**Muhammad Abdullah**

**SE(6A) | 19F-0916**

Software for Mobile Devices

Assignment 1: Layouts

**TASK 1: 3 Screens**

**Constraint Layout**

**Activity 1:**

**Graphical user interface

Description automatically generated**

*<?***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:backgroundTint="#A19E9E"  
 android:hapticFeedbackEnabled="false"  
 tools:context=".Assigment\_1.With\_Constraint.Task\_1.Activity1MainActivity"**>  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName5"  
 android:layout\_width="266dp"  
 android:layout\_height="48dp"  
 android:autofillHints=""  
 android:background="@drawable/blackborder"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#757575"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline9"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline13"  
 app:layout\_constraintHorizontal\_bias="0.84"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline8"  
 app:layout\_constraintVertical\_bias="0.0"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName4"  
 android:layout\_width="269dp"  
 android:layout\_height="48dp"  
 android:autofillHints=""  
 android:background="@drawable/blackborder"  
 android:ems="10"  
 android:hint="@string/email\_address"  
 android:inputType="textWebEmailAddress"  
 android:textAlignment="center"  
 android:textColorHint="#757575"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline8"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline13"  
 app:layout\_constraintHorizontal\_bias="0.481"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline14"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline7"  
 app:layout\_constraintVertical\_bias="0.166"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName3"  
 android:layout\_width="270dp"  
 android:layout\_height="48dp"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/name"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:background="@drawable/blackborder"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline7"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline13"  
 app:layout\_constraintHorizontal\_bias="0.795"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline6"** />  
  
 <**Button  
 android:id="@+id/button3"  
 android:layout\_width="263dp"  
 android:layout\_height="48dp"  
 android:backgroundTint="#00BCD4"  
 android:text="@string/sign\_up"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textStyle="bold"  
  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline10"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline13"  
 app:layout\_constraintHorizontal\_bias="0.545"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline14"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline9"  
 app:layout\_constraintVertical\_bias="0.136"  
 tools:ignore="TextContrastCheck"** />  
  
 <**Button  
 android:id="@+id/button4"  
 android:layout\_width="103dp"  
 android:layout\_height="48dp"  
 android:layout\_marginEnd="68dp"  
 android:backgroundTint="#FFFFFF"  
 android:text="@string/sign\_in"  
 android:textAlignment="textStart"  
 android:textColor="#0277BD"  
 android:textSize="12sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline12"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline10"  
 app:layout\_constraintVertical\_bias="0.261"** />  
  
 <**TextView  
 android:id="@+id/textView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/already\_have\_an\_account"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline12"  
 app:layout\_constraintEnd\_toStartOf="@+id/button4"  
 app:layout\_constraintHorizontal\_bias="0.912"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline14"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline10"  
 app:layout\_constraintVertical\_bias="0.403"** />  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="32dp"  
 android:layout\_height="35dp"  
 android:layout\_marginBottom="10dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toBottomOf="@+id/editTextTextPersonName3"  
 app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName3"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/editTextTextPersonName3"  
 app:layout\_constraintTop\_toTopOf="@+id/editTextTextPersonName3"  
 app:layout\_constraintVertical\_bias="1.0"  
 app:srcCompat="@drawable/user"** />  
  
 <**ImageView  
 android:id="@+id/imageView3"  
 android:layout\_width="32dp"  
 android:layout\_height="30dp"  
 android:layout\_marginBottom="15dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toBottomOf="@+id/editTextTextPersonName4"  
 app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName4"  
 app:layout\_constraintHorizontal\_bias="0.004"  
 app:layout\_constraintStart\_toStartOf="@+id/editTextTextPersonName4"  
 app:layout\_constraintTop\_toTopOf="@+id/editTextTextPersonName4"  
 app:layout\_constraintVertical\_bias="1.0"  
 app:srcCompat="@drawable/email"** />  
  
