**Practical no.32**

**Title:Deploy map-based application Part-II**

**Roll No.:**15 **Batch-** A **Date of Performance:** 28/03/2024

**activity\_main.xml**

<?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:orientation="vertical"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="20dp"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Draw Route Activity"

android:layout\_marginTop="20dp"

android:layout\_gravity="center\_horizontal"

style="@style/TextAppearance.AppCompat.Large"

/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/source"

android:hint="Enter Source"

android:layout\_marginTop="20dp"

android:layout\_gravity="start"

style="@style/TextAppearance.AppCompat.Large"/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/destination"

android:hint="Enter Destination"

android:layout\_marginTop="20dp"

android:layout\_gravity="start"

style="@style/TextAppearance.AppCompat.Large"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/Draw"

android:text="Draw"

android:layout\_gravity="center\_horizontal"

android:layout\_marginTop="20dp"

style="@style/TextAppearance.AppCompat.Large"

/>

</LinearLayout>

**AndroidManifest.xml**

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

<uses-permission

android:name="android.permission.ACCESS\_FINE\_LOCATION"/>

<uses-permission

android:name="android.permission.ACCESS\_COARSE\_LOCATION"/>

**MainActivity.java**

package com.example.pract32;

package com.example.drawroute;

import androidx.appcompat.app.AppCompatActivity;

import android.content.ActivityNotFoundException;

import android.content.Intent;

import android.content.IntentFilter;

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 {

EditText esource,edistination;

Button bdraw;

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

esource=findViewById(R.id.source);

edistination=findViewById(R.id.destination);

bdraw=findViewById(R.id.Draw);

bdraw.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String source=esource.getText().toString();

String destination=edistination.getText().toString();

if(source.equals("")&&(destination.equals("")))

{

Toast.makeText(getApplicationContext(),"Enter

Source and Destination",Toast.LENGTH\_LONG).show();

}

else

{

try {

Uri uri = Uri.parse("https://www.google.co.in/maps/dir/" + source +

"/" + destination)

Intent intent = new Intent(Intent.ACTION\_VIEW, uri);

intent.setFlags(Intent.FLAG\_ACTIVITY\_NEW\_TASK);

startActivity(intent);

catch(ActivityNotFoundException anf)

{

Uri uri =

Uri.parse("https://play.google.com/store/apps/details?id=com.google.an

droid.apps.maps");

Intent intent = new Intent(Intent.ACTION\_VIEW, uri);

intent.setFlags(Intent.FLAG\_ACTIVITY\_NEW\_TASK);

startActivity(intent);

}

}

}

});

}



