Mobile Application Development LAB

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Design an COVIDAPP to get the symptoms and anlyse it to print the diagnostic result. Assume your condition for covid, cough and fever and display the result in mainActivity2

xml1:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayoutxmlns:android="http://sch</pre>
emas.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">
android:id="@+id/textView"
android:layout_width="wrap content"
android:layout height="wrap content"
android:text="Enter Name"
app:layout constraintBottom toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal bias="0.198"
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.105" />
android:id="@+id/e1"
android:layout width="157dp"
android: layout height="46dp"
android:ems="10"
android:inputType="textPersonName"
android:hint="Name"
app:layout constraintBottom toBottomOf="parent"
app:layout constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.883"
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.087" />
<TextView
android:id="@+id/textView2"
android:layout width="wrap content"
android: layout height="wrap content"
```

```
android:text="Place"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.212"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout constraintVertical bias="0.195" />
android:id="@+id/e2"
android:layout_width="159dp"
android:layout_height="41dp"
android:ems="10"
android:hint="place"
android:inputType="textPersonName"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.884"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical bias="0.169" />
<TextView
android:id="@+id/textView3"
android:layout_width="wrap_content"
android:layout height="wrap content"
android:text="Aadhaar number"
app:layout constraintBottom toBottomOf="parent"
app:layout constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.218"
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.265" />
android:id="@+id/e3"
android:layout_width="159dp"
android: layout height="40dp"
android:ems="10"
android:hint="Aadhaar no"
android:inputType="textPersonName"
app:layout constraintBottom toBottomOf="parent"
app:layout constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.884"
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
app:layout_constraintVertical bias="0.243" />
<TextView
android:id="@+id/textView4"
android:layout_width="wrap_content"
android:layout height="wrap content"
android:text="Symptoms"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.194"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical bias="0.353" />
android:id="@+id/c1"
android:layout_width="130dp"
android: layout height="46dp"
android:text="Cold Cough"
app:layout constraintBottom toBottomOf="parent"
```

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_
           constraintHorizontal bias="0.369"
app:layout_constraintStart_toStartOf="parent"
app:layout_
           constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.457" />
android:id="@+id/c2"
android:layout_width="99dp"
android:layout height="47dp"
android:text="Fever"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal bias="0.859"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.457" />
android:id="@+id/c3"
android:layout_width="140dp"
android:layout height="40dp"
android:text="No smell"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd toEndOf="parent"
app:layout_constraintHorizontal bias="0.373"
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.591" />
android:id="@+id/c4"
android:layout_width="104dp"
android:layout height="36dp"
android:text="Vomiting"
app:layout constraintBottom toBottomOf="parent"
app:layout constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.857"
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.596" />
android:id="@+id/button"
android:layout width="wrap content"
android:layout height="wrap content"
android:text="Submit"
app:layout constraintBottom toBottomOf="parent"
app:layout_constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.554"
app:layout_constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
app:layout constraintVertical bias="0.715" />
</androidx.constraintlayout.widget.ConstraintLayout>
java1:
package com.example.covidapp;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.content.Intent;
```

```
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivityextends AppCompatActivity {
EditTexte1, e2, e3;
String ee1, ee2, ee3;
String cb1, cb2, cb3, cb4;
CheckBoxc1, c2, c3, c4;
// String cb1="Cold Cough";
// String cb2="Cold Cough";
// String cb3="Cold Cough";
// String cb4="Cold Cough";
Button button;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity main);
e1=findViewById(R.id.e1);
e2=findViewById(R.id.e2);
e3=findViewById(R.id.e3);
c1=(CheckBox) findViewById(R.id.c1);
c2 = (CheckBox) findViewById(R.id.c2);
c3=(CheckBox) findViewById(R.id.c3);
c4=(CheckBox) findViewById(R.id.c4);
button=(Button) findViewById(R.id.button);
button.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
eel=e1.getText().toString();
ee2=e2.getText().toString();
ee3=e3.getText().toString();
Intent intent=new
Intent (MainActivity.this, MainActivity2.class);
intent.putExtra("keyname", ee1);
intent.putExtra("keyplace",ee2);
intent.putExtra("keyaadhaar", ee3);
                if(c1.isChecked() &&c2.isChecked() &&c3.isChecked() &&
c4.isChecked()){
// Toast.makeText(getApplicationContext(), "Covid
                     //positive", Toast.LENGTH SHORT).show();
String res = "Covid Positive";
intent.putExtra("keyresult", res);
String cb1 = "Cold Cough";
String cb2 = "Fever";
String cb3 = "No smell";
String cb4 = "Vomiting";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(!c1.isChecked() &&c2.isChecked() &&c3.isChecked()
&&c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = " ";
String cb2 = "Fever";
String cb3 = "No smell";
String cb4 = "Vomiting";
```

```
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(c1.isChecked() && !c2.isChecked() &&c3.isChecked() &&
c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = "Cold Cough";
String cb2 = " ";
String cb3 = "No smell";
String cb4 = "Vomiting";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if (c1.isChecked() &&c2.isChecked() && !c3.isChecked() &&
c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = "Cold Cough";
String cb2 = "Fever";
String cb3 = " ";
String cb4 = "Vomiting";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(c1.isChecked() &&c2.isChecked() &&c3.isChecked() &&
                        !c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = "Cold Cough";
String cb2 = "Fever";
String cb3 = "No smell";
String cb4 = " ";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(!c1.isChecked() && !c2.isChecked() &&c3.isChecked() &&
c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = " ";
String cb2 = " ";
String cb3 = "No smell";
String cb4 = "vomiting ";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(!c1.isChecked() &&c2.isChecked() && !c3.isChecked() &&
c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
```

