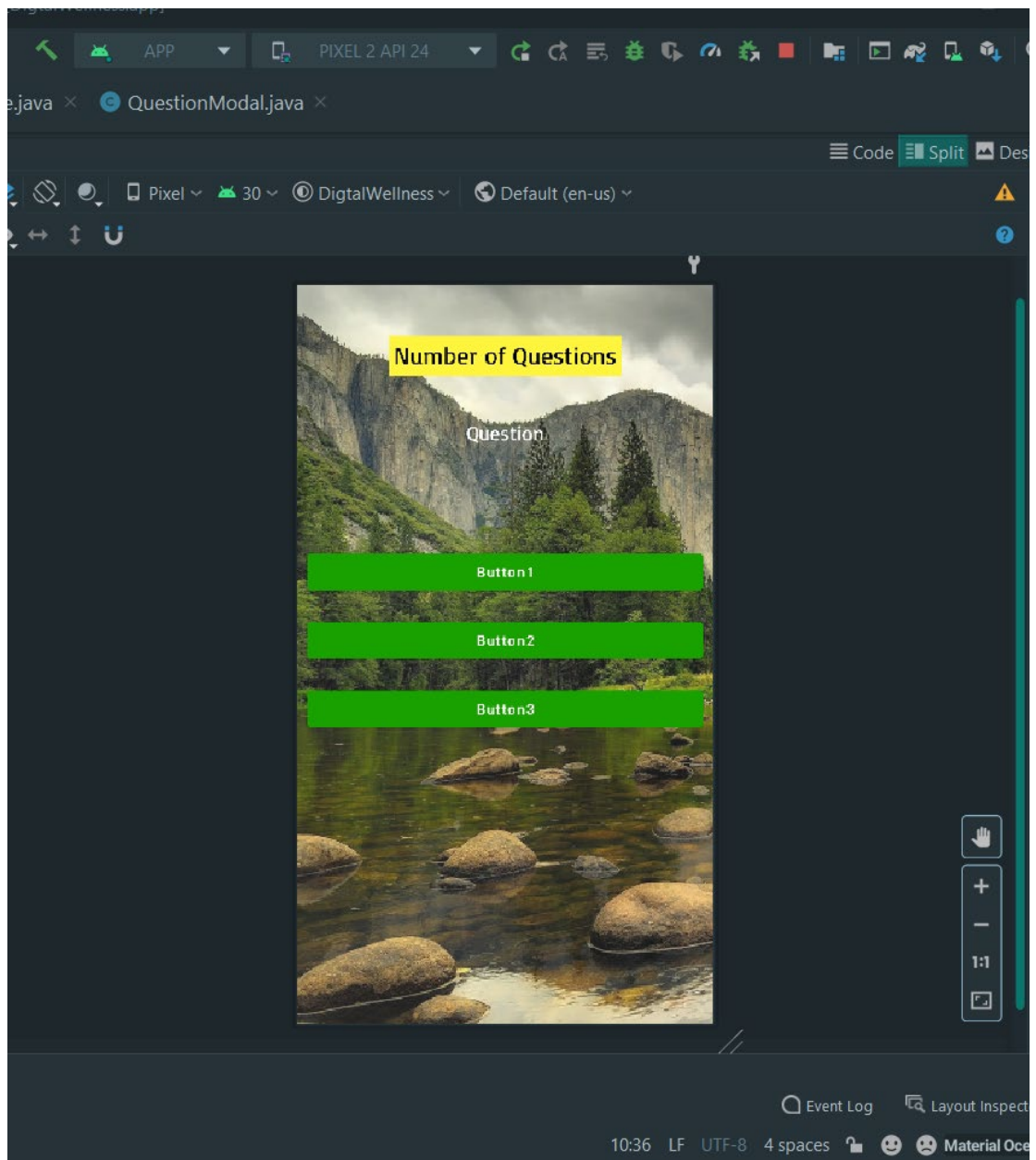# DIGITAL WELNESS QUIZ – ANDROID APPLICATION

XML FILES: -

Main Activity

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

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="0dp"
        android:alpha="0.9"
        android:scaleType="centerCrop"
        app:srcCompat="@drawable/dosovq" />

    <TextView
        android:id="@+id/NumberOfQuestions"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="50dp"
        android:background="#FFF53D"
        android:fontFamily="@font/basic"
        android:gravity="center"
        android:padding="5dp"
        android:text="@string/number_of_questions"
        android:textAlignment="center"
        android:textAllCaps="false"
        android:textColor="@color/black"
        android:textSize="24sp" />

    <TextView
        android:id="@+id/Question"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/NumberOfQuestions"
        android:layout_alignParentStart="true"
        android:layout_marginTop="40dp"
        android:fontFamily="@font/basic"
        android:gravity="center"
        android:padding="5dp"
```