 <**ImageView  
 android:id="@+id/imageView5"  
 android:layout\_width="28dp"  
 android:layout\_height="31dp"  
 android:layout\_marginBottom="13dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toBottomOf="@+id/editTextTextPersonName5"  
 app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName5"  
 app:layout\_constraintHorizontal\_bias="0.012"  
 app:layout\_constraintStart\_toStartOf="@+id/editTextTextPersonName5"  
 app:layout\_constraintTop\_toTopOf="@+id/editTextTextPersonName5"  
 app:layout\_constraintVertical\_bias="1.0"  
 app:srcCompat="@drawable/padlock"** />  
  
 <**ImageView  
 android:id="@+id/imageView6"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline6"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline13"  
 app:layout\_constraintHorizontal\_bias="0.451"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline14"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline11"  
 app:layout\_constraintVertical\_bias="0.818"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="231dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline7"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="312dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline8"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="378dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline9"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="438dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline10"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="508dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline11"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="70dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline12"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="573dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline13"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_end="58dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline14"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="58dp"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Activity 2:**

**Graphical user interface, application

Description automatically generated**

*<?***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/gradiant"  
 tools:context=".Assigment\_1.With\_Constraint.Task\_1.Activity2MainActivity"**>  
  
 <**Button  
 android:id="@+id/button9"  
 android:layout\_width="282dp"  
 android:layout\_height="48dp"  
 android:backgroundTint="#FFFFFF"  
 android:text="@string/log\_in"  
 android:textAlignment="center"  
 android:textColor="#009688"  
 android:textColorHighlight="#000000"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline20"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintHorizontal\_bias="0.486"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline19"  
 app:layout\_constraintVertical\_bias="0.437"  
 tools:ignore="TextContrastCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView13"  
 android:layout\_width="40dp"  
 android:layout\_height="48dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName10"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/editTextTextPersonName10"  
 app:layout\_constraintTop\_toTopOf="@+id/editTextTextPersonName10"  
 app:srcCompat="@drawable/padlock"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName10"  
 android:layout\_width="272dp"  
 android:layout\_height="46dp"  
 android:autofillHints=""  
 android:background="@drawable/border"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline18"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintHorizontal\_bias="0.524"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline17"  
 tools:ignore="TextContrastCheck,TouchTargetSizeCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView12"  
 android:layout\_width="39dp"  
 android:layout\_height="45dp"  
 android:layout\_marginEnd="228dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toBottomOf="@+id/editTextTextPersonName9"  
 app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName9"  
 app:layout\_constraintTop\_toTopOf="@+id/editTextTextPersonName9"  
 app:layout\_constraintVertical\_bias="1.0"  
 app:srcCompat="@drawable/user"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName9"  
 android:layout\_width="270dp"  
 android:layout\_height="48dp"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/username"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="bold"  
 android:background="@drawable/border"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline17"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline16"  
 tools:ignore="TextContrastCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView11"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline16"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline15"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="124dp"  
 android:layout\_height="48dp"  
 android:text="@string/remember\_me"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="normal|italic"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline19"  
 app:layout\_constraintEnd\_toStartOf="@+id/chip4"  
 app:layout\_constraintHorizontal\_bias="0.548"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline18"  
 app:layout\_constraintVertical\_bias="0.4"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip4"  
 android:layout\_width="132dp"  
 android:layout\_height="48dp"  
 android:layout\_marginEnd="4dp"  
 android:backgroundTint="#0000BCD4"  
 android:text="@string/forgot\_password"  
 android:textColor="#FFFFFF"  
 android:textSize="12sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline19"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline18"  
 app:layout\_constraintVertical\_bias="0.518"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip5"  
 android:layout\_width="128dp"  
 android:layout\_height="48dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/not\_a\_member"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintHorizontal\_bias="0.502"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline20"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip6"  
 android:layout\_width="147dp"  
 android:layout\_height="48dp"  
 android:layout\_marginTop="13dp"  
 android:background="#000000"  
 android:backgroundTint="#00FFFFFF"  
 android:buttonTint="#FFFFFF"  
 android:foregroundTint="#FDFDFD"  
 android:text="@string/create\_an\_account"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline21"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintHorizontal\_bias="0.506"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toBottomOf="@+id/chip5"  
 app:layout\_constraintVertical\_bias="1.0"  
 tools:ignore="TextContrastCheck"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline15"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="89dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline16"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="256dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline17"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="329dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline18"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="407dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline19"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="465dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline20"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="548dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline21"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="635dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline22"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="55dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline23"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="354dp"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Activity 3:**

