1st Activity Symptom Checker

Xml code:

<?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="com.example.just.MainActivity">

<TextView

android:id="@+id/DispName"

android:layout\_width="300dp"

android:layout\_height="wrap\_content"

android:layout\_alignParentStart="true"

android:layout\_alignParentTop="true"

android:layout\_marginStart="24dp"

android:layout\_marginTop="31dp"

android:text="@string/symptom\_checker"

android:textAppearance="?android:attr/textAppearanceLarge"

android:textColor="@color/accent\_material\_light"

tools:ignore="PrivateResource" />

<RadioGroup

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignStart="@+id/DispName"

android:id="@+id/answersgrp"

android:clickable="true"

android:layout\_centerVertical="true">

<!--android:layout-->

<!--android:checkedButton="@+id/radioButton"-->

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/a"

android:textSize="20sp"

android:id="@+id/radioButton"

android:checked="false"

/>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/b"

android:textSize="20sp"

android:id="@+id/radioButton2"

android:checked="false" />

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/c"

android:textSize="20sp"

android:id="@+id/radioButton3"

android:checked="false"/>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/d"

android:textSize="20sp"

android:id="@+id/radioButton4"

android:checked="false"/>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/e"

android:textSize="20sp"

android:id="@+id/radioButton5"

android:checked="false"/>

</RadioGroup>

<Button

android:id="@+id/button3"

android:layout\_width="200dp"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/answersgrp"

android:layout\_alignParentEnd="true"

android:layout\_marginTop="120dp"

android:layout\_marginEnd="100dp"

android:background="#FF5722"

android:text="@string/next\_question"

android:textColor="#ffffff" />

<TextView

android:id="@+id/tvque"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_above="@+id/answersgrp"

android:layout\_alignParentStart="true"

android:layout\_marginStart="24dp"

android:layout\_marginBottom="80dp"

android:text="@string/questions"

android:textAppearance="?android:attr/textAppearanceLarge" />

</RelativeLayout>

Java code:

package com.example.just;

import android.annotation.SuppressLint;

import android.app.Fragment;

import android.content.Intent;

import android.os.Bundle;

import android.text.TextUtils;

import android.view.View;

import android.widget.Button;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.TextView;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

import java.util.Arrays;

public class MainActivity extends AppCompatActivity {

TextView tv;

Button submitbutton, quitbutton;

RadioGroup radio\_g;

RadioButton rb1,rb2,rb3,rb4,rb5;

String[] questions = {

"Are u experiencing any of these following Symptoms?",

"Have u ever had any of these following health Conditions?",

"Do you currently have any of these following Symptoms?",

"Did you have any of these following health Conditions Before?",

};

String[] answers = {"None of the Above\*","None of the Above","None of the Above","None of the Above"};

String[] opt ={

"Dry Cough","High Fever","Difficulty in Breathing","All of the Above","None of the Above",

"Diabetes","Hypertension","Lung Disease","All of the Above","None of the Above",

"Headache","Running Nose","Sore Throat","All of the Above","None of the Above",

"Asthma","Cancer","Heart Disease","All of the Above","None of the Above"

};

int flag=0;

public static int marks1,correct1,wrong1;

@SuppressLint("SetTextI18n")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

TextView textView=(TextView)findViewById(R.id.DispName);

final Intent intent = getIntent();

textView.setText("SYMPTOM CHECKER");

submitbutton=(Button)findViewById(R.id.button3);

tv=(TextView) findViewById(R.id.tvque);

radio\_g=(RadioGroup)findViewById(R.id.answersgrp);

rb1=(RadioButton)findViewById(R.id.radioButton);

rb2=(RadioButton)findViewById(R.id.radioButton2);

rb3=(RadioButton)findViewById(R.id.radioButton3);

rb4=(RadioButton)findViewById(R.id.radioButton4);

rb5=(RadioButton)findViewById(R.id.radioButton5);

tv.setText(questions[flag]);

rb1.setText(opt[0]);

rb2.setText(opt[1]);

rb3.setText(opt[2]);

rb4.setText(opt[3]);

rb5.setText(opt[4]);

submitbutton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if(radio\_g.getCheckedRadioButtonId()==-1)

{

Toast.makeText(getApplicationContext(), "Please select one choice", Toast.LENGTH\_SHORT).show();

return;

}

RadioButton uans = (RadioButton) findViewById(radio\_g.getCheckedRadioButtonId());

String ansText = uans.getText().toString();

