

Class Work 1
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Mobile Development
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Contents

App Code	3
Screenshots	5
App in Android Studio Emulator	5
App in External Emulator – LD Player	6
Reflection	7

App Code

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="30dp"
    android:background="#1f1f1f"
    tools:context=".MainActivity">

    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:background="@drawable/layout_bg"
        android:gravity="center"
        android:orientation="vertical"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <TextView
            android:id="@+id/fullName"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:fontFamily="sans-serif-smallcaps"
            android:text="@string/full_name"
            android:textColor="#E8E8E8"
            android:textSize="20sp" />

        <TextView
            android:id="@+id/studentNumber"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:fontFamily="sans-serif-smallcaps"
            android:text="@string/student_number"
            android:textColor="#E8E8E8"
            android:textSize="20sp" />
```

```
<TextView
    android:id="@+id/studentNumber"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif-smallcaps"
    android:text="@string/student_number"
    android:textColor="#E8E8E8"
    android:textSize="20sp" />

<TextView
    android:id="@+id/className"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif-smallcaps"
    android:text="@string/course_code"
    android:textColor="#E8E8E8"
    android:textSize="20sp" />

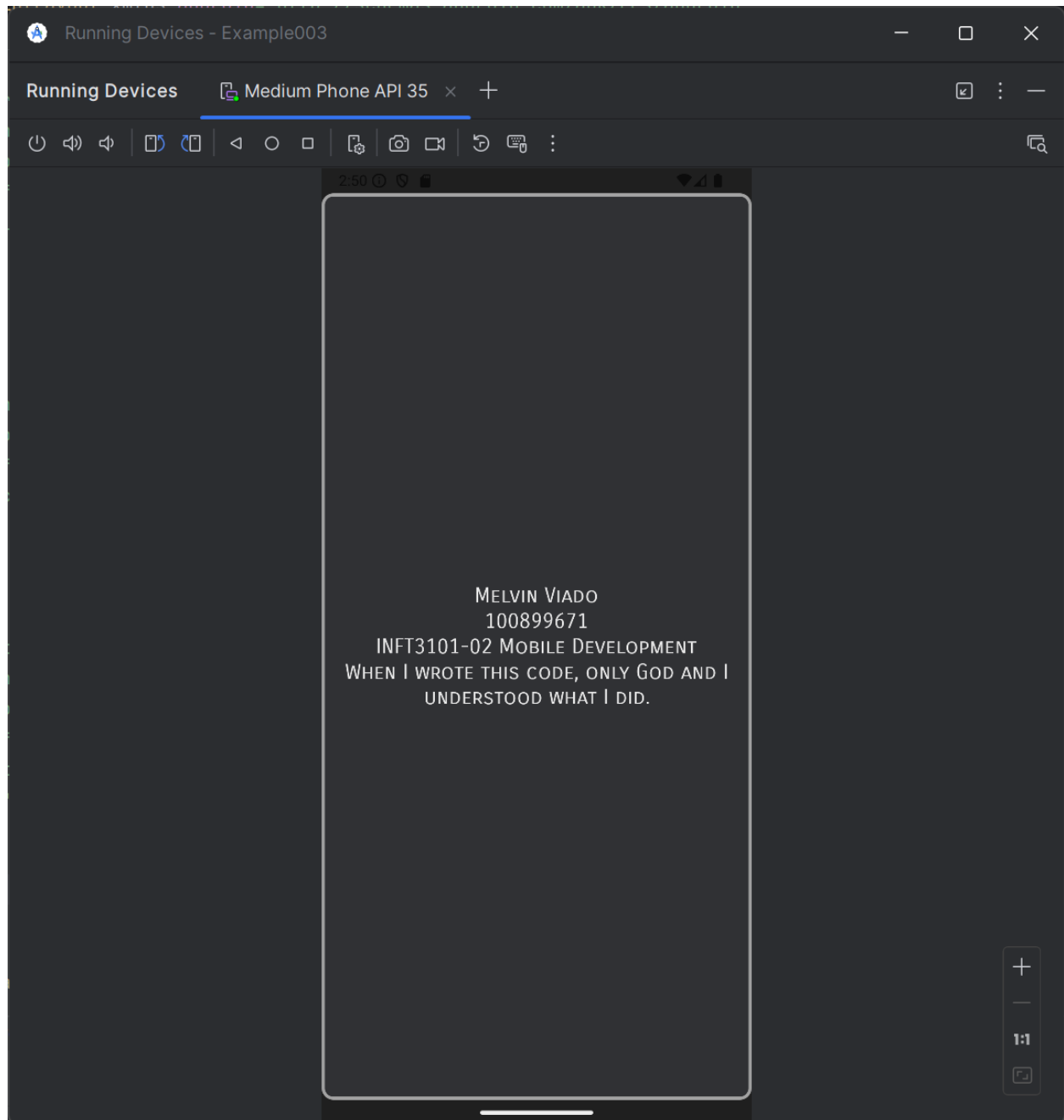
<TextView
    android:id="@+id/favouriteQuote"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif-smallcaps"
    android:text="@string/favourite_quote"
    android:textAlignment="center"
    android:textColor="#E8E8E8"
    android:textSize="20sp" />