**Graphical user interface, application

Description automatically generated**

*<?***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/gradiant"  
 tools:context=".Assigment\_1.With\_Constraint.Task\_1.Activity3MainActivity"**>  
  
 <**Button  
 android:id="@+id/button9"  
 android:layout\_width="287dp"  
 android:layout\_height="53dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/login"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textColorHighlight="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline20"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintHorizontal\_bias="0.486"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline19"  
 app:layout\_constraintVertical\_bias="0.437"  
 tools:ignore="TextContrastCheck"** />  
  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName10"  
 android:layout\_width="272dp"  
 android:layout\_height="46dp"  
 android:autofillHints=""  
 android:background="#FFFFFF"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#000"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline18"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintHorizontal\_bias="0.524"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline17"  
 tools:ignore="TextContrastCheck,TouchTargetSizeCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView13"  
 android:layout\_width="40dp"  
 android:layout\_height="48dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toBottomOf="@+id/editTextTextPersonName10"  
 app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName10"  
 app:layout\_constraintHorizontal\_bias="0.012"  
 app:layout\_constraintStart\_toStartOf="@+id/editTextTextPersonName10"  
 app:layout\_constraintTop\_toTopOf="@+id/editTextTextPersonName10"  
 app:layout\_constraintVertical\_bias="1.0"  
 app:srcCompat="@drawable/padlock"** />  
  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName9"  
 android:layout\_width="270dp"  
 android:layout\_height="48dp"  
 android:autofillHints=""  
 android:background="#FFFFFF"  
 android:ems="10"  
 android:hint="@string/username"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColorHint="#000"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline17"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline16"  
 tools:ignore="TextContrastCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView12"  
 android:layout\_width="39dp"  
 android:layout\_height="45dp"  
 android:layout\_marginBottom="3dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toBottomOf="@+id/editTextTextPersonName9"  
 app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName9"  
 app:layout\_constraintHorizontal\_bias="0.012"  
 app:layout\_constraintStart\_toStartOf="@+id/editTextTextPersonName9"  
 app:layout\_constraintTop\_toTopOf="@+id/editTextTextPersonName9"  
 app:layout\_constraintVertical\_bias="1.0"  
 app:srcCompat="@drawable/user"** />  
  
 <**ImageView  
 android:id="@+id/imageView11"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline16"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline15"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="124dp"  
 android:layout\_height="48dp"  
 android:text="@string/remember\_me"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="normal|italic"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline19"  
 app:layout\_constraintEnd\_toStartOf="@+id/chip4"  
 app:layout\_constraintHorizontal\_bias="0.548"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline18"  
 app:layout\_constraintVertical\_bias="0.4"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip4"  
 android:layout\_width="132dp"  
 android:layout\_height="48dp"  
 android:layout\_marginEnd="4dp"  
 android:backgroundTint="#0000BCD4"  
 android:text="@string/forgot\_password"  
 android:textColor="#FFFFFF"  
 android:textSize="12sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline19"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline18"  
 app:layout\_constraintVertical\_bias="0.518"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip5"  
 android:layout\_width="128dp"  
 android:layout\_height="48dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/not\_a\_member"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintHorizontal\_bias="0.502"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline20"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip6"  
 android:layout\_width="147dp"  
 android:layout\_height="48dp"  
 android:layout\_marginTop="13dp"  
 android:backgroundTint="#FFFFFF"  
 android:text="@string/create\_an\_account"  
 android:textAlignment="center"  
 android:textColor="#00BCD4"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline21"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline23"  
 app:layout\_constraintHorizontal\_bias="0.506"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline22"  
 app:layout\_constraintTop\_toBottomOf="@+id/chip5"  
 app:layout\_constraintVertical\_bias="1.0"  
 tools:ignore="TextContrastCheck"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline15"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="89dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline16"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="256dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline17"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="329dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline18"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="407dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline19"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="465dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline20"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="548dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline21"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="635dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline22"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="55dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline23"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="354dp"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Linear Layout**