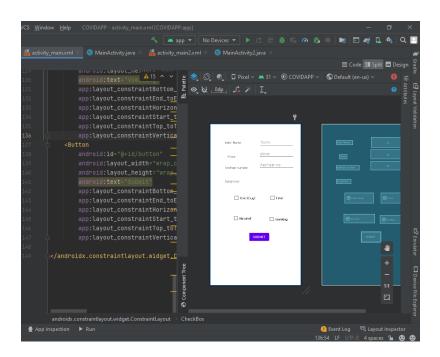
```
String cb1 = " ";
String cb2 = "Fever";
String cb3 = " ";
String cb4 = "vomiting ";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(!c1.isChecked() &&c2.isChecked() &&c3.isChecked() &&
                        !c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = " ";
String cb2 = "Fever";
String cb3 = "No smell ";
String cb4 = " ";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(c1.isChecked() && !c2.isChecked() && !c3.isChecked() &&
c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = "Cold cough";
String cb2 = " ";
String cb3 = " ";
String cb4 = "Vomiting";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(c1.isChecked() && !c2.isChecked() &&c3.isChecked() &&
                        !c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = "Cold cough";
String cb2 = " ";
String cb3 = " No smell";
String cb4 = "";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(c1.isChecked() &&c2.isChecked() && !c3.isChecked() &&
                        !c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = "Cold cough";
String cb2 = "Fever";
String cb3 = " ";
String cb4 = "";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
```

