

Laboratory Activity 1: Hello World!

XML 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:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/bg"
    tools:context=".MainActivity">

    <me.biubiubiu.justifytext.library.JustifyTextView
        android:id="@+id/textView2"
        android:layout_width="343dp"
        android:layout_height="61dp"
        android:fontFamily="@font/uto_bold"
        android:lineSpacingMultiplier="1.3"
        android:text="Earth, our home planet, is a world unlike any other.
The third planet from the sun, Earth is the only place in the known universe
confirmed to host life."
        android:textColor="#656565"
        android:textSize="14sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.68"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.794"
        tools:ignore="HardcodedText,TextSizeCheck" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="122dp"
        android:layout_height="13dp"
        android:fontFamily="@font/uto_bold"
        android:text="National Geographic"
        android:textColor="#595f8b"
        android:textSize="12sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.83"
        tools:ignore="HardcodedText,TextSizeCheck" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="144dp"
        android:layout_height="15dp"
        android:fontFamily="@font/uto_bold"
        android:text="Tobello, Jhon Marlou"
        android:textColor="#FFFFFF"
        android:textSize="14sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.927"
tools:ignore="HardcodedText,TextSizeCheck" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="55dp"
    android:layout_height="14dp"
    android:layout_marginStart="1dp"
    android:layout_marginTop="80dp"
    android:fontFamily="@font/uto_bold"
    android:text="INF 227"
    android:textColor="#FFFFFF"
    android:textSize="14sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.944"
    tools:ignore="HardcodedText,TextSizeCheck" />
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:fontFamily="@font/uto_bold"
    android:text="Earth"
    android:textColor="#595f8b"
    android:textSize="24pt"
    android:visibility="visible"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.698"
    tools:ignore="HardcodedText" />
```

```
<TextView
    android:id="@+id/mainTextView"
    android:layout_width="332dp"
    android:layout_height="115dp"
    android:layout_centerVertical="true"
    android:fontFamily="@font/mpp_one"
    android:gravity="center"
    android:shadowColor="#40000000"
    android:shadowDx="0"
    android:shadowDy="30"
    android:shadowRadius="40"
    android:text="Hello World!"
    android:textColor="#FFFFFF"
    android:textSize="18.2pt"
    android:visibility="visible"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.491"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.074"
    tools:ignore="HardcodedText" />
```

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

Virtual Output

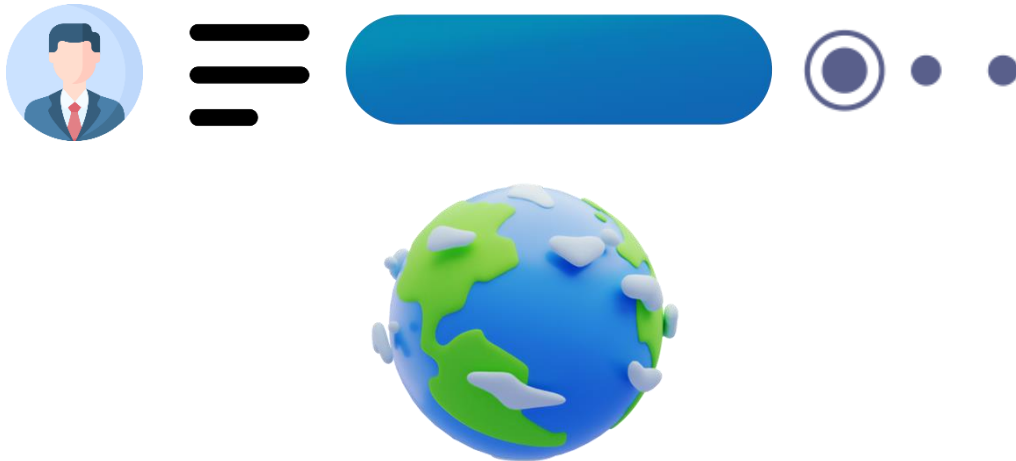


Documentation

Used Fonts:

- Mochiy Pop P One – Regular (Hello World!)
- Uto – Bold

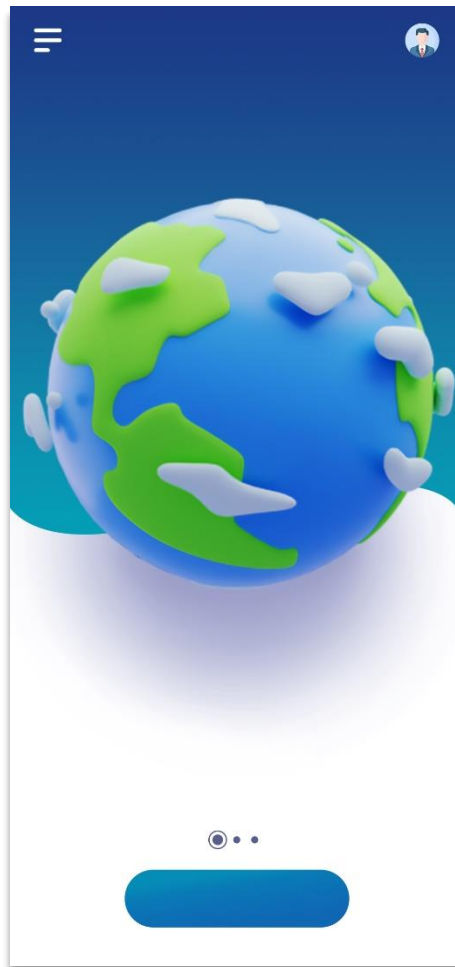
Elements:



Color palette:



Main background:



Tools and References:

Adobe Photoshop 2023

Android Studio (Hedgehog)

Virtual Device: Pixel 4 API 33 | Android 13 "Tiramisu"

Earth art - <https://cliply.co/clip/earth-emoji/>

Earth description - <https://www.nationalgeographic.com/science/article/earth>

Elements - <https://www.flaticon.com/>

Main design reference - <https://dribbble.com/shots/17832180-Earth-Hour-Day/attachments/13004662?mode=media>
