**Problem Statement:** Create an application to display the WebView in another activity from given 4 options (use ImageButton).

**AndroidManifest.xml Manifest File:**

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

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

xmlns:tools="http://schemas.android.com/tools">

<uses-permission android:name="android.permission.INTERNET" />

<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.AppCompat.Light.DarkActionBar">

<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>

<activity android:name=".WebViewActivity"></activity>

</application>

</manifest>

**activity\_main.xml Layout Resource File:**

<?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"

android:gravity="center"

android:padding="16dp"

tools:context=".MainActivity">

<ImageButton

android:id="@+id/imageButtonOption1"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:src="@drawable/googlelogo"

android:contentDescription="@string/option1\_description"

android:scaleType="centerInside"

android:layout\_marginBottom="12dp" />

<ImageButton

android:id="@+id/imageButtonOption2"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:src="@drawable/youtubeicon"

android:contentDescription="@string/option2\_description"

android:scaleType="centerInside"

android:layout\_marginBottom="10dp" />

<ImageButton

android:id="@+id/imageButtonOption3"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:src="@drawable/githubicon"

android:contentDescription="@string/option3\_description"

android:scaleType="centerInside"

android:layout\_marginBottom="8dp" />

<ImageButton

android:id="@+id/imageButtonOption4"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:src="@drawable/amazonicon"

android:contentDescription="@string/option4\_description"

android:scaleType="centerInside"

android:layout\_marginBottom="6dp" />

</LinearLayout>

**activity\_web\_view.xml Layout Resource File:**

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

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

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".WebViewActivity">

<WebView

android:id="@+id/webView"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent" />

</RelativeLayout>

**colors.xml Values Resource File:**

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

<resources>

<color name="black">#FF000000</color>

<color name="white">#FFFFFFFF</color>

</resources>

**strings.xml Values Resource File:**

<resources>

<string name="app\_name">WebViewIMGButton</string>

<string name="option1\_description" />

<string name="option2\_description">\n</string>

<string name="option3\_description" />

<string name="option4\_description" />

</resources>

**MainActivity.java JAVA File:**

package com.example.webviewimgbutton;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.ImageButton;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

ImageButton imageButtonOption1 = findViewById(R.id.imageButtonOption1);

ImageButton imageButtonOption2 = findViewById(R.id.imageButtonOption2);

ImageButton imageButtonOption3 = findViewById(R.id.imageButtonOption3);

ImageButton imageButtonOption4 = findViewById(R.id.imageButtonOption4);

imageButtonOption1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

openWebViewActivity("https://google.com/option1");

}

});

imageButtonOption2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

openWebViewActivity("https://youtube.com/option2");

}

});

imageButtonOption3.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

openWebViewActivity("https://github.com/option3");

}

});

imageButtonOption4.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

openWebViewActivity("https://amazon.com/option4");

}

});

}

private void openWebViewActivity(String url) {

Intent intent = new Intent(MainActivity.this, WebViewActivity.class);

intent.putExtra("url", url);

startActivity(intent);

}

}

**WebViewActivity.java JAVA File:**

package com.example.webviewimgbutton;

import android.os.Bundle;

import android.webkit.WebView;

import androidx.appcompat.app.AppCompatActivity;

public class WebViewActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_web\_view);

WebView webView = findViewById(R.id.webView);

String url = getIntent().getStringExtra("url");

if (url != null && !url.isEmpty()) {

webView.loadUrl(url);

}

}

}

**OUTPUT:**









