# Kontrole korisničkog sučelja

* **Button**

U Androidu upotrijebite klasu "android.widget.Button" za prikaz normalnog gumba.

Primjer kako prikazati normalan gumb, dodati zvuk klika prilikom pritiska na gumb, otvoriti URL u internetskom pregledniku vašeg Androida (lidl).

*<?***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"**>  
  
  
 <**Button  
 android:id="@+id/button1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="100dp"  
 android:layout\_marginTop="100dp"  
 android:layout\_marginEnd="200dp"  
 android:layout\_marginBottom="200dp"  
 android:text="Internet"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
 />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**package** com.example.myapplication;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.content.Intent;  
**import** android.net.Uri;  
**import** android.widget.Button;  
**import** android.view.View;  
**import** android.view.View.OnClickListener;  
**public class** MainActivity **extends** AppCompatActivity {  
 Button **button**;  
 @Override  
 **public void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 addListenerOnButton();  
 }  
 **public void** addListenerOnButton() {  
  
 **button** = (Button) findViewById(R.id.***button1***);  
  
 **button**.setOnClickListener(**new** OnClickListener() {  
  
 @Override  
 **public void** onClick(View arg0) {  
  
 Intent browserIntent =  
 **new** Intent(Intent.***ACTION\_VIEW***, Uri.*parse*(**"http://www.lidl.hr"**));  
 startActivity(browserIntent);  
  
 }  
  
 });  
 }  
}

* **EditText**

U Androidu možete koristiti klasu "EditText" za izradu tekstnog okvira koji se može uređivati ​​i dodavati tekst od strane korisnika

Primjer kako stvoriti tekstualni okvir u XML datoteci i demonstrira prikaz poruke upisane u tekstualni okvir. Nakon upisa teksta potvrditi s tipkom ENTER

**package** com.example.myapplication;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.content.Intent;  
  
**import** android.view.View;  
  
**import** android.app.Activity;  
**import** android.view.KeyEvent;  
**import** android.view.View.OnKeyListener;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
**public class** MainActivity **extends** AppCompatActivity {  
  
 **private** EditText **edittext**;  
  
 @Override  
 **public void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 *//addListenerOnButton();* addKeyListener();  
 }

**public void** addKeyListener () {  
  
 *// get edittext component* **edittext** = (EditText) findViewById(R.id.***editText***);  
  
 *// add a keylistener to keep track user input* **edittext**.setOnKeyListener(**new** OnKeyListener() {  
 **public boolean** onKey(View v, **int** keyCode, KeyEvent event) {  
  
 *// if keydown and "enter" is pressed* **if** ((event.getAction() == KeyEvent.***ACTION\_DOWN***)  
 && (keyCode == KeyEvent.***KEYCODE\_ENTER***)) {  
  
 *// display a floating message* Toast.*makeText*(MainActivity.**this**,  
 **edittext**.getText(),  
 Toast.***LENGTH\_LONG***).show();  
 **return true**;  
  
 } **else if** ((event.getAction() == KeyEvent.***ACTION\_DOWN***)  
 && (keyCode == KeyEvent.***KEYCODE\_9***)) {  
  
 *// display a floating message* Toast.*makeText*(MainActivity.**this**,  
 **""**, Toast.***LENGTH\_LONG***).show();  
 **return true**;  
 }  
  
 **return false**;  
 }  
 });  
 }  
}

* **Password**

U Androidu možete koristiti “EditText” + inputType=“textPassword” za šifriranje komponente lozinke. Za to ćemo koristiti “android.widget.EditText“.

U ovom vodiču ćemo vam pokazati kako koristiti XML za stvaranje polja lozinke, polja oznake i normalnog gumba. Kada kliknete na gumb, vrijednost lozinke će se prikazati kao plutajuća poruka (poruka tost).

String file

*<?***xml version="1.0" encoding="utf-8"***?>*<**resources**>  
 <**string name="app\_name"**>My Application</**string**>  
  
  
 <**string name="lblPassword"**>Enter Your Password :</**string**>  
 <**string name="btn\_submit"**>Submit</**string**>  
 </**resources**>

Xml file

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="fill\_parent"  
 android:orientation="vertical"** >  
  
 <**TextView  
 android:id="@+id/lblPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/lblPassword"  
 android:textAppearance="?android:attr/textAppearanceLarge"** />  
  
 <**EditText  
 android:id="@+id/txtPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"**>  
  
 <**requestFocus** />  
 </**EditText**>  
  
 <**Button  
 android:id="@+id/btnSubmit"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/btn\_submit"** />  
  
