

Laboratory Activity 2: User Interface

XML Code

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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/main_bg"
    android:orientation="vertical"
    android:weightSum="5"
    tools:context=".MainActivity"
    tools:ignore="HardcodedText">

    <!-- Menu | SSS title & logo -->
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="2.02"
        android:orientation="vertical">

        <ImageView
            android:layout_width="28dp"
            android:layout_height="28dp"
            android:layout_marginLeft="19dp"
            android:layout_marginTop="19dp"
            android:src="@drawable/menu" />

        <ImageView
            android:layout_width="155dp"
            android:layout_height="116dp"
            android:layout_marginLeft="118dp"
            android:layout_marginTop="73dp"
            android:src="@drawable/main_logo" />

        <TextView
            android:layout_width="325dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginTop="14dp"
            android:fontFamily="@font/generalsans"
            android:gravity="center"
            android:text="SOCIAL SECURITY SYSTEM"
            android:textColor="#FFFFFF"
            android:textSize="23dp" />

    </LinearLayout>

    <!-- User ID | Password -->
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1.02"
        android:orientation="vertical">

        <EditText
            android:id="@+id/ID"
            android:layout_width="345dp"
            android:layout_height="66dp"
            android:layout_gravity="center"
```

```
        android:layout_marginLeft="15dp"
        android:layout_marginTop="9dp"
        android:layout_marginRight="15dp"
        android:background="@drawable/custom_textfield"
        android:fontFamily="@font/poppins"
        android:hint="USER ID"
        android:paddingTop="1dp"
        android:paddingLeft="22dp"
        android:paddingRight="15dp"
        android:textColor="#ffffff"
        android:textColorHint="#ffffff"
        android:textSize="17dp" />
```

```
<EditText
    android:id="@+id/password"
    android:layout_width="345dp"
    android:layout_height="66dp"
    android:layout_gravity="center"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="19dp"
    android:layout_marginRight="15dp"
    android:background="@drawable/custom_textfield"
    android:fontFamily="@font/poppins"
    android:hint="PASSWORD"
    android:paddingTop="1dp"
    android:paddingLeft="22dp"
    android:paddingRight="15dp"
    android:textColor="#ffffff"
    android:textColorHint="#ffffff"
    android:inputType="textPassword"
    android:textSize="17dp"
    android:longClickable="false"
    android:drawableEnd="@drawable/ic_hide" />
```

```
</LinearLayout>
```

```
<!-- Employer Login | Forgot Password -->
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="0dp"
    android:layout_weight="0.30"
    android:orientation="horizontal">
```

```
<ImageView
    android:id="@+id/customCheckBox"
    android:layout_width="32dp"
    android:layout_height="32dp"
    android:layout_marginTop="6dp"
    android:layout_marginStart="25dp"
    android:background="@drawable/custom_checkbox"
    android:clickable="true"
    android:focusable="true"
    android:onClick="onCheckboxClicked" />
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="13dp"
    android:layout_marginTop="11dp"
    android:fontFamily="@font/poppins"
    android:text="Employer Login"
    android:textColor="#FFFFFF"
    android:textSize="15.3dp" />
```

```

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="45dp"
            android:layout_marginTop="11dp"
            android:fontFamily="@font/poppins"
            android:text="Forgot Password?"
            android:textColor="#FFFFFF"
            android:textSize="15.3dp" />

    </LinearLayout>

    <!-- Sign in -->
    <LinearLayout
        android:id="@+id/signIn"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1.66"
        android:orientation="horizontal"
        android:gravity="top|center_horizontal">

        <RelativeLayout
            android:layout_width="wrap_content"
            android:layout_height="74dp">

            <ImageView
                android:layout_width="938px"
                android:layout_height="165px"
                android:layout_centerInParent="true"
                android:layout_marginTop="14dp"
                android:src="@drawable/signin" />

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="29dp"
                android:layout_centerInParent="true"
                android:fontFamily="@font/poppins"
                android:text="Sign in"
                android:textColor="#FFFFFF"
                android:textSize="18.6sp" />

