

## Lab Exercise 05: Option Menu

### ActivityMain.java

```
package com.example.lab05;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        MenuInflater inflater = getMenuInflater();
        inflater.inflate(R.menu.menu_items, menu);
        return super.onCreateOptionsMenu(menu);
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        TextView textView = findViewById(R.id.text_view);

        switch (item.getItemId()) {
            case R.id.new_group:
                textView.setText("New Group");
                return true;
            case R.id.new_broadcast:
                textView.setText("New Broadcast");
                return true;
            case R.id.linked_devices:
                textView.setText("Linked Devices");
                return true;
            case R.id.starred_messages:
                textView.setText("Starred Messages");
                return true;
            case R.id.payments:
                textView.setText("Payments");
                return true;
            case R.id.settings:
                textView.setText("Settings");
                return true;
        }
        return super.onOptionsItemSelected(item);
    }
}
```

## menu\_items.xml

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

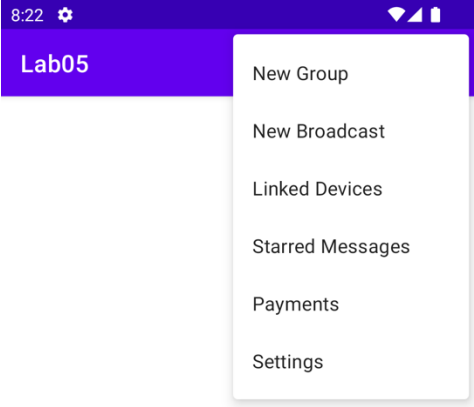
    <item
        android:id="@+id/new_group"
        android:title="@string/new_group" />
    <item
        android:id="@+id/new_broadcast"
        android:title="@string/new_broadcast" />
    <item
        android:id="@+id/linked_devices"
        android:title="@string/linked_devices" />
    <item
        android:id="@+id/starred_messages"
        android:title="@string/starred_messages" />
    <item
        android:id="@+id/payments"
        android:title="@string/payments" />
    <item
        android:id="@+id/settings"
        android:title="@string/settings" />
</menu>
```

## 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="wrap_content"
        android:layout_height="wrap_content"
        android:textColor="#000000"
        android:textSize="34sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```



New Group

Payments