</**LinearLayout**>

Java file

**package** com.example.myapplication;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.view.View.OnClickListener;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 **private** EditText **password**;  
 **private** Button **btnSubmit**;  
  
 @Override  
 **public void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 addListenerOnButton();  
  
 }  
  
 **public void** addListenerOnButton() {  
  
 **password** = (EditText) findViewById(R.id.***txtPassword***);  
 **btnSubmit** = (Button) findViewById(R.id.***btnSubmit***);  
  
 **btnSubmit**.setOnClickListener(**new** OnClickListener() {  
  
 @Override  
 **public void** onClick(View v) {  
  
 Toast.*makeText*(MainActivity.**this**, **password**.getText(),  
 Toast.***LENGTH\_SHORT***).show();  
  
 }  
  
 });  
  
 }  
}

Zadatak 1: uredi program – dodaj **radio button**e u **radio group** kako bi se izbori resetirali, pozicioniraj radio buttone u ispravnoj poziciji jedno ispod drugoga.

Xml kod

*<?***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:id="@+id/linearLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="35sp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="52dp"  
 android:fontFamily="@font/"  
 android:text="gradovi "  
 android:textColor="#169179"  
 android:textSize="25sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.11"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/txtView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="49dp"  
 android:layout\_marginStart="40dp"  
 android:layout\_marginTop="8dp"  
 android:text="središte PGŽ"  
 android:textSize="18sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView"** />  
  
 <**RadioGroup  
 android:id="@+id/radioGroup"  
 android:layout\_width="297dp"  
 android:layout\_height="258dp"  
 android:layout\_marginStart="56dp"  
 android:layout\_marginTop="8dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtView"**>  
  
 <**RadioButton  
 android:id="@+id/rbBio"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="0sp"  
 android:layout\_marginTop="0sp"  
 android:onClick="onRadioButtonClicked"  
 android:padding="10dp"  
 android:text="Biograd"  
 tools:ignore="UsingOnClickInXml"** />  
  
 <**RadioButton  
 android:id="@+id/rbOpatija"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="0dp"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginEnd="0sp"  
 android:onClick="onRadioButtonClicked"  
 android:padding="10dp"  
 android:text="Opatija"  
 tools:ignore="UsingOnClickInXml"** />  
  
 <**RadioButton  
 android:id="@+id/rbika"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="0dp"  
 android:layout\_marginTop="12dp"  
 android:onClick="onRadioButtonClicked"  
 android:padding="10dp"  
 android:text="Ika"  
 tools:ignore="UsingOnClickInXml"** />  
  
 <**RadioButton  
 android:id="@+id/rbRi"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="0dp"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginEnd="0sp"  
 android:onClick="onRadioButtonClicked"  
 android:padding="10dp"  
 android:text="Rijeka"  
 tools:ignore="UsingOnClickInXml"** />  
  
 </**RadioGroup**>  
  
 <**Button  
 android:id="@+id/gradbtn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="56dp"  
 android:layout\_marginTop="8dp"  
 android:onClick="onRadioButtonClicked"  
 android:text="PROVJERI"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/radioGroup"  
 tools:ignore="UsingOnClickInXml"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Java kod

**package** com.example.myapplication3;  
**import** android.os.Bundle;  
**import** android.view.View;  
  
**import** android.widget.Button;  
  
**import** android.widget.Toast;  
**import** android.widget.RadioButton;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 RadioButton **Biograd**, **Rijeka**, **opatija**, **ika**;  
 String **res**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **Biograd** = findViewById(R.id.***rbBio***);  
 **Rijeka** = findViewById(R.id.***rbRi***);  
 **opatija**= findViewById(R.id.***rbOpatija***);  
 **ika**= findViewById(R.id.***rbika***);  
 Button gradbtn = findViewById(R.id.***gradbtn***);  
 gradbtn.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **res** = **" Ispravno je Rijeka, "**;  
 **res** += (**Biograd**.isChecked()) ? **" nije Biograd"** : (**Rijeka**.isChecked()) ? **" Bravo"** : (**opatija**.isChecked()) ? **" nije Opatija "** : (**ika**.isChecked()) ? **" nije ika"** : **""**;  
 Toast.*makeText*(getApplicationContext(), **res**, Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 } String **msg** = **""**;  
 **public void** onRadioButtonClicked(View view) {  
 **boolean** checked = ((RadioButton) view).isChecked();  
  