        </RelativeLayout>

    </LinearLayout>

</LinearLayout>

```

Virtual Output



Documentation

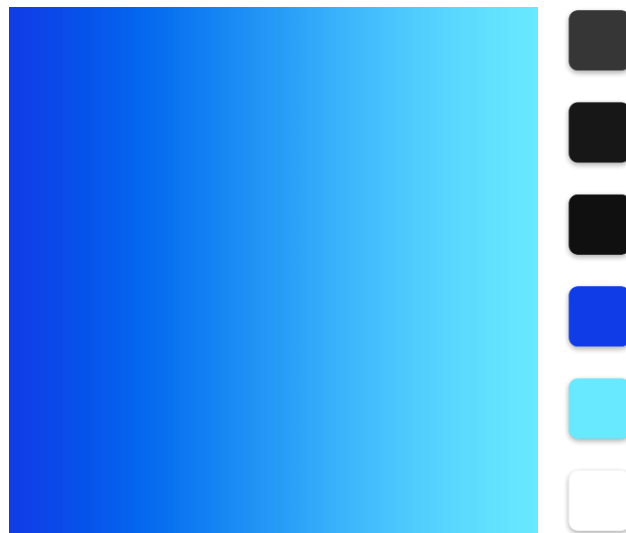
Used Fonts:

- General Sans – Bold (SSS title)
- Poppins – Medium

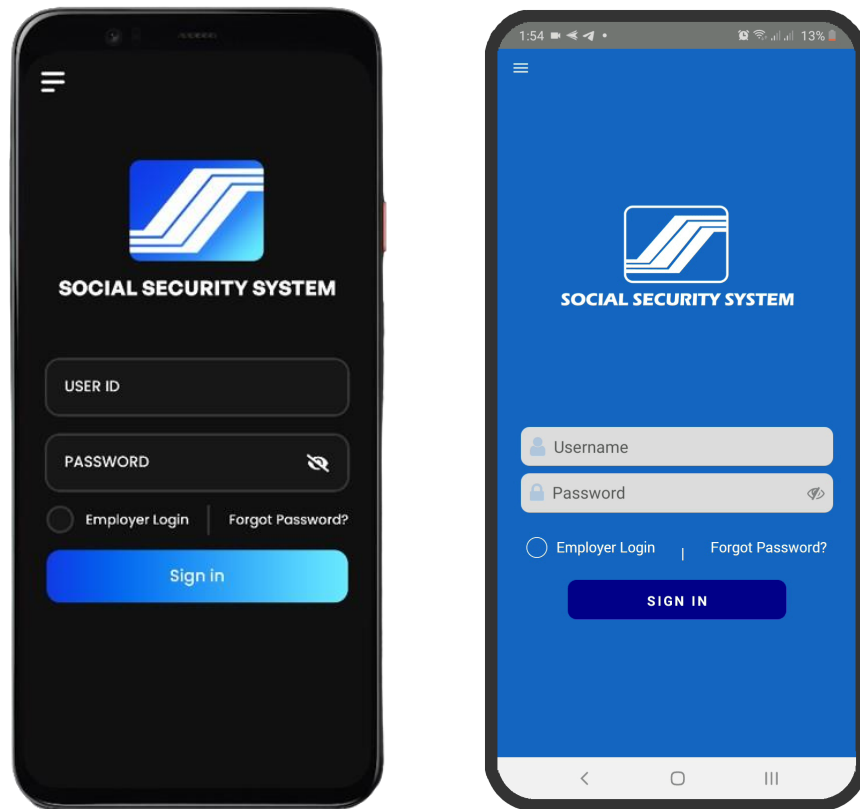
Elements:



Color palette:



Original app comparison:



Sample demo:

<https://drive.google.com/file/d/1Uf0V3yDTaL3OgbWh8ODbcT0ru-DMfMOE/view?usp=sharing>

Tools and References:

Adobe Photoshop 2023

Android Studio (Hedgehog)

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

Design reference – <https://dribbble.com/shots/15230513-Sign-up-Daily-UI-001>

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

Tutorials – <https://www.youtube.com/@StevdzaSan>

Jhon Marlou Tobello

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Application Development

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