```xml
        android:text="Question"
        android:textAlignment="center"
        android:textAllCaps="false"
        android:textColor="@color/white"
        android:textSize="20sp" />


    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="250dp"
        android:layout_marginEnd="0dp"
        android:layout_below="@id/Question"
        android:orientation="vertical">

        <Button
            android:id="@+id/button"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:backgroundTint="#19A100"
            android:padding="5dp"
            android:text="@string/button1"
            android:textAllCaps="false" />

        <Button
            android:id="@+id/button2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:backgroundTint="#19A100"
            android:padding="5dp"
            android:textAllCaps="false"
            android:text="@string/button2" />

        <Button
            android:id="@+id/button3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:backgroundTint="#19A100"
            android:padding="5dp"
            android:textAllCaps="false"
```
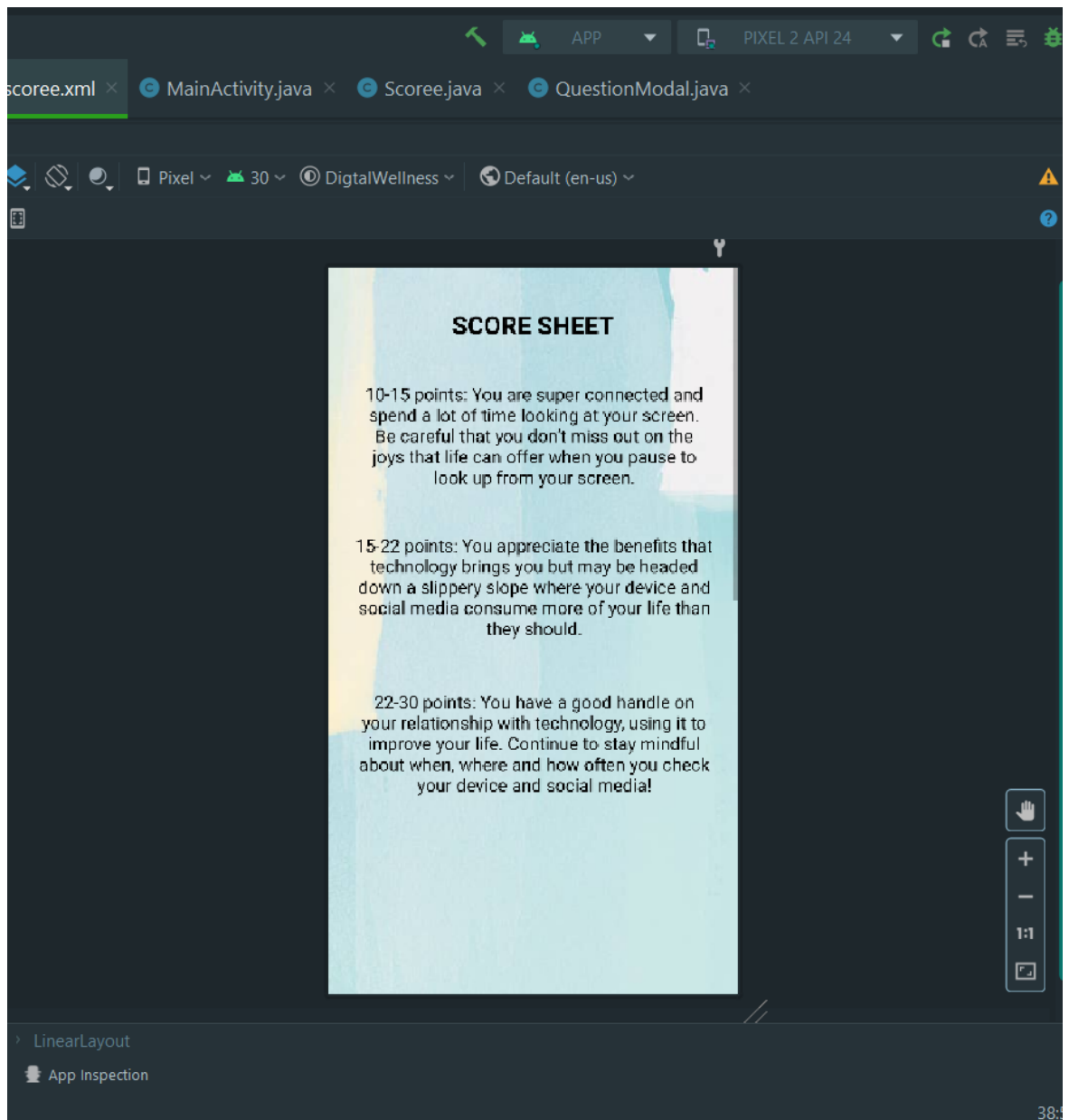
```xml
            android:text="@string/button3" />