  
 **switch** (view.getId()) {  
 **case** R.id.***rbBio***:  
 **if** (checked)  
 **msg** = **" Biograd"**;  
 **break**;  
 **case** R.id.***rbRi***:  
 **if** (checked)  
 **msg** = **" Rijeka"**;  
 **break**;  
 **case** R.id.***rbOpatija***:  
 **if** (checked)  
 **msg** = **" Opatija "**;  
 **break**;  
 **case** R.id.***rbika***:  
 **if** (checked)  
 **msg** = **" Ika"**;  
 **break**;  
 }  
 Toast.*makeText*(getApplicationContext(), **msg**, Toast.***LENGTH\_SHORT***).show();  
 }  
}

Zadatak 2: izmjeni program – dodaj **check boxove** pozicioniraj **check boxove** u ispravnoj poziciji jedno ispod drugoga. Izaberi sve gradove u PGŽ , javlja plutajuću poruku da grad nije u PGŽ.

XML file

*<?***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:id="@+id/linearLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="35sp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="52dp"  
 android:fontFamily="@font/"  
 android:text="gradovi "  
 android:textColor="#169179"  
 android:textSize="25sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.11"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <**TextView  
 android:id="@+id/txtView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="49dp"  
 android:layout\_marginStart="40dp"  
 android:layout\_marginTop="8dp"  
 android:text="PGŽ"  
 android:textSize="18sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView"** />  
  
  
  
 <**CheckBox  
 android:id="@+id/cboxBio"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="60dp"  
 android:layout\_marginTop="50dp"  
 android:text="Biograd"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtView"** />  
  
 <**CheckBox  
 android:id="@+id/cboxRI"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="60dp"  
 android:layout\_marginTop="20dp"  
 android:text="Rijeka"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/cboxBio"** />  
  
 <**CheckBox  
 android:id="@+id/cboxOp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="60dp"  
 android:layout\_marginTop="20dp"  
 android:text="Opatija"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/cboxRI"** />  
  
 <**CheckBox  
 android:id="@+id/cboxIka"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="60dp"  
 android:layout\_marginTop="20dp"  
 android:text="Ika"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/cboxOp"** />  
  
  
 <**Button  
 android:id="@+id/gradbtn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="60dp"  
 android:layout\_marginTop="50dp"  
 android:onClick="onCheckBoxClicked"  
 android:text="PROVJERI"  
  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/cboxIka"  
 tools:ignore="UsingOnClickInXml"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Java file

**package** com.example.myapplication3;  
**import** android.os.Bundle;  
**import** android.view.View;  
  
**import** android.widget.Button;  
**import** android. widget.CheckBox;  
**import** android.widget.Toast;  
  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 CheckBox **Biograd**, **Rijeka**, **opatija**, **ika**;  
 String **res**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **Biograd** = findViewById(R.id.***cboxBio***);  
 **Rijeka** = findViewById(R.id.***cboxRI***);  
 **opatija**= findViewById(R.id.***cboxOp***);  
 **ika**= findViewById(R.id.***cboxIka***);  
 Button gradbtn = findViewById(R.id.***gradbtn***);  
 gradbtn.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **res** = **" Gradovi , "**;  
 **res** += (**Biograd**.isChecked()) ? **" Biograd nije u PGŽ"** : (**Rijeka**.isChecked()) ? **"Rijeka je u Pgž "** : (**opatija**.isChecked()) ? **"Opatija je u PGŽ "** : (**ika**.isChecked()) ? **" Ika je U PGŽ"** : **""**;  
 Toast.*makeText*(getApplicationContext(), **res**, Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 } String **msg** = **""**;  
 **public void** onCheckBoxClicked(View view) {  
 **boolean** checked = ((CheckBox) view).isChecked();  
  
  
 **switch** (view.getId()) {  
 **case** R.id.***cboxBio***:  
 **if** (checked)  
 **msg** = **" Biograd nije u PGŽ"**;  
 **break**;  
 **case** R.id.***cboxRI***:  
 **if** (checked)  
 **msg** = **" Rijeka je u PGŽ"**;  
 **break**;  
 **case** R.id.***cboxOp***:  
 **if** (checked)  
 **msg** = **" Opatija je u PGŽ "**;  
 **break**;  
 **case** R.id.***cboxIka***:  
 **if** (checked)  
 **msg** = **" Ika je u PGŽ"**;  
 **break**;  
 }  
 Toast.*makeText*(getApplicationContext(), **msg**, Toast.***LENGTH\_SHORT***).show();  
 }  
}