**Activity 1:**

**Graphical user interface, application

Description automatically generated**

*<?***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:orientation="vertical"  
 tools:context=".Assigment\_1.With\_Linear.Task\_1.Activity1MainActivity"**>  
  
 <**ImageView  
 android:id="@+id/imageView6"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:layout\_marginStart="130dp"  
 android:layout\_marginTop="100dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName3"  
 android:layout\_width="273dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="20dp"  
 android:autofillHints=""  
 android:background="@drawable/blackborder"  
 android:ems="10"  
 android:hint="@string/name"  
 android:inputType="textPersonName"  
 android:textAlignment="center"** />  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="32dp"  
 android:layout\_height="35dp"  
 android:layout\_marginStart="72dp"  
 android:layout\_marginTop="-40dp"  
 android:layout\_marginBottom="10dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/user"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName4"  
 android:layout\_width="273dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="15dp"  
 android:autofillHints=""  
 android:background="@drawable/blackborder"  
 android:ems="10"  
 android:hint="@string/email\_address"  
 android:inputType="textWebEmailAddress"  
 android:textAlignment="center"  
 android:textColorHint="#757575"** />  
  
 <**ImageView  
 android:id="@+id/imageView3"  
 android:layout\_width="32dp"  
 android:layout\_height="30dp"  
 android:layout\_marginStart="72dp"  
 android:layout\_marginTop="-40dp"  
 android:layout\_marginBottom="15dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/email"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName5"  
 android:layout\_width="273dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="15dp"  
 android:autofillHints=""  
 android:background="@drawable/blackborder"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#757575"** />  
  
 <**ImageView  
 android:id="@+id/imageView5"  
 android:layout\_width="28dp"  
 android:layout\_height="31dp"  
 android:layout\_marginStart="72dp"  
 android:layout\_marginTop="-40dp"  
 android:layout\_marginBottom="13dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/padlock"** />  
  
 <**Button  
 android:id="@+id/button3"  
 android:layout\_width="273dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="15dp"  
 android:backgroundTint="#00BCD4"  
 android:text="@string/sign\_up"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**TextView  
 android:id="@+id/textView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="75dp"  
 android:layout\_marginTop="25dp"  
 android:text="@string/already\_have\_an\_account"** />  
  
 <**Button  
 android:id="@+id/button4"  
 android:layout\_width="103dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="240dp"  
 android:layout\_marginTop="-32dp"  
 android:backgroundTint="#FFFFFF"  
 android:text="@string/sign\_in"  
 android:textAlignment="textStart"  
 android:textColor="#0277BD"  
 android:textSize="12sp"  
 android:textStyle="bold"** />  
  
</**LinearLayout**>

**Activity 2:**

**Graphical user interface, application

Description automatically generated**

*<?***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/gradiant"  
 android:orientation="vertical"  
 tools:context=".Assigment\_1.With\_Linear.Task\_1.Activity2MainActivity"**>  
  
 <**ImageView  
 android:id="@+id/imageView11"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:layout\_marginStart="130dp"  
 android:layout\_marginTop="100dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName9"  
 android:layout\_width="270dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="20dp"  
 android:autofillHints=""  
 android:background="@drawable/border"  
 android:ems="10"  
 android:hint="@string/username"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView12"  
 android:layout\_width="39dp"  
 android:layout\_height="45dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="-48dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/user"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName10"  
 android:layout\_width="272dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="20dp"  
 android:autofillHints=""  
 android:background="@drawable/border"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView13"  
 android:layout\_width="40dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="-48dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/padlock"** />  
  
  
 <**CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="143dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="10dp"  
 android:text="@string/remember\_mee"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="normal|italic"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip4"  
 android:layout\_width="132dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="230dp"  
 android:layout\_marginTop="-48dp"  
 android:backgroundTint="#0000BCD4"  
 android:text="@string/forgot\_password"  
 android:textColor="#FFFFFF"  
 android:textSize="12sp"  
 tools:ignore="TextContrastCheck"** />  
  