    </LinearLayout>



</RelativeLayout>
```

Score Sheet

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

<ScrollView 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:id="@+id/ScrollView01"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">

<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Scoree">

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:scaleType="centerCrop"
        app:srcCompat="@drawable/original_28257_1454955209_3" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/linear"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="40dp"
        android:background="#00FFFFFF"
        android:backgroundTint="#FFFFFF"
        android:text="SCORE SHEET"
        android:textAllCaps="false"
        android:textColor="#000000"
        android:textSize="25sp"
        android:textStyle="bold" />

    <LinearLayout
        android:id="@+id/linear"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_centerInParent="true"
        android:layout_marginStart="10dp"
        android:layout_marginTop="90dp"
```

```xml
        android:layout_marginEnd="8dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:orientation="vertical"
        tools:ignore="InvalidId">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/textView3"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_centerHorizontal="true"
        android:layout_margin="15dp"
        android:layout_marginTop="10dp"
        android:padding="10dp"
        android:text="10-15 points: You are super connected and spend a lot of
time looking at your screen. Be careful that you don't miss out on the joys that life
can offer when you pause to look up from your screen."
        android:textAlignment="center"
        android:textColor="#000000"
        android:textSize="18sp" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/textView4"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_centerHorizontal="true"
        android:layout_gravity="center"
        android:layout_marginTop="10dp"
        android:layout_marginBottom="20dp"
        android:padding="10dp"
        android:text="15-22 points: You appreciate the benefits that technology
brings you but may be headed down a slippery slope where your device and social media
consume more of your life than they should."
        android:textAlignment="center"
        android:textColor="#000000"
        android:textSize="18sp" />

    <TextView
        android:id="@+id/textView4"
```

```xml
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_alignParentStart="true"
            android:layout_alignParentTop="true"
            android:layout_alignParentEnd="true"
            android:layout_centerHorizontal="true"
            android:layout_centerVertical="true"
            android:layout_gravity="center"
            android:layout_marginTop="10dp"
            android:padding="10dp"
            android:text="22-30 points: You have a good handle on your relationship
with technology, using it to improve your life. Continue to stay mindful about when,
where and how often you check your device and social media!"
            android:textAlignment="center"
            android:textColor="#000000"
            android:textSize="18sp" />

    </LinearLayout>


</RelativeLayout>

</ScrollView>
```

JAVA FILES: -

MainActivity.java

```java
package com.example.digtalwellness;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.widget.Button;
import android.widget.LinearLayout;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.material.bottomsheet.BottomSheetDialog;

import org.w3c.dom.Text;

import java.util.ArrayList;
import java.util.Random;

public class MainActivity extends AppCompatActivity
{
    private TextView question,number;
    private Button button1,button2,button3;
    ArrayList<QuestionModal> quizarraylist;
    Random random;
    int currentScore=0, questionAttempted=0, currentPos;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        question = findViewById(R.id.Question);
        number = findViewById(R.id.NumberOfQuestions);
        button1 = findViewById(R.id.button);
        button2 = findViewById(R.id.button2);
        button3 = findViewById(R.id.button3);
        quizarraylist = new ArrayList<>();
        random = new Random();
```

```java
        getQuizQuestion(quizarraylist);
        currentPos = random.nextInt(quizarraylist.size());
        setDataToViews(currentPos);

        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                currentScore = currentScore+3;
                questionAttempted++;
                currentPos = random.nextInt(quizarraylist.size());
                setDataToViews(currentPos);
            }
        });

        button2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                currentScore = currentScore+2;
                questionAttempted++;
                currentPos = random.nextInt(quizarraylist.size());
                setDataToViews(currentPos);
            }
        });
        button3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                currentScore = currentScore+1;
                questionAttempted++;
                currentPos = random.nextInt(quizarraylist.size());
                setDataToViews(currentPos);
            }
        });
    }
    private void setDataToViews(int currentPos)
    {
        if(questionAttempted==10)
        {
            number.setText("Questions Attempted:" + questionAttempted + "/10");
            Toast.makeText(this, "Score:" + currentScore + "/30",
Toast.LENGTH_SHORT).show();
            Intent intent = new Intent(MainActivity.this,Scoree.class);
            intent.putExtra("quizscore",currentScore);
            startActivity(intent);
        }
        else
            {
```

```java
                number.setText("Questions Attempted:" + questionAttempted + "/10");
                question.setText(quizarraylist.get(currentPos).getQuestion());
                button1.setText(quizarraylist.get(currentPos).getOption1());
                button2.setText(quizarraylist.get(currentPos).getOption2());
                button3.setText(quizarraylist.get(currentPos).getOption3());
            }
    }


    private void getQuizQuestion(ArrayList<QuestionModal> quizarraylist)
    {
        quizarraylist.add(new QuestionModal("How often do you check your
smartphone?","Very often","Only if it beeps","Not often"));
        quizarraylist.add(new QuestionModal("How would you feel if you had to go a
day without your phone?","Fine","A little anxious","Stressed out"));
        quizarraylist.add(new QuestionModal("Does anyone close to you ever complain
that you're on your phone or social media too much?","Rarely","Never","All the
time"));
        quizarraylist.add(new QuestionModal("How important is it for you to stay
connected with everything your friends say and do online?","I stay connected, but not
24x7","I never stay connected","I am online 24x7"));
        quizarraylist.add(new QuestionModal("How often do you talk to your friends
face-to-face, instead of through social media, games or texting?","I try meeting them
whenever possible","Occasionally","Never"));
        quizarraylist.add(new QuestionModal("How often do you post something on
social media only to take it down later because of others' reactions?","I don't care
about others' judgement","Only if it may hurt someone's sentiments","All the
time!"));
        quizarraylist.add(new QuestionModal("Do you ever get up in the night to check
your phone?","Sleep is much more important for me","Occasionally","Every night"));
        quizarraylist.add(new QuestionModal("Do you ever miss out on things happening
around you because you're busy taking pictures for social media, or looking to see
what others have posted?","No, I enjoy the present moment","Sometimes","It is now a
habit that I can't get rid of"));
        quizarraylist.add(new QuestionModal("Do you lose track of time when you're on
your device?","I am always self-aware while using social
media","Occasionally","Mostly"));
        quizarraylist.add(new QuestionModal("Have you ever felt envious about
something you've seen on social media?","No, social media is just a small fraction of
real life","Honestly, yes but not all the time","Always"));
    }
}
```

