

CW-1

INFT 3101-01

Submission Date: 27-9-2024

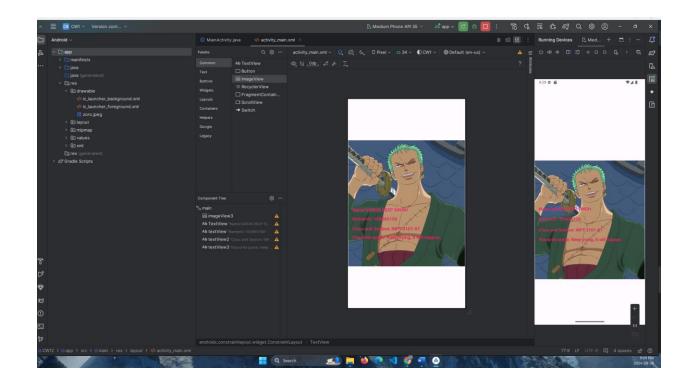
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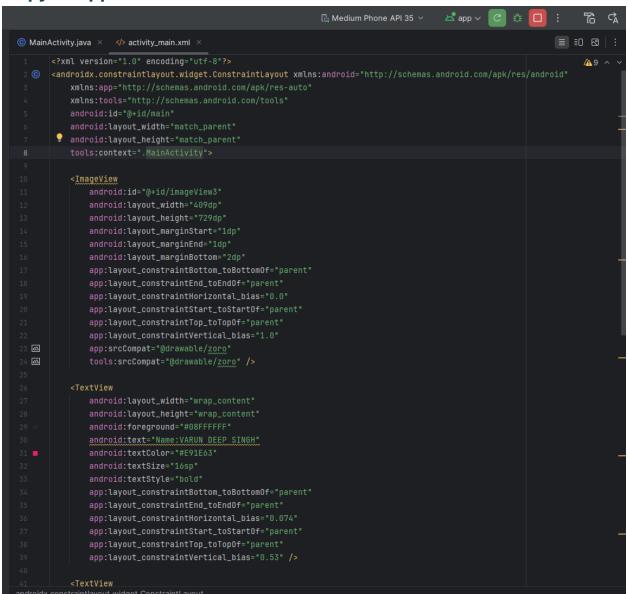
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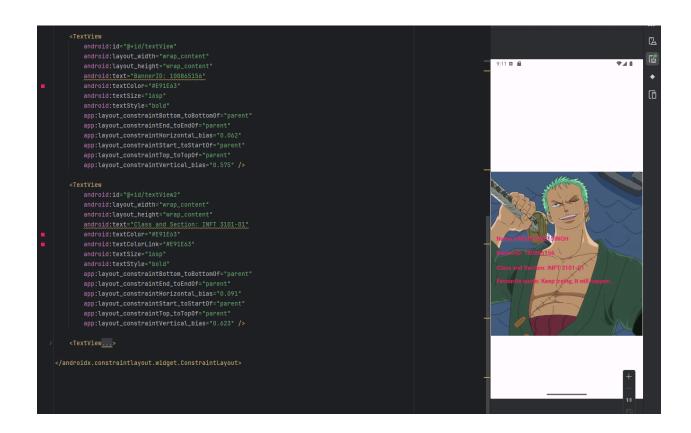
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App preview in Android Studio



Copy of App Code

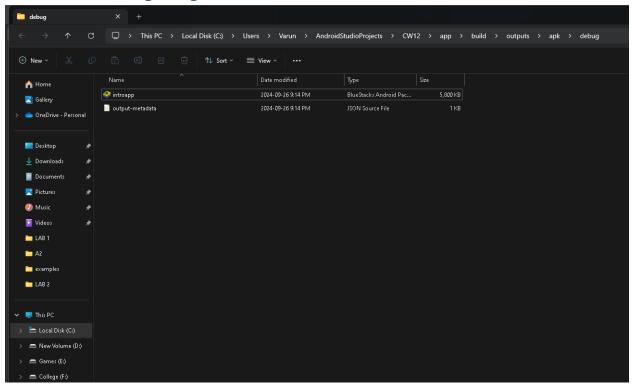




The MainActivity.java

```
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                                                                                                                                                                                                                                                                                                                  📩 app 🗸
package com.example.cw1;
                               import android.os.Bundle;
                                import androidx.activity.EdgeToEdge;
                                import androidx.appcompat.app.AppCompatActivity;
                                import androidx.core.graphics.Insets;
                                import androidx.core.view.ViewCompat;
                               import androidx.core.view.WindowInsetsCompat;
  11 ▷ 
public class MainActivity extends AppCompatActivity {
                                            @Override
                                            protected void onCreate(Bundle savedInstanceState) {
                                                          super.onCreate(savedInstanceState);
                                                          EdgeToEdge.enable( $this$enableEdgeToEdge: this);
                                                          setContentView(R.layout.activity_main);
                                                          \label{linear_power_linear} ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> \{ (insets) = (insets
                                                                        Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
                                                                        {\tt v.setPadding} (systemBars.left,\ systemBars.top,\ systemBars.right,\ systemBars.bottom);\\
```

Folder containing the generated APK file.



App preview in the external emulator (Blue Stacks)



REFLECTION:

This class activity aimed to get hands-on experience with Android Studio as it covered building an APK application for Android from scratch. We started with setting up the development environment which included downloading Android Studio and installing it with the JDK (Java development kit). I was already familiar with JDK and Java, which made me better understand the topics the professor covered in the class. The steps were simple and straightforward, so I did not face any difficulties in generating the app. The emulator in Android Studio provides us with a preview tab where styling and insertion of elements can be done simply by dragging and dropping components. The class work helped me gain experience with navigating through different sections of the app. We also had to

test our APK file in an external emulator and check if the out matches the one in Android Studio. To conclude, I can say that It was a fun activity with a lot of fruitful outcomes in terms of knowledge and experience.