</LinearLayout>

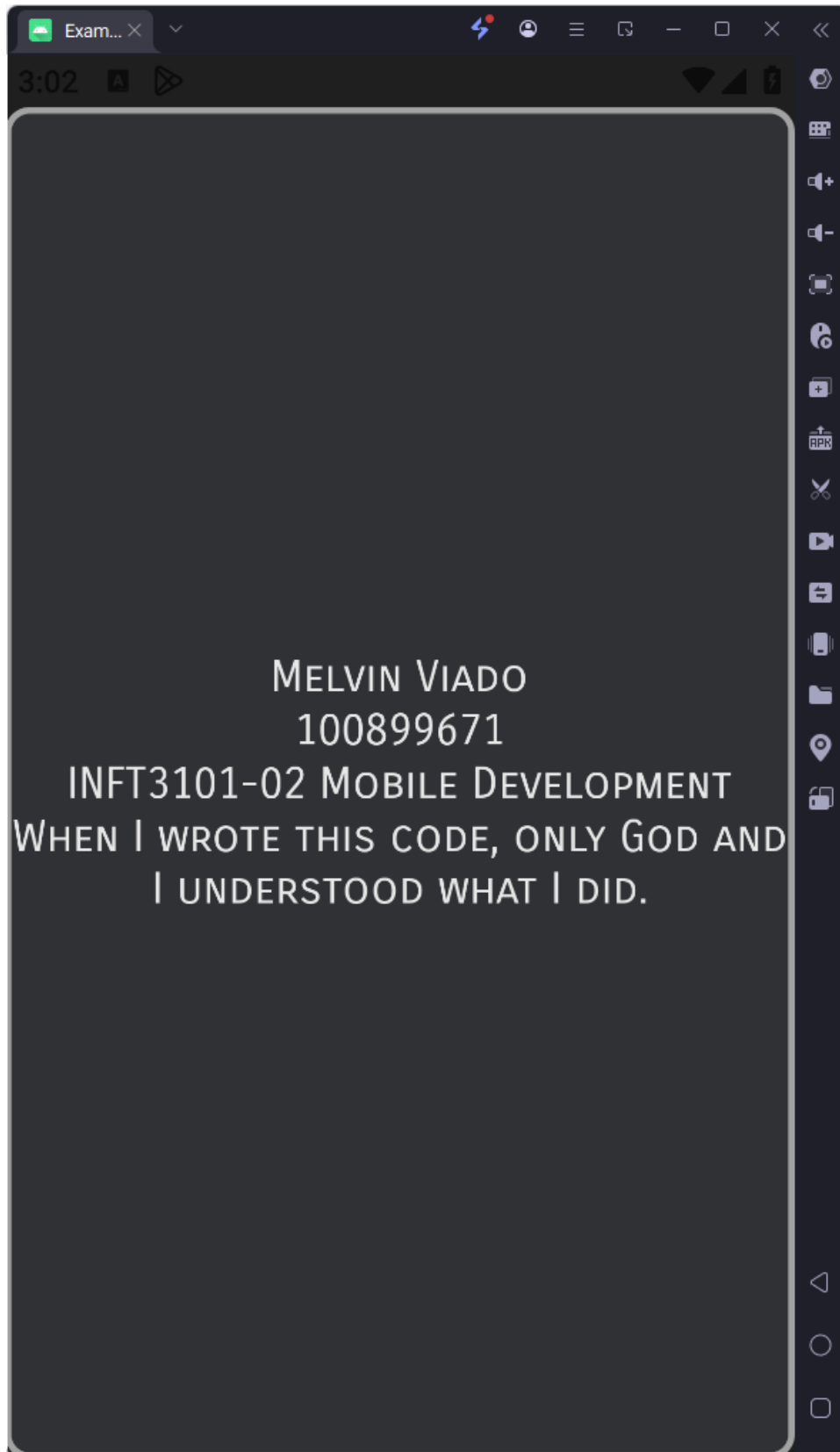
</androidx.constraintlayout.widget.ConstraintLayout>
```

Screenshots

App in Android Studio Emulator



App in External Emulator – LD Player



Reflection

My experience with Android Studio was relatively smooth compared to other Integrated Development Environments with a few exceptions. First, the unfamiliar interface was a challenge as I took a good amount of time with what tools or features were available and where they were accessed. Secondly, the project in Android Studio was handled in a different way in comparison to, let us say, Visual Studio Code. Android Studio has many files in the folder structure while we mainly only using one file for this assignment. Once I got a handle with these two aspects of this IDE, I found that Android Studio is quite intuitive with its structure for development. Along with the help of Youtube, and Google, learning how to make a simple mobile application view is quite easy.