Toast.makeText(getApplicationContext(), ansText, Toast.LENGTH\_SHORT).show();

if(ansText.equals(answers[flag])) {

correct1++;

Toast.makeText(getApplicationContext(), "Safe", Toast.LENGTH\_SHORT).show();

}

else {

wrong1++;

Toast.makeText(getApplicationContext(), "Next", Toast.LENGTH\_SHORT).show();

}

flag++;

if(flag<questions.length)

{

tv.setText(questions[flag]);

rb1.setText(opt[flag\*5]);

rb2.setText(opt[(flag\*5)+1]);

rb3.setText(opt[(flag\*5)+2]);

rb4.setText(opt[(flag\*5)+3]);

rb5.setText(opt[(flag\*5)+4]);

}

else

{

marks1=correct1;

Intent intent = new Intent(getApplicationContext(),Main3Activity.class);

startActivity(intent);

}

radio\_g.clearCheck();

}

});

}

}

2nd Activity of Symptom Checker

Xml code:

<?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="com.example.just.Main3Activity">

<TextView

android:id="@+id/DispName"

android:layout\_width="300dp"

android:layout\_height="wrap\_content"

android:layout\_alignParentStart="true"

android:layout\_alignParentTop="true"

android:layout\_marginStart="24dp"

android:layout\_marginTop="31dp"

android:text="@string/symptoms\_checker"

android:textAppearance="?android:attr/textAppearanceLarge"

android:textColor="@color/accent\_material\_light"

tools:ignore="PrivateResource" />

<RadioGroup

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignStart="@+id/DispName"

android:id="@+id/answersgrp"

android:clickable="true"

android:layout\_centerVertical="true">

<!--android:layout-->

<!--android:checkedButton="@+id/radioButton"-->

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/a"

android:textSize="20sp"

android:id="@+id/radioButton"

android:checked="false"

/>

<RadioButton

android:id="@+id/radioButton2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:checked="false"

android:text="@string/b"

android:textSize="20sp" />

</RadioGroup>

<Button

android:id="@+id/button3"

android:layout\_width="200dp"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/answersgrp"

android:layout\_alignParentEnd="true"

android:layout\_marginTop="122dp"

android:layout\_marginEnd="104dp"

android:background="#FF5722"

android:text="@string/next\_question"

android:textColor="#ffffff" />

<TextView

android:id="@+id/tvque"

android:layout\_width="400dp"

android:layout\_height="wrap\_content"

android:layout\_above="@+id/answersgrp"

android:layout\_alignParentStart="true"

android:layout\_marginStart="24dp"

android:layout\_marginBottom="80dp"

android:text="@string/questions"

android:textAppearance="?android:attr/textAppearanceLarge" />

</RelativeLayout>

Java Code:

package com.example.just;

import android.annotation.SuppressLint;

import android.app.Fragment;

import android.content.Intent;

import android.os.Bundle;

import android.text.TextUtils;

import android.view.View;

import android.widget.Button;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.TextView;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

import java.util.Arrays;

public class Main3Activity extends AppCompatActivity {

TextView tv;

Button submitbutton, quitbutton;

RadioGroup radio\_g;

RadioButton rb1,rb2;

String[] questions = {

"Have you or someone in your family recently Interacted/Stayed/ Came in close contact with a Laboratory / Hospital confirmed COVID-19 patient in the past few Days/Months?",

"Have you or someone in your family Staying with you attended a 'large Gathering / Migration Centre' in the past few Days/Months?",

"Are you currently working for Essential Services in public exposed places (like Hospitals , Retail outlets , Delivery Services)?",

"Are u a healthcare worker and examined a COVID-19 patient without protective gear?",

"Is someone in your family Staying with you currently working for Essential Services in public exposed places (like Hospitals , Retail outlets , Delivery Services)?",

"Have you recently Traveled anywhere Nationally/Internationally in past few Days/Months?"

