

# CREATE UI TO INTERACT WITH APPLICATION

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1.2A: Make Your First Interactive

google-developer-training.github.io/android-developer-fundamentals-course-practicals/en/Unit%201/12\_p\_make\_your\_first\_interactive\_ui.html

## 2.1 Explore the Layout Editor

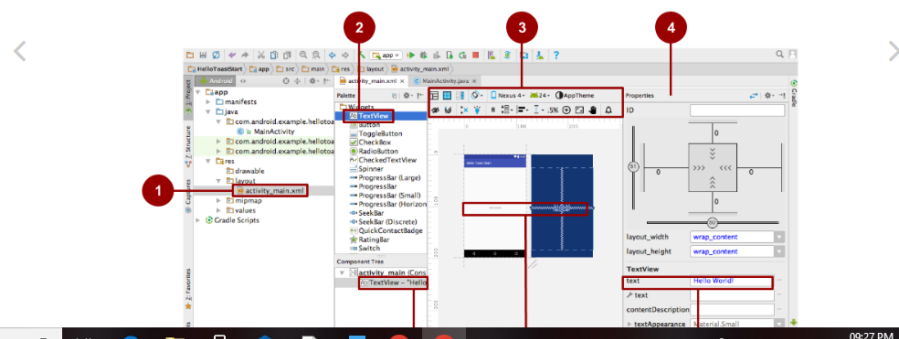
Use the Layout Editor to create the layout of the user interface elements, and to preview your app using different devices and app themes, resolutions, and orientations.

Refer to the screenshot below to match

1. In the **app > res > layout** folder, open the **activity\_main.xml** file (1).

The Android Studio Screen should look similar to the screenshot below. If you see the XML code for the UI layout, click the **Design** tab below the Component Tree (8).

2. Using the annotated screenshot below as a guideline, explore the Layout Editor.



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1.2A: Make Your First Interactive UI

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## Android Developer Fundamentals Course

Introduction

Unit 1: Get Started

Lesson 1: Build Your First App

1.1: Install Android Studio and Run Hello World

1.2A: Make Your First Interactive UI

1.2B: Using Layouts

1.3: Working with TextView Elements

1.4: Learning About Available Resources

Lesson 2: Activities

2.1: Create and Start Activities

2.2: Activity Lifecycle and

7. Run the code to make sure it still works.

8. Switch back to **Design**.

9. Verify in the **Component Tree** pane that the top element is now a **LinearLayout** with its **orientation** attribute set to **"vertical"**.

**Solution Code:** Depending on your version of Android Studio, your code will look something like the following.

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context="helloworld.android.example.com.helloworld.MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!" />

</LinearLayout>
```

https://google-developer-training.github.io/android-developer-fundamentals-course-practicals/en/Unit 1/12b\_p\_using\_layouts.html

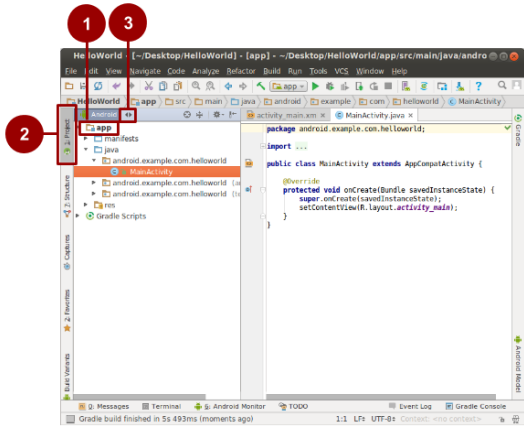
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1.1: Install Android Studio and Run Hello World

google-developer-training.github.io/android-developer-fundamentals-course-practicals/en/Unit%201%2F11\_p\_hello\_world.html

The Android Studio window should look similar to the following diagram.



You can look at the hierarchy of the files for your app in multiple ways.

1. Click on the **Hello World** folder to expand the hierarchy of files (1).
2. Click on **Project** (2).
3. Click on the **Android** menu (3).
4. Explore the different view options for your project.

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