

Title: Android Studio: App Development

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Course Code: INFT 3101

Institution Name: Durham College

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Logo:

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COPY OF 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"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView4"
        android:layout_width="289dp"
        android:layout_height="46dp"
        android:text="Talent Nyota,"
        android:textSize="35dp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.544"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="388dp"
        android:layout_marginTop="6dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/android_blue" />

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

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/"
    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"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="133dp"
        android:layout_height="33dp"
        android:layout_marginStart="117dp"
        android:layout_marginTop="36dp"
        android:layout_marginEnd="236dp"
        android:text="100761242"
        android:textSize="25dp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.684"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView4" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="253dp"
        android:layout_height="55dp"
        android:layout_marginStart="121dp"
        android:layout_marginTop="48dp"
        android:layout_marginEnd="232dp"
        android:text="INF3101 - Android Studio: App Development"
        android:textSize="20dp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.282"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <TextView
```

2024-09-27

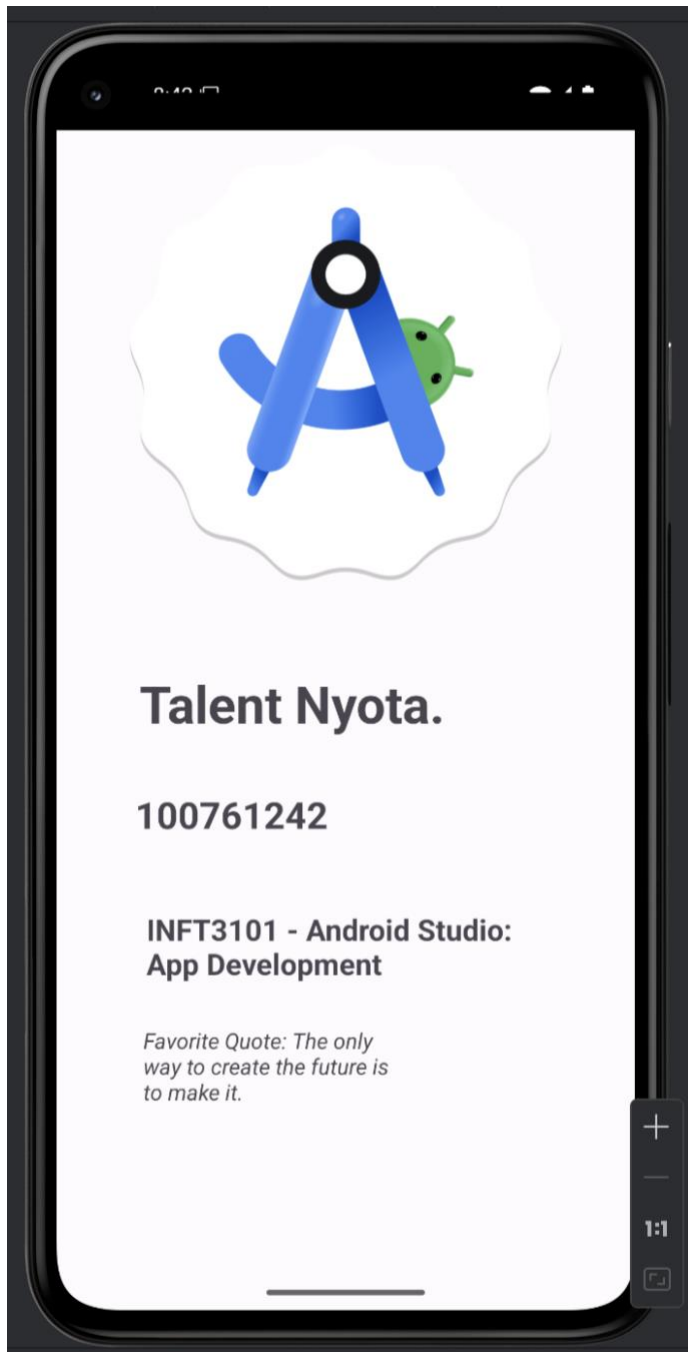
```

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/
    <TextView
        android:layout_marginTop="40dp"
        android:layout_marginEnd="232dp"
        android:text="INFT3101 - Android Studio: App Development"
        android:textSize="20dp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.282"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