};

String[] answers = {"NO","NO","NO","NO","NO","NO"};

String[] opt ={"YES","NO",

"YES","NO",

"YES","NO",

"YES","NO",

"YES","NO",

"YES","NO",

};

int flag=0;

public static int marks2,correct2,wrong2;

public static int marks,correct,wrong;

@SuppressLint("SetTextI18n")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main3);

TextView textView=(TextView)findViewById(R.id.DispName);

final Intent intent = getIntent();

textView.setText("SYMPTOM CHECKER");

submitbutton=(Button)findViewById(R.id.button3);

tv=(TextView) findViewById(R.id.tvque);

radio\_g=(RadioGroup)findViewById(R.id.answersgrp);

rb1=(RadioButton)findViewById(R.id.radioButton);

rb2=(RadioButton)findViewById(R.id.radioButton2);

tv.setText(questions[flag]);

rb1.setText(opt[0]);

rb2.setText(opt[1]);

submitbutton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

//int color = mBackgroundColor.getColor();

//mLayout.setBackgroundColor(color);

if(radio\_g.getCheckedRadioButtonId()==-1)

{

Toast.makeText(getApplicationContext(), "Please select one choice", Toast.LENGTH\_SHORT).show();

return;

}

RadioButton uans = (RadioButton) findViewById(radio\_g.getCheckedRadioButtonId());

String ansText = uans.getText().toString();

Toast.makeText(getApplicationContext(), ansText, Toast.LENGTH\_SHORT).show();

if(ansText.equals(answers[flag])) {

correct2++;

Toast.makeText(getApplicationContext(), "Safe", Toast.LENGTH\_SHORT).show();

}

else {

wrong2++;

Toast.makeText(getApplicationContext(), "Next", Toast.LENGTH\_SHORT).show();

}

flag++;

//if (score != null)

// score.setText(""+correct2);

if(flag<questions.length)

{

tv.setText(questions[flag]);

rb1.setText(opt[flag\*2]);

rb2.setText(opt[(flag\*2)+1]);

}

else

{

marks2=correct2;

Intent intent = new Intent(getApplicationContext(),ResultActivity.class);

startActivity(intent);

}

radio\_g.clearCheck();

}

});

}

}

3rd Activity of Symptom Checker

Xml code:

<?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="com.example.just.ResultActivity">

<TextView

android:id="@+id/tvres"

android:layout\_width="wrap\_content"

android:layout\_height="50dp"

android:layout\_alignParentStart="true"

android:layout\_alignParentTop="true"

android:layout\_alignParentEnd="true"

android:layout\_centerHorizontal="true"

android:layout\_marginStart="-2dp"

android:layout\_marginTop="71dp"

android:layout\_marginEnd="2dp"

android:background="#76FF03"

android:text="Large Text"

android:textAlignment="center"

android:textAppearance="?android:attr/textAppearanceLarge"

android:textColor="#000000"

android:textSize="24sp" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="50dp"

android:textAppearance="?android:attr/textAppearanceLarge"

android:text="Large Text"

android:id="@+id/tvres2"

android:background="#F44336"

android:layout\_below="@+id/tvres"

android:layout\_alignParentStart="true"

android:layout\_marginTop="31dp"

android:layout\_alignParentEnd="true"

android:textColor="#000000"

android:textAlignment="center"

android:textSize="24sp"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="50dp"

android:textAppearance="?android:attr/textAppearanceLarge"

android:text="Large Text"

android:id="@+id/tvres3"

android:background="#FFEB3B"

android:layout\_below="@+id/tvres2"

android:layout\_marginTop="31dp"

android:layout\_alignEnd="@+id/tvres2"

android:layout\_alignParentEnd="true"

android:layout\_alignParentStart="true"

android:textColor="#000000"

android:textAlignment="center"

android:textSize="24sp" />

</RelativeLayout>

Java Code:

package com.example.just;

import android.os.Bundle;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class ResultActivity extends AppCompatActivity {

TextView tv, tv2, tv3;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_result);

tv = (TextView)findViewById(R.id.tvres);

tv2 = (TextView)findViewById(R.id.tvres2);

tv3 = (TextView)findViewById(R.id.tvres3);

// btnRestart = (Button) findViewById(R.id.btnRestart);

StringBuilder sb = new StringBuilder();

if((MainActivity.correct1+Main3Activity.correct2)>=5)

sb.append("LOWER RISK OF COVID-19 : ").append("YES").append("\n");

else

sb.append("LOWER RISK OF COVID-19 : ").append("N0").append("\n");

StringBuilder sb2 = new StringBuilder();

if((MainActivity.wrong1+Main3Activity.wrong2)>=6)

sb2.append("HIGHER RISK OF COVID-19 : ").append("YES").append("\n");

else

sb2.append("HIGHER RISK OF COVID-19 : ").append("N0").append("\n");

StringBuilder sb3 = new StringBuilder();

if(((MainActivity.correct1+Main3Activity.correct2)>=5))

sb3.append("STAY HOME , BE SAFE");

else

sb3.append("CONSULT DOCTOR");

tv.setText(sb);

tv2.setText(sb2);

tv3.setText(sb3);

}

}