 <**Button  
 android:id="@+id/button9"  
 android:layout\_width="282dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="65dp"  
 android:layout\_marginTop="20dp"  
 android:backgroundTint="#FFFFFF"  
 android:text="@string/log\_in"  
 android:textAlignment="center"  
 android:textColor="#009688"  
 android:textColorHighlight="#000000"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip5"  
 android:layout\_width="128dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="140dp"  
 android:layout\_marginTop="20dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/not\_a\_member"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip6"  
 android:layout\_width="147dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="130dp"  
 android:background="#000000"  
 android:backgroundTint="#00FFFFFF"  
 android:buttonTint="#FFFFFF"  
 android:foregroundTint="#FDFDFD"  
 android:text="@string/create\_an\_account"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 tools:ignore="TextContrastCheck"** />  
  
  
</**LinearLayout**>

**Activity 3:**

**Graphical user interface, application

Description automatically generated**

*<?***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:orientation="vertical"  
 android:background="@drawable/gradiant"  
 tools:context=".Assigment\_1.With\_Linear.Task\_1.Activity3MainActivity"**>  
  
 <**ImageView  
 android:id="@+id/imageView11"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:layout\_marginStart="130dp"  
 android:layout\_marginTop="100dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName9"  
 android:layout\_width="270dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="20dp"  
 android:autofillHints=""  
 android:background="#FFFFFF"  
 android:ems="10"  
 android:hint="@string/username"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColorHint="#000"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView12"  
 android:layout\_width="39dp"  
 android:layout\_height="45dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="-48dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/user"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName10"  
 android:layout\_width="272dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="20dp"  
 android:autofillHints=""  
 android:background="#FFFFFF"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#000"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView13"  
 android:layout\_width="40dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="-48dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/padlock"** />  
  
  
 <**CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="143dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="10dp"  
 android:text="@string/remember\_mee"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="normal|italic"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip4"  
 android:layout\_width="132dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="230dp"  
 android:layout\_marginTop="-48dp"  
 android:backgroundTint="#0000BCD4"  
 android:text="@string/forgot\_password"  
 android:textColor="#FFFFFF"  
 android:textSize="12sp"  
 tools:ignore="TextContrastCheck"** />  
  
 <**Button  
 android:id="@+id/button9"  
 android:layout\_width="282dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="65dp"  
 android:layout\_marginTop="20dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/log\_in"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip5"  
 android:layout\_width="128dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="140dp"  
 android:layout\_marginTop="20dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/not\_a\_member"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip6"  
 android:layout\_width="147dp"  
 android:layout\_height="48dp"  
 android:layout\_marginStart="130dp"  
 android:text="@string/create\_an\_account"  
 android:textAlignment="center"  
 android:textColor="#00BCD4"  
 android:backgroundTint="#FFFFFF"  
 tools:ignore="TextContrastCheck"** />  
  
  
</**LinearLayout**>

**Relative Layout**

**Activity 1:**

**Graphical user interface, diagram

Description automatically generated**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 tools:context=".Assigment\_1.With\_Relative.Task\_1.Activity1MainActivity"**>  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/editTextTextPersonName4"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="75dp"  
 android:autofillHints=""  
 android:background="@drawable/blackborder"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#757575"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName4"  
 android:layout\_width="269dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/editTextTextPersonName3"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="71dp"  
 android:layout\_marginTop="17dp"  
 android:layout\_marginEnd="70dp"  
 android:autofillHints=""  
 android:background="@drawable/blackborder"  
 android:ems="10"  
 android:hint="@string/email\_address"  
 android:inputType="textWebEmailAddress"  
 android:textAlignment="center"  
 android:textColorHint="#757575"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName3"  
 android:layout\_width="270dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/imageView6"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="72dp"  
 android:layout\_marginTop="61dp"  
 android:layout\_marginEnd="69dp"  
 android:autofillHints=""  
 android:background="@drawable/blackborder"  
 android:ems="10"  
 android:hint="@string/name"  
 android:inputType="textPersonName"  
 android:textAlignment="center"** />  
  
