

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">

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/main_toolbar"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:background="#8844EA"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        tools:ignore="MissingConstraints">

</androidx.appcompat.widget.Toolbar>

    <TextView
        android:id="@+id/textview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Long Press me"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.161" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="7dp"
        android:layout_marginTop="64dp"
        android:text="Pop Up "
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.477"
```

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

```
<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="60dp"
    android:text="Dialog"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=""
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.588" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=""
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4"
    app:layout_constraintVertical_bias="0.156" />
```

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

Layout_dialogue.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">
```

```
<EditText
    android:id="@+id/editTextTextPassword"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:hint="Password"
    android:inputType="textPassword"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.38" />
```

```
<EditText
    android:id="@+id/editTextText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:hint="Username"
    android:inputType="text"
    app:layout_constraintBottom_toTopOf="@+id/editTextTextPassword"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.675" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Context_manu.xml

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:id="@+id/optionitem1"
        android:title="View Profile"/>
```

```
<item android:id="@+id/optionitem2"
      android:title="Chat Theme"/>
<item android:id="@+id/optionitem3"
      android:title="Search"/>

<item android:id="@+id/optionitem4"
      android:title="New group"/>
<item android:id="@+id/optionitem5"
      android:title="Linked Devices"/>
<item android:id="@+id/optionitem6"
      android:title="Settings"/>

</menu>
```

Example_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="Share"/>
    <item
        android:id="@+id/item2"
        android:title="Delete"/>

</menu>
```

Popup_menu.xml

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:id="@+id/java"
        android:title="Java" />

    <item
        android:id="@+id/kotlin"
        android:title="Kotlin" />

    <item
        android:id="@+id/android"
        android:title="Android" />

    <item
```

```
android:id="@+id/react_native"  
android:title="React Native"/>
```

```
</menu>
```

Mainactivity.java

```
package com.example.exp555;  
import androidx.annotation.NonNull;  
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.PopupMenu;  
import android.widget.TextView;  
import android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity implements  
Exampledialog.ExampleDialogListener{  
    Button btn,dialogbtn;  
    Dialog mydialog;  
    TextView textView1,textView2;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);
```

```
    setSupportActionBar(findViewById(R.id.main_toolbar));  
    TextView textView = findViewById(R.id.textview);  
    textView1 = findViewById(R.id.textView4);  
    textView2 = findViewById(R.id.textView5);  
    mydialog = new Dialog(this);
```

```

btn =findViewById(R.id.button);
btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        PopupMenu popupMenu = new PopupMenu(MainActivity.this, btn);

        // Inflating popup menu from popup_menu.xml file
        popupMenu.getMenuInflater().inflate(R.menu.popup_menu, popupMenu.getMenu());
        popupMenu.setOnMenuItemClickListener(new
PopupMenu.OnMenuItemClickListener() {
            @Override
            public boolean onMenuItemClick(MenuItem menuItem) {
                // Toast message on menu item clicked
                Toast.makeText(MainActivity.this, "You Clicked " + menuItem.getTitle(),
Toast.LENGTH_SHORT).show();
                return true;
            }
        });
        // Showing the popup menu
        popupMenu.show();
    }
});

```

```

dialogbtn = findViewById(R.id.button2);
dialogbtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Exampledialog exampleDialog= new Exampledialog();
        exampleDialog.show(getSupportFragmentManager(),"example dialog");
    }
});
registerForContextMenu(textView);

```

```

}

```

```

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

```

```

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    int id = item.getItemId();
    if(id == R.id.optionitem1)
    {
        Toast.makeText(this, "View Profile selected", Toast.LENGTH_SHORT).show();
        return true;
    }
    else if(id==R.id.optionitem2) {
        Toast.makeText(this, "Chat Theme selected", Toast.LENGTH_SHORT).show();
        return true;
    }
    else if(id==R.id.optionitem4) {
        Toast.makeText(this, "New group selected", Toast.LENGTH_SHORT).show();
        return true;
    }
    else if(id==R.id.optionitem3) {
        Toast.makeText(this, "Search selected", Toast.LENGTH_SHORT).show();
        return true;
    }
    else if(id==R.id.optionitem5) {
        Toast.makeText(this, "Linked devices selected", Toast.LENGTH_SHORT).show();
        return true;
    }
    else if(id==R.id.optionitem6) {
        Toast.makeText(this, "Settings selected", Toast.LENGTH_SHORT).show();
        return true;
    }
    else {
        return super.onOptionsItemSelected(item);
    }
}

```

```

@Override
public void onCreateContextMenu(ContextMenu menu, View v,
ContextMenu.ContextMenuInfo menuInfo) {
    super.onCreateContextMenu(menu, v, menuInfo);
    MenuInflater inflater = getMenuInflater();

    inflater.inflate(R.menu.context_menu,menu);
}

```

```

@Override
public boolean onContextItemSelected(@NonNull MenuItem item) {

    int id = item.getItemId();
    if(id == R.id.item1)
    {
        Toast.makeText(this, "Share selected", Toast.LENGTH_SHORT).show();
        return true;
    }
    else if(id==R.id.item2) {
        Toast.makeText(this, "Delete selected", Toast.LENGTH_SHORT).show();
        return true;
    }
    else {

        return super.onContextItemSelected(item);
    }
}

@Override
public void applyTexts(String username, String password) {
    textView1.setText(username);
    textView2.setText(password);
}
}

```

Exampledialogeu.java

```

package com.example.exp555;
import android.app.AlertDialog;
import android.app.Dialog;
import android.content.Context;
import android.content.DialogInterface;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.widget.EditText;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;

public class Exampledialog extends AppCompatActivity {

```



```

private EditText Username;
private EditText Password;

private ExampleDialogListener listener;

@NonNull
@Override

public Dialog onCreateDialog(@Nullable Bundle savedInstanceState) {
    AlertDialog.Builder builder = new AlertDialog.Builder(getActivity());

    LayoutInflater inflater = getActivity().getLayoutInflater();
    View view = inflater.inflate(R.layout.layout_dialog,null);
    builder.setView(view)
        .setTitle("Login")
        .setNegativeButton("cancel", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {

            }
        }).setPositiveButton("OK", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                String username = Username.getText().toString();
                String password = Password.getText().toString();
                listener.applyTexts(username,password);
            }
        });
    Username = view.findViewById(R.id.editTextText);
    Password = view.findViewById(R.id.editTextTextPassword);
    return builder.create();
}

@Override
public void onAttach(@NonNull Context context) {
    super.onAttach(context);
    listener =(ExampleDialogListener) context;
}

public interface ExampleDialogListener{
    void applyTexts(String username,String password);
}
}

```