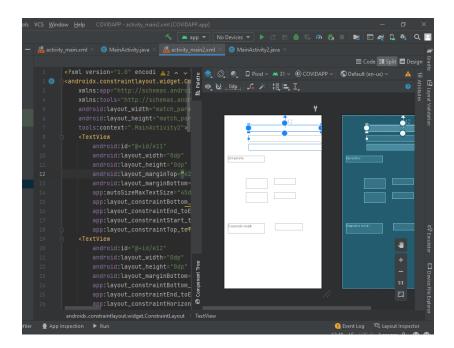
```
else if(c1.isChecked() && !c2.isChecked() && !c3.isChecked() &&
                        !c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = "Cold cough";
String cb2 = " ";
String cb3 = " ";
String cb4 = " ";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(!c1.isChecked() &&c2.isChecked() && !c3.isChecked() &&
                        !c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = " ";
String cb2 = "Fever ";
String cb3 = " ";
String cb4 = " ";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(!c1.isChecked() && !c2.isChecked() &&c3.isChecked() &&
                        !c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = " ";
String cb2 = " ";
String cb3 = "No smell ";
String cb4 = " ";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else if(!c1.isChecked() && !c2.isChecked() && !c3.isChecked()
&&c4.isChecked()){
                    String res = "Covid Negative";
intent.putExtra("keyresult", res);
String cb1 = " ";
String cb2 = " ";
String cb3 = " ";
String cb4 = "Vomiting ";
intent.putExtra("keycb1",cb1);
intent.putExtra("keycb2",cb2);
intent.putExtra("keycb3",cb3);
intent.putExtra("keycb4",cb4);
else{
// Toast.makeText(getApplicationContext(),"Covid
                   // Negative", Toast.LENGTH SHORT).show();
String res = "Covid Negative";
intent.putExtra("keyresult", res);
                    if(c1.isChecked()) {
                        String cb1 = "Cold Cough";
else{
```

```
String cb1 = " ";
if(c2.isChecked()) {
                        String cb2 = "Fever";
else{
                        String cb2 = " ";
if(c3.isChecked()) {
                        String cb3 = "No smell";
else{
                        String cb3 = " ";
if(c4.isChecked()) {
                        String cb4 = "Vomiting";
else{
                        String cb4 = " ";
startActivity(intent);
        });
xml2:
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayoutxmlns:android="http://sch</pre>
emas.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=".MainActivity2">
<TextView
android:id="@+id/e11"
android:layout width="0dp"
android:layout height="0dp"
android:layout marginTop="42dp"
android:layout marginBottom="18dp"
app:autoSizeMaxTextSize="45dp"
app:layout constraintBottom toTopOf="@+id/e12"
app:layout constraintEnd toEndOf="parent"
app:layout constraintStart toStartOf="@+id/e12"
app:layout_constraintTop toTopOf="parent" />
android:id="@+id/e12"
android:layout width="0dp"
android:layout height="0dp"
android:layout marginBottom="10dp"
app:layout constraintBottom toTopOf="@+id/e13"
app:layout constraintEnd toEndOf="@+id/e13"
app:layout_constraintHorizontal_bias="1.0"
app:layout_constraintStart_toStartOf="@+id/e13"
app:layout constraintTop toBottomOf="@+id/e11" />
android:id="@+id/e13"
```

```
android:layout_width="0dp"
android:layout_height="0dp"
android:layout_marginStart="102dp"
android:layout_marginBottom="22dp"
app:layout_constraintBottom_toTopOf="@+id/textView18"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout constraintTop toBottomOf="@+id/e12" />
android:id="@+id/c13"
\verb"android:layout_width="0dp""
android:layout_height="43dp"
android:layout_marginStart="91dp"
android:layout_marginEnd="30dp"
app:layout_constraintBaseline_toBaselineOf="@+id/c14"
app:layout_constraintEnd_toStartOf="@+id/c14"
app:layout_constraintStart toStartOf="parent" />
<TextView
android:id="@+id/c14"
\verb"android:layout_width="0dp""
\verb"android:layout_height="0dp""
android:layout_marginEnd="110dp"
android:layout_marginBottom="105dp"
app:layout_constraintBottom toTopOf="@+id/result"
app:layout_constraintEnd toEndOf="parent"
app:layout_constraintStart toEndOf="@+id/c13"
app:layout constraintTop toBottomOf="@+id/c12" />
<TextView
android:id="@+id/textView18"
android:layout width="0dp"
android:layout height="0dp"
android:layout marginBottom="70dp"
android:text="Symptoms"
app:layout constraintBottom toTopOf="@+id/c12"
app:layout constraintEnd toEndOf="@+id/textView19"
app:layout constraintStart toStartOf="@+id/textView19"
app:layout constraintTop toBottomOf="@+id/e13" />
android:id="@+id/textView19"
android:layout width="155dp"
android: layout height="42dp"
android:layout marginStart="43dp"
android:layout marginEnd="44dp"
android:text="Diagnosis result"
app:layout_constraintBaseline toBaselineOf="@+id/result"
app:layout_constraintEnd_toStartOf="@+id/result"
app:layout_constraintStart toStartOf="parent" />
android:id="@+id/result"
android:layout_width="115dp"
android:layout_height="28dp"
android:layout marginEnd="110dp"
android:layout marginBottom="245dp"
app:layout_constraintBottom_toBottomOf="parent"
           constraintEnd toEndOf="parent"
app:layout_
app:layout_constraintStart_toEndOf="@+id/textView19"
app:layout constraintTop toBottomOf="@+id/c14" />
android:id="@+id/c11"
android:layout_width="0dp"
android:layout height="43dp"
```

```
android:layout marginStart="91dp"
android:layout marginEnd="30dp"
{\tt app:layout\_constraintBaseline\_toBaselineOf="@+id/c12"}
           constraintEnd toStartOf="@+id/c12"
app:layout
app:layout constraintStart toStartOf="parent" />
android:id="@+id/c12"
\verb"android:layout_width="0dp""
android:layout_height="0dp"
android:layout_marginEnd="110dp"
android:layout_marginBottom="33dp"
app:layout_constraintBottom_toTopOf="@+id/c14"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toEndOf="@+id/c11"
app:layout_constraintTop toBottomOf="@+id/textView18"/>
</androidx.constraintlayout.widget.ConstraintLayout>
Java2:
package com.example.covidapp;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
public class MainActivity2 extends AppCompatActivity {
private TextViewel1, e12, e13, c11, c12, c13, c14, result;
// TextView c11, c12, c13, c14;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity main2);
e11=findViewById(R.id.e11);
e12=findViewById(R.id.e12);
e13=findViewById(R.id.e13);
result=findViewById(R.id.result);
c11=findViewById(R.id.c11);
c12=findViewById(R.id.c12);
c13=findViewById(R.id.c13);
c14=findViewById(R.id.c14);
String eel=getIntent().getStringExtra("keyname");
e11.setText(ee1);
String ee2=getIntent().getStringExtra("keyplace");
e12.setText(ee2);
String ee3=getIntent().getStringExtra("keyaadhaar");
e13.setText(ee3);
String cb1=getIntent().getStringExtra("keycb1");
c11.setText(cb1);
String cb2=getIntent().getStringExtra("keycb2");
c12.setText(cb2);
String cb3=getIntent().getStringExtra("keycb3");
c13.setText(cb3);
String cb4=getIntent().getStringExtra("keycb4");
c14.setText(cb4);
String res=getIntent().getStringExtra("keyresult");
result.setText(res);
```







Enter Name	Name
Place	place
Aadhaar number	Aadhaar no
Symptoms	
Cold Cough	☐ Fever
☐ No smell	Vomiting

SUBMIT



Gopi

Guntur

689254664532

Symptoms

Cold Cough Fever

No smell Vomiting

Diagnosis result Covid Positive



Enter Name

Gopi

Place

Aadhaar number

Guntur

689254664532

- ✓ Cold Cough ☐ Fever

SUBMIT



Gopi

Guntur

689254664532

Symptoms

Cold cough

Vomiting

Diagnosis result Covid Negative