 <**Button  
 android:id="@+id/button3"  
 android:layout\_width="263dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/editTextTextPersonName5"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="75dp"  
 android:layout\_marginTop="32dp"  
 android:layout\_marginEnd="72dp"  
 android:backgroundTint="#00BCD4"  
 android:text="@string/sign\_up"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**Button  
 android:id="@+id/button4"  
 android:layout\_width="103dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/button3"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="27dp"  
 android:layout\_marginEnd="52dp"  
 android:backgroundTint="#FFFFFF"  
 android:text="@string/sign\_in"  
 android:textAlignment="textStart"  
 android:textColor="#0277BD"  
 android:textSize="12sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/textView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/button3"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginStart="73dp"  
 android:layout\_marginTop="43dp"  
 android:layout\_marginEnd="24dp"  
 android:layout\_toStartOf="@+id/button4"  
 android:text="@string/already\_have\_an\_account"** />  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="32dp"  
 android:layout\_height="35dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="300dp"  
 android:layout\_marginBottom="384dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/user"** />  
  
 <**ImageView  
 android:id="@+id/imageView3"  
 android:layout\_width="32dp"  
 android:layout\_height="30dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="304dp"  
 android:layout\_marginBottom="321dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/email"** />  
  
 <**ImageView  
 android:id="@+id/imageView5"  
 android:layout\_width="28dp"  
 android:layout\_height="31dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="310dp"  
 android:layout\_marginBottom="259dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/padlock"** />  
  
 <**ImageView  
 android:id="@+id/imageView6"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="124dp"  
 android:layout\_marginTop="106dp"  
 android:layout\_marginEnd="132dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
</**RelativeLayout**>

**Activity 2:**

**Diagram

Description automatically generated**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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/gradiant"  
 tools:context=".Assigment\_1.With\_Relative.Task\_1.Activity2MainActivity"**>  
  
 <**ImageView  
 android:id="@+id/imageView11"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="122dp"  
 android:layout\_marginTop="89dp"  
 android:layout\_marginEnd="134dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
 <**Button  
 android:id="@+id/button9"  
 android:layout\_width="282dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/chip4"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="58dp"  
 android:layout\_marginTop="13dp"  
 android:layout\_marginEnd="70dp"  
 android:backgroundTint="#FFFFFF"  
 android:text="@string/log\_in"  
 android:textAlignment="center"  
 android:textColor="#009688"  
 android:textColorHighlight="#000000"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName9"  
 android:layout\_width="270dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/imageView11"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="68dp"  
 android:layout\_marginTop="64dp"  
 android:layout\_marginEnd="73dp"  
 android:autofillHints=""  
 android:background="@drawable/border"  
 android:ems="10"  
 android:hint="@string/username"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView13"  
 android:layout\_width="40dp"  
 android:layout\_height="48dp"  
 android:layout\_alignStart="@+id/editTextTextPersonName10"  
 android:layout\_alignTop="@+id/editTextTextPersonName10"  
 android:layout\_alignEnd="@+id/editTextTextPersonName10"  
 android:layout\_alignBottom="@+id/editTextTextPersonName10"  
 android:layout\_marginStart="3dp"  
 android:layout\_marginTop="-1dp"  
 android:layout\_marginEnd="229dp"  
 android:layout\_marginBottom="-1dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/padlock"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName10"  
 android:layout\_width="272dp"  
 android:layout\_height="46dp"  
 android:layout\_below="@+id/editTextTextPersonName9"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="65dp"  
 android:layout\_marginTop="21dp"  
 android:layout\_marginEnd="74dp"  
 android:autofillHints=""  
 android:background="@drawable/border"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck,TouchTargetSizeCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView12"  
 android:layout\_width="39dp"  
 android:layout\_height="45dp"  
 android:layout\_alignStart="@+id/editTextTextPersonName9"  
 android:layout\_alignTop="@+id/editTextTextPersonName9"  
 android:layout\_alignEnd="@+id/editTextTextPersonName9"  
 android:layout\_alignBottom="@+id/editTextTextPersonName9"  
 android:layout\_marginStart="5dp"  
 android:layout\_marginTop="3dp"  
 android:layout\_marginEnd="226dp"  
 android:layout\_marginBottom="0dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/user"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip4"  
 android:layout\_width="132dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/editTextTextPersonName10"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="28dp"  
 android:layout\_marginEnd="68dp"  
 android:backgroundTint="#0000BCD4"  
 android:text="@string/forgot\_password"  
 android:textColor="#FFFFFF"  
 android:textSize="12sp"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip5"  
 android:layout\_width="128dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/button9"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
  
