# Lab Exercise 11: Explicit Intent

ActivityMain.java

package com.example.lab11;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.app.Activity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
 public void LoginCheck(View view) {  
 EditText username = findViewById(R.id.*loginUsername*);  
 EditText password = findViewById(R.id.*loginPassword*);  
  
 if (username.getText().toString().equals("thenishantgiri") && password.getText().toString().equals("rootpass")) {  
 Toast.*makeText*(this, "Successful Login", Toast.*LENGTH\_SHORT*).show();  
  
 Intent loginIntent = new Intent(this, Activity2.class);  
 String value = username.getText().toString();  
 loginIntent.putExtra("username", value);  
 startActivity(loginIntent);  
 } else {  
 Toast.*makeText*(this, "Unsuccessful Login", Toast.*LENGTH\_LONG*).show();  
 }  
 }  
}

strings.xml

<resources>  
 <string name="app\_name">Lab10</string>  
 <string name="login\_page">Login Page</string>  
 <string name="username">username</string>  
 <string name="password">password</string>  
 <string name="login">Login</string>  
 <string name="welcome">Welcome </string>  
 <string name="logout">Logout</string>  
</resources>

AndroidManifest.xml

*<?*xml version="1.0" encoding="utf-8"*?>*<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.lab11">  
  
 <application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.Lab11">  
 <activity  
 android:name=".Activity2"  
 android:exported="false"  
 android:label="Activity2"  
 android:theme="@style/Theme.Lab11" />  
  
 <activity  
 android:name=".MainActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 </application>  
  
</manifest>

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/text"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="serif"  
 android:text="@string/login\_page"  
 android:textSize="24sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.332" />  
  
 <EditText  
 android:id="@+id/loginUsername"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="30sp"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/username"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textColorHint="#757575"  
 app:layout\_constraintEnd\_toEndOf="@id/text"  
 app:layout\_constraintStart\_toStartOf="@id/text"  
 app:layout\_constraintTop\_toBottomOf="@+id/text" />  
  
 <EditText  
 android:id="@+id/loginPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/password"  
 android:importantForAutofill="no"  
 android:inputType="textPassword"  
 android:minHeight="48dp"  
 android:textColorHint="#757575"  
 app:layout\_constraintEnd\_toEndOf="@id/loginUsername"  
 app:layout\_constraintStart\_toStartOf="@id/loginUsername"  
 app:layout\_constraintTop\_toBottomOf="@id/loginUsername" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="30sp"  
 android:onClick="LoginCheck"  
 android:text="@string/login"  
 app:layout\_constraintEnd\_toEndOf="@id/loginPassword"  
 app:layout\_constraintStart\_toStartOf="@id/loginPassword"  
 app:layout\_constraintTop\_toBottomOf="@id/loginPassword" />  
   
</androidx.constraintlayout.widget.ConstraintLayout>

Activity2.java

package com.example.lab11;  
  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class Activity2 extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_2*);  
  
 TextView textView = findViewById(R.id.*welcomeMsg*);  
  
 Bundle myIntent = getIntent().getExtras();  
 String data = myIntent.getString("username");  
  
 textView.setText("Welcome " + data);  
  
 Button btn = findViewById(R.id.*logoutBtn*);  
  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 AlertDialog.Builder warning = new AlertDialog.Builder(Activity2.this);  
 warning.setTitle("Logout?");  
 warning.setMessage("Are you sure?");  
 warning.setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 Toast.*makeText*(Activity2.this, "Successful Logout", Toast.*LENGTH\_SHORT*).show();  
 Intent logout = new Intent(getApplicationContext(), MainActivity.class);  
 startActivity(logout);  
 }  
 });  
 warning.setNegativeButton("No", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 dialogInterface.dismiss();  
 }  
 });  
 AlertDialog alertObj = warning.create();  
 alertObj.show();  
 }  
 });  
 }  
}

activity\_2.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=".Activity2">  
  
 <TextView  
 android:id="@+id/welcomeMsg"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/welcome"  
 android:textSize="25sp"  
 android:textStyle="bold"  
 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="0.37" />  
  
 <Button  
 android:id="@+id/logoutBtn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/logout"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="@+id/welcomeMsg"  
 app:layout\_constraintHorizontal\_bias="0.545"  
 app:layout\_constraintStart\_toStartOf="@id/welcomeMsg"  
 app:layout\_constraintTop\_toBottomOf="@id/welcomeMsg"  
 app:layout\_constraintVertical\_bias="0.35" />  
</androidx.constraintlayout.widget.ConstraintLayout>

OUTPUT

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| Graphical user interface, application, Teams  Description automatically generated | Graphical user interface, application, Teams  Description automatically generated |