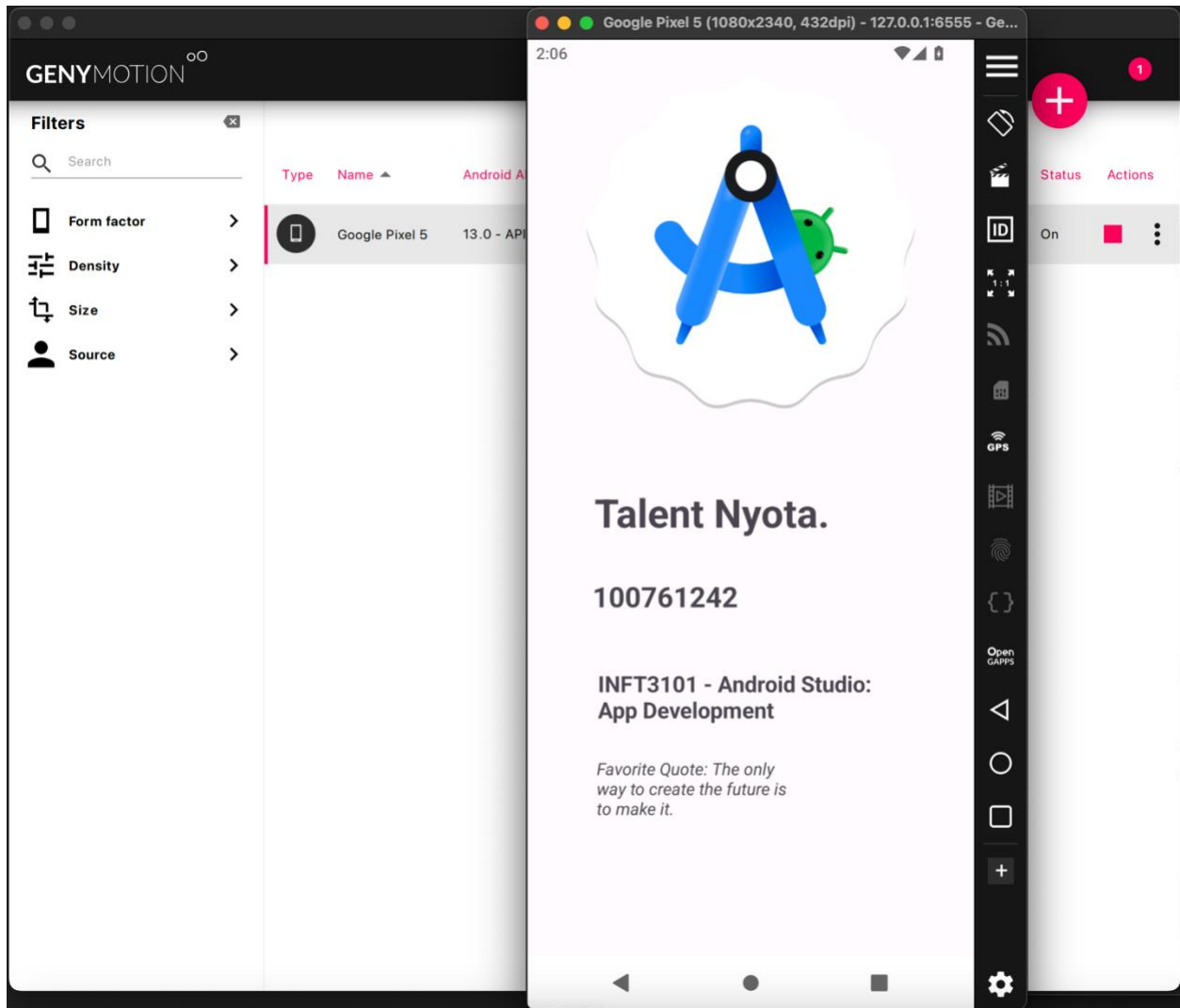
    <TextView
        android:id="@+id/textView3"
        android:layout_width="177dp"
        android:layout_height="63dp"
        android:layout_marginStart="121dp"
        android:layout_marginTop="24dp"
        android:layout_marginEnd="232dp"
        android:text="Favorite Quote: The only way to create the future is to make it."
        android:textSize="15dp"
        android:textStyle="italic"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.453"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

ANDROID STUDIO EMULATOR SCREENSHOTS.

Genymotion External Emulator Screenshot of The App Running.



REFLECTION.

Building my first Android app using Android Studio was both exciting and challenging. The goal of the project was to create an app that shows personal details like my name, banner ID, class, section, and a favorite quote. This gave me practical experience with Android development tools.

Learning Experience

Designing the user interface (UI) was fun because I got to try out different layouts in the XML file to display my information. Testing the app on both the built-in emulator and an external emulator like , **Bluestacks** helped me understand how apps work on different devices.

Challenges Faced

I ran into some errors with the code, like using `android:margin` instead of `android:layout_margin`, which showed me how important it is to pay attention to details. Figuring out how to handle window insets for full-screen layouts took some research, but it helped me learn how to manage system UI elements in Android.

This project gave me hands-on experience with every step of Android app development, from setup to testing.