Java File (scoresheet)

```java
package com.example.digtalwellness;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;
import android.widget.Toast;

public class Scoree extends AppCompatActivity {

    TextView textView;
    TextView textView2;
    TextView textView3;
    TextView textView4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_scoree);

        textView = findViewById(R.id.textView);
        textView2= findViewById(R.id.textView2);
        textView3= findViewById(R.id.textView3);
        textView4= findViewById(R.id.textView4);


    }
}
```

QuestionModel.java

```java
package com.example.digtalwellness;

public class QuestionModal
{
    private String question;
    private String option1;
    private String option2;
    private String option3;

    public QuestionModal(String question, String option1, String option2, String option3)
    {
        this.question = question;
        this.option1 = option1;
        this.option2 = option2;
        this.option3 = option3;
    }

    public String getQuestion() {
        return question;
    }

    public void setQuestion(String question) {
        this.question = question;
    }

    public String getOption1() {
        return option1;
    }

    public void setOption1(String option1) {
        this.option1 = option1;
    }

    public String getOption2() {
        return option2;
    }

    public void setOption2(String option2) {
        this.option2 = option2;
    }

    public String getOption3() {
        return option3;
    }
```
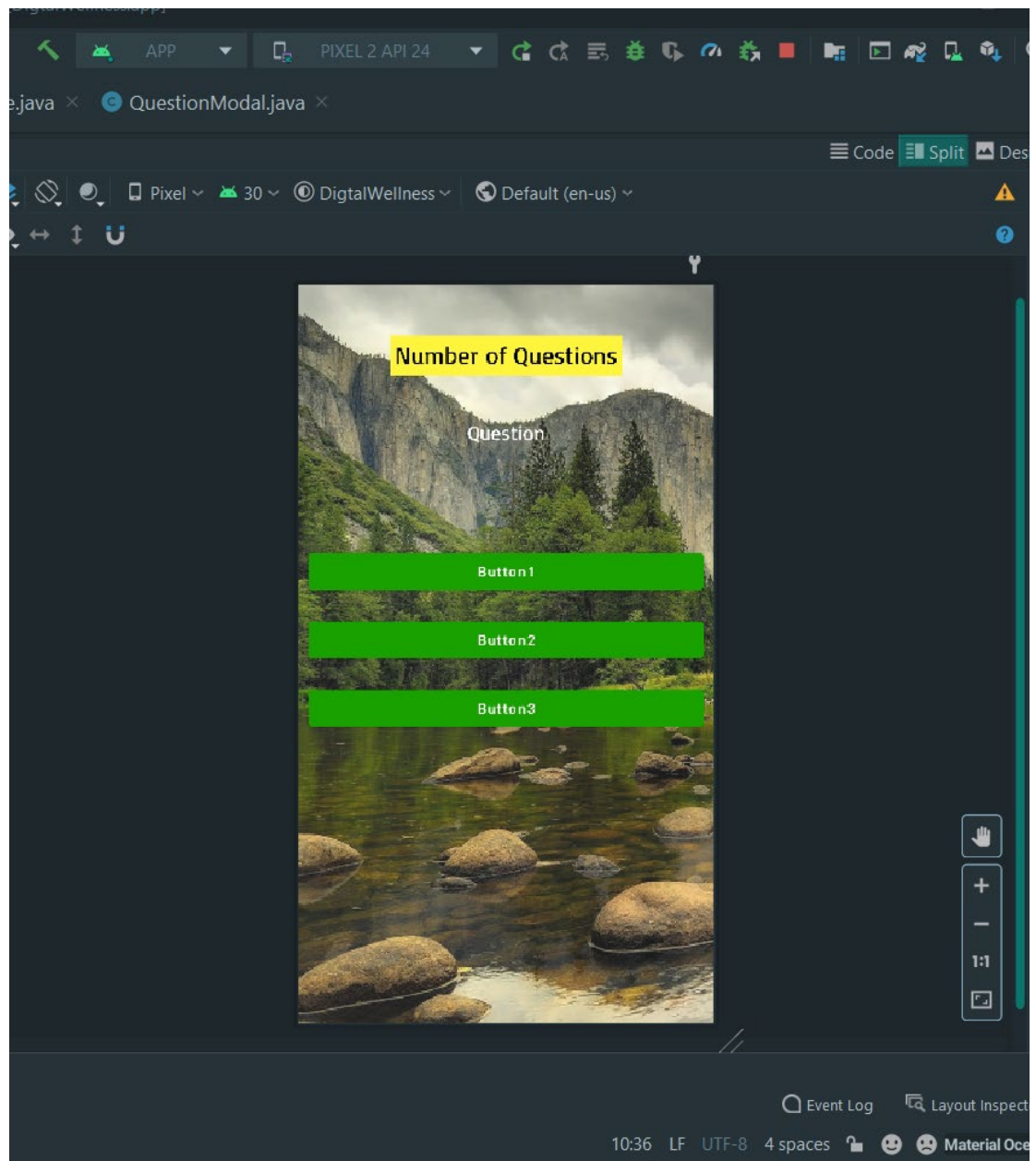
```java
    }

    public void setOption3(String option3) {
        this.option3 = option3;
    }

}
```
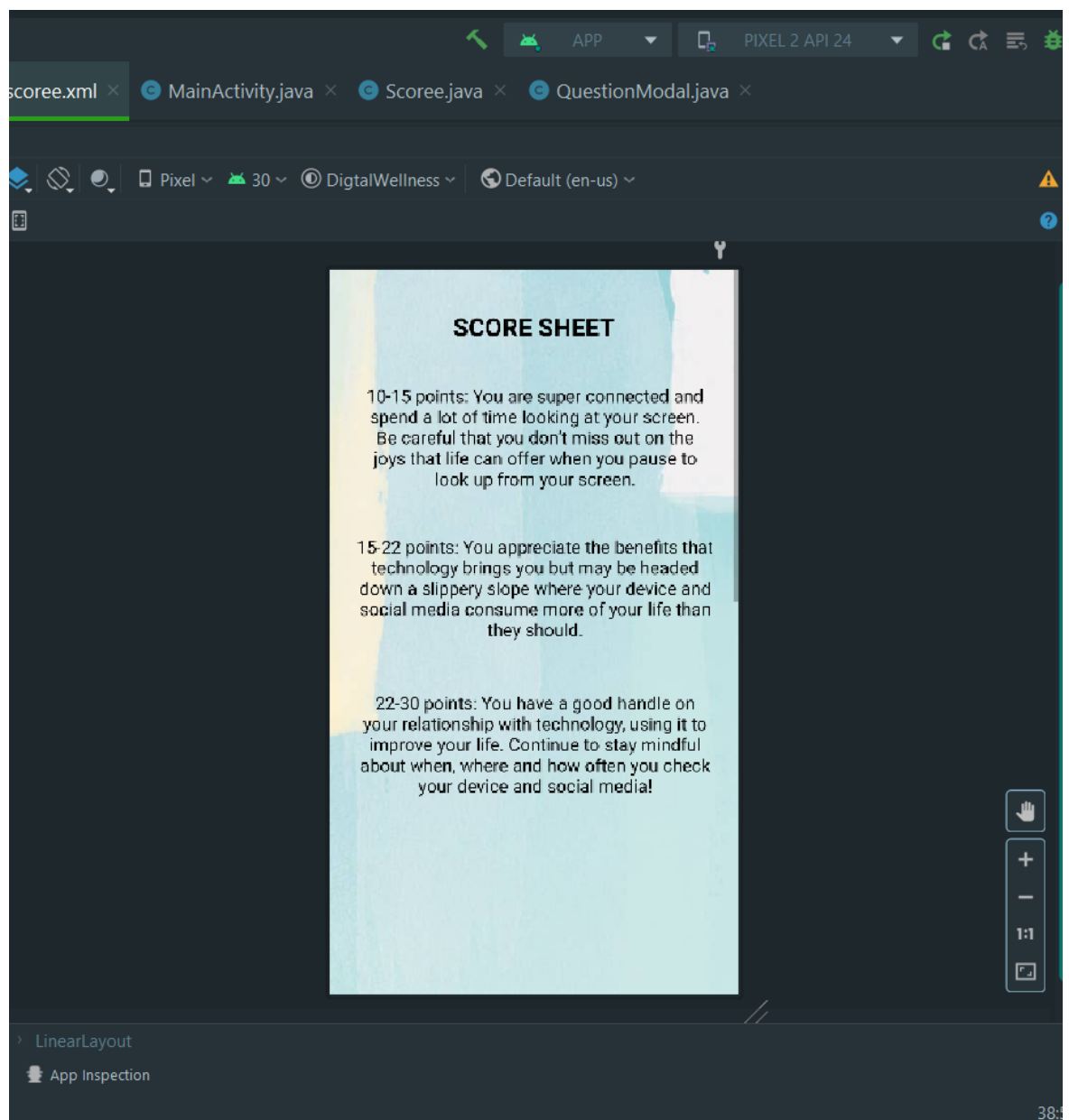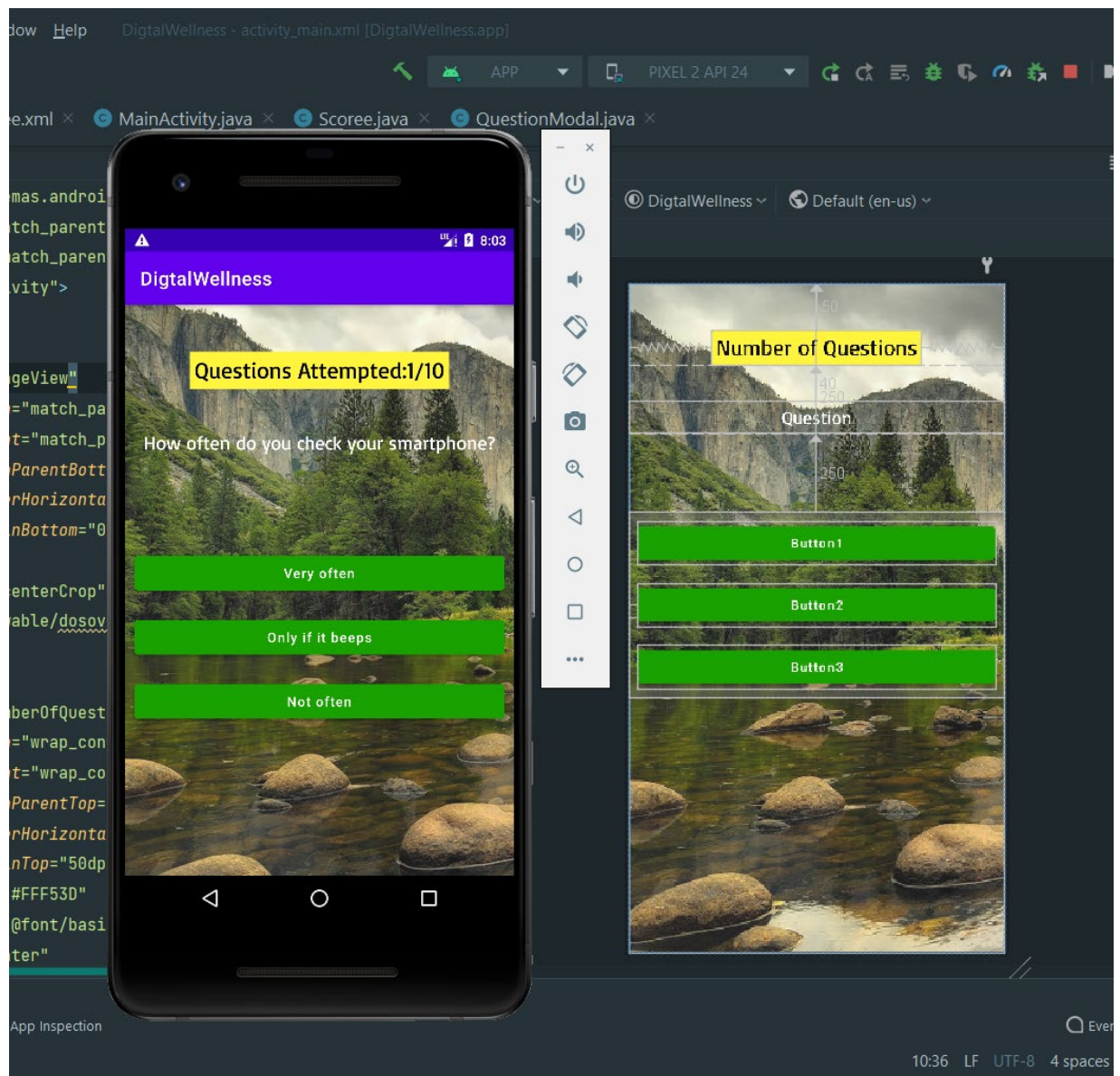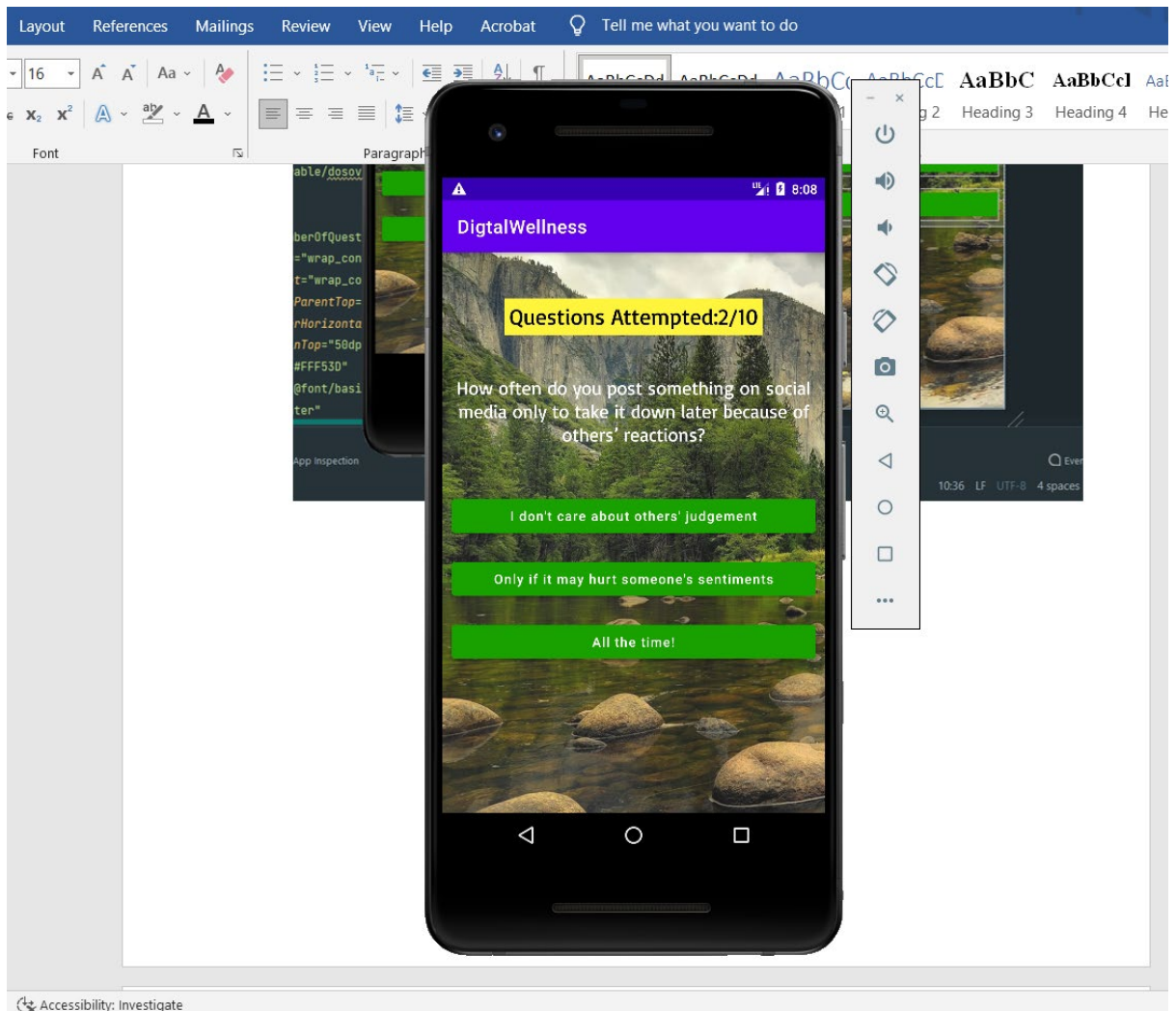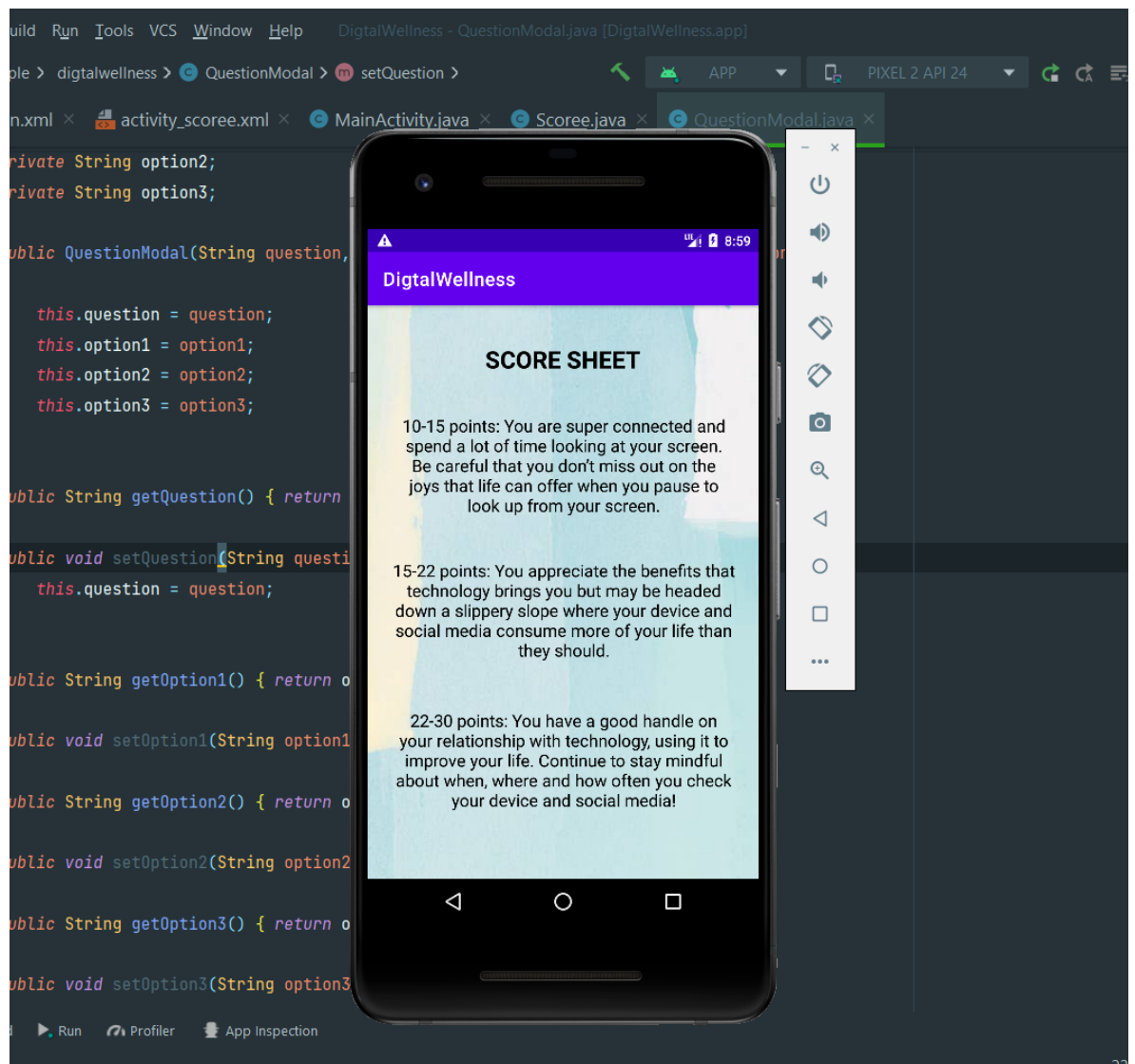
DIGITAL WELLNESS QUIZ

Main Activity

Score Sheet

App Screenshots

App on my device (OnePlus 7 Pro)

DigtalWellness

SCORE SHEET

10-15 points: You are super connected and spend a lot of time looking at your screen. Be careful that you don't miss out on the joys that life can offer when you pause to look up from your screen.

15-22 points: You appreciate the benefits that technology brings you but may be headed down a slippery slope where your device and social media consume more of your life than they should.

22-30 points: You have a good handle on your relationship with technology, using it to improve your life. Continue to stay mindful about when, where and how often you check your device and social media!

Score:20/30