**MainActivity.java**

**package** com.example.customdialogbox;

**import** androidx.appcompat.app.AppCompatActivity;

**import** android.app.Dialog;

**import** android.os.Bundle;

**import** android.view.ContextMenu;

**import** android.view.Menu;

**import** android.view.MenuInflater;

**import** android.view.MenuItem;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.EditText;

**import** android.widget.PopupMenu;

**import** android.widget.TextView;

**import** android.widget.Toast;

**import** androidx.appcompat.app.AppCompatActivity;

**import** org.w3c.dom.Text;

**public class** MainActivity **extends** AppCompatActivity **implements** PopupMenu.OnMenuItemClickListener{

Button **btn**;

EditText **editText**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

*//comtext menu programming*

TextView textView = findViewById(R.id.***contextMenu***);

registerForContextMenu(textView);

**editText** = findViewById(R.id.***name***);

**btn** = findViewById(R.id.***submit***);

**btn**.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View view) {

String name = **editText**.getText().toString();

*//declare dialog here*

**final** Dialog dialog = **new** Dialog(MainActivity.**this**);

dialog.setContentView(R.layout.***custom\_dialog\_layout***);

*//accessing the button of the dialog*

Button button = dialog.findViewById(R.id.***ok***);

*//setting the onClick listener of this dialog's button*

button.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View view) {

Toast.*makeText*(getApplicationContext(), **"Submitted"**, Toast.***LENGTH\_SHORT***);

dialog.dismiss();

}

});

dialog.show();

}

});

}

**public void** showPopup(View v){

PopupMenu popup = **new** PopupMenu(**this**, v);

popup.setOnMenuItemClickListener(**this**);

popup.inflate(R.menu.***popup\_menu***);

popup.show();

}

@Override

**public boolean** onMenuItemClick(MenuItem item){

**switch**(item.getItemId()){

**case** R.id.***item1***:

Toast.*makeText*(**this**, **"Item1 clicked"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**case** R.id.***item2***:

Toast.*makeText*(**this**, **"Item2 clicked"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**case** R.id.***item3***:

Toast.*makeText*(**this**, **"Item3 clicked"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**default**: **return false**;

}

}

@Override

**public void** onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo){

**super**.onCreateContextMenu(menu, v, menuInfo);

menu.setHeaderTitle(**"Choose from context menu"**);

getMenuInflater().inflate(R.menu.***example\_menu***, menu);

}

@Override

**public boolean** onContextItemSelected(MenuItem item){

**switch**(item.getItemId()){

**case** R.id.***option1***:

Toast.*makeText*(getApplicationContext(), **"option 1 selected"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**case** R.id.***option2***:

Toast.*makeText*(getApplicationContext(), **"option 2 selected"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**default**:**return false**;

}

}

@Override

**public boolean** onCreateOptionsMenu(Menu menu){

MenuInflater inflater = getMenuInflater();

inflater.inflate(R.menu.***example\_option\_menu***, menu);

**return true**;

}

@Override

**public boolean** onOptionsItemSelected(MenuItem item){

**switch**(item.getItemId()){

**case** R.id.***option1***:

Toast.*makeText*(**this**, **"Option1 selected"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**case** R.id.***option2***:

Toast.*makeText*(**this**, **"Option2 selected"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**case** R.id.***option3***:

Toast.*makeText*(**this**, **"Option3 selected"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**case** R.id.***option4***:

Toast.*makeText*(**this**, **"Option4 selected"**, Toast.***LENGTH\_SHORT***).show();

**return true**;

**default**: **return false**;

}

}

}

**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:orientation="vertical"**

**tools:context=".MainActivity"**>

<**EditText**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:hint="Enter your name"**

**android:id="@+id/name"**/>

<**TextView**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/contextMenu"**

**android:text="This is a context menu, long press here"**

/>

<**Button**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/popup"**

**android:text ="select from popup"**

**android:onClick = "showPopup"**

/>

<**Button**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:text="submit"**

**android:id="@+id/submit"**/>

</**LinearLayout**>

//create a menu directory in the res folder, and create the menu resource files in that folder

**example\_menu.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*

<**menu xmlns:android="http://schemas.android.com/apk/res/android"**>

<**item android:title="Option1"**

**android:id="@+id/option1"**/>

<**item android:title="Option2"**

**android:id="@+id/option2"**/>

<**item android:title="Option3"**

**android:id="@+id/option3"**>

<**menu**>

<**item android:id="@+id/option4"**

**android:title="option4"**/>

<**item android:id="@+id/option5"**

**android:title="option5"**/>

</**menu**>

</**item**>

</**menu**>

**custom\_dialog\_layout.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="wrap\_content"**

**android:orientation="vertical"**

**android:background="@color/purple\_200"**>

<**ImageView**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:src="@drawable/baseline\_cloud\_done\_24"**/>

<**LinearLayout**

**android:orientation="vertical"**

**android:background="@color/white"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**>

<**TextView**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="Success"**

**android:textStyle="bold"**

/>

<**TextView**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="Your registration is succesful"**/>

<**Button**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="OK"**

**android:backgroundTint="@color/teal\_200"**

**android:id="@+id/ok"**/>

</**LinearLayout**>

</**LinearLayout**>

**popup\_menu.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<menu xmlns:android="http://schemas.android.com/apk/res/android">

<item android:id = "@+id/item1"

android:title="Item1"/>

<item android:id = "@+id/item2"

android:title="Item2"/>

<item android:id = "@+id/item3"

android:title="Item3"/>

</menu>