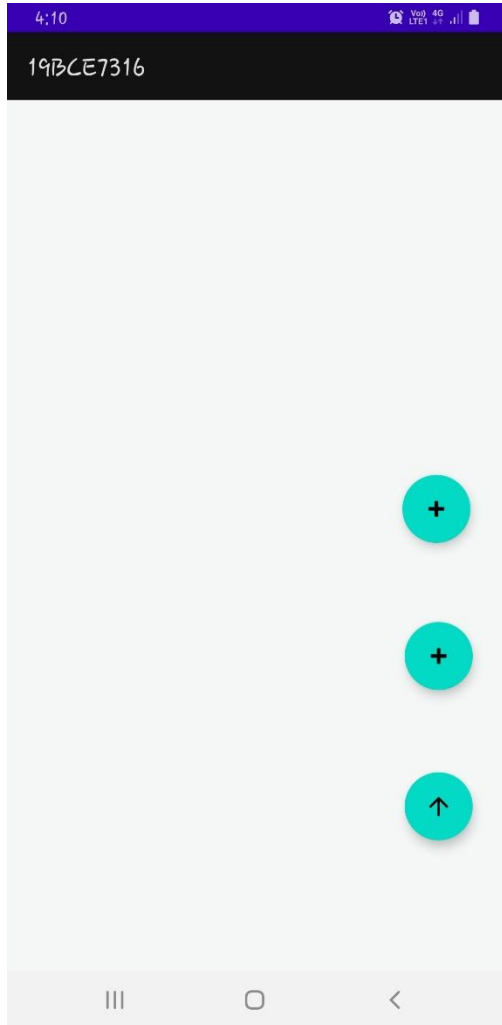
Strings.xml

```

<resources>
    <string android:name="app_name">19bce7591</string>
</resources>

```

OUTPUT:



4:10

VoLTE 4G LTE1 5T

19BCE7316

New Activity is popped



4:10

VoLTE 4G
LTE1

19BCE7316

Alert Dialog

☒ Yes

☐ No

CANCEL OK

+

↑

Yes Clicked



4:10

Voll 4G
LTE1

19BCE7316

