# Lab Exercise 10: Implicit Intent

### ActivityMain.java

```
package com.example.lab10 implicitintent;
import androidx.appcompat.app.AppCompatActivity;
import android.app.Activity;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
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);
        EditText urlText = findViewById(R.id.url);
        Button searchBtn = findViewById(R.id.searchBtn);
        searchBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String url = "https://www." + urlText.getText().toString();
                Uri web = Uri.parse(url);
                Intent myIntent = new Intent(Intent.ACTION VIEW, web);
                if (myIntent.resolveActivity(getPackageManager()) == null) {
                    Toast.makeText(MainActivity.this, "Invalid URL",
Toast.LENGTH SHORT).show();
                if (myIntent.resolveActivity(getPackageManager()) != null) {
                    startActivity(myIntent);
        });
    }
}
strings.xml
<resources>
    <string name="app name">Lab10: ImplicitIntent</string>
    <string name="hint">Enter URL (without https://www.)</string>
    <string name="search">search</string>
</resources>
```

#### AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    package="com.example.lab10 implicitintent">
    <queries>
        <intent>
            <action android:name="android.intent.action.VIEW" />
            <category android:name="android.intent.category.BROWSABLE" />
            <data android:scheme="https" />
        </intent>
    </queries>
    <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.Lab10 ImplicitIntent">
        <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</pre>
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">
    <EditText
        android:id="@+id/url"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:hint="@string/hint"
        android:importantForAutofill="no"
        android:inputType="textUri"
        android:minHeight="48dp"
        android:textColorHint="#757575"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintHorizontal bias="0.111"
        app:layout constraintLeft toLeftOf="parent"
        app:layout constraintRight toRightOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout constraintVertical bias="0.499" />
    <Button
        android:id="@+id/searchBtn"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="@string/search"
        app:layout constraintBottom toBottomOf="@id/url"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintStart toEndOf="@id/url"
        app:layout constraintTop toTopOf="@id/url" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

# **OUTPUT**