 android:layout\_marginStart="142dp"  
 android:layout\_marginTop="14dp"  
 android:layout\_marginEnd="141dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/not\_a\_member"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/chip5"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="129dp"  
 android:layout\_marginTop="-8dp"  
 android:layout\_marginEnd="135dp"  
 android:layout\_marginBottom="93dp"  
 android:background="#000000"  
 android:backgroundTint="#00FFFFFF"  
 android:buttonTint="#FFFFFF"  
 android:foregroundTint="#FDFDFD"  
 android:text="@string/create\_an\_account"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 tools:ignore="TextContrastCheck,TouchTargetSizeCheck,TouchTargetSizeCheck"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="124dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/editTextTextPersonName10"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginStart="63dp"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginEnd="23dp"  
 android:layout\_toStartOf="@+id/chip4"  
 android:text="@string/remember\_me"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="normal|italic"  
 tools:ignore="TextContrastCheck"** />  
  
  
</**RelativeLayout**>

**Activity 3:**

**Graphical user interface, diagram

Description automatically generated**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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/gradiant"  
 tools:context=".Assigment\_1.With\_Relative.Task\_1.Activity3MainActivity"**>  
  
 <**ImageView  
 android:id="@+id/imageView11"  
 android:layout\_width="155dp"  
 android:layout\_height="139dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="122dp"  
 android:layout\_marginTop="89dp"  
 android:layout\_marginEnd="134dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/app\_store"  
 tools:ignore="ImageContrastCheck"** />  
  
 <**Button  
 android:id="@+id/button9"  
 android:layout\_width="282dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/chip4"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="58dp"  
 android:layout\_marginTop="13dp"  
 android:layout\_marginEnd="70dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/log\_in"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName9"  
 android:layout\_width="270dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/imageView11"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="68dp"  
 android:layout\_marginTop="64dp"  
 android:layout\_marginEnd="73dp"  
 android:autofillHints=""  
 android:background="#FFFFFF"  
 android:ems="10"  
 android:hint="@string/username"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColorHint="#000"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck"** />  
  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName10"  
 android:layout\_width="272dp"  
 android:layout\_height="46dp"  
 android:layout\_below="@+id/editTextTextPersonName9"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="65dp"  
 android:layout\_marginTop="21dp"  
 android:layout\_marginEnd="74dp"  
 android:autofillHints=""  
 android:background="#FFFFFF"  
 android:ems="10"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#000"  
 android:textStyle="bold"  
 tools:ignore="TextContrastCheck,TouchTargetSizeCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView13"  
 android:layout\_width="40dp"  
 android:layout\_height="48dp"  
 android:layout\_alignStart="@+id/editTextTextPersonName10"  
 android:layout\_alignTop="@+id/editTextTextPersonName10"  
 android:layout\_alignEnd="@+id/editTextTextPersonName10"  
 android:layout\_alignBottom="@+id/editTextTextPersonName10"  
 android:layout\_marginStart="3dp"  
 android:layout\_marginTop="-1dp"  
 android:layout\_marginEnd="229dp"  
 android:layout\_marginBottom="-1dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/padlock"** />  
  
 <**ImageView  
 android:id="@+id/imageView12"  
 android:layout\_width="39dp"  
 android:layout\_height="45dp"  
 android:layout\_alignStart="@+id/editTextTextPersonName9"  
 android:layout\_alignTop="@+id/editTextTextPersonName9"  
 android:layout\_alignEnd="@+id/editTextTextPersonName9"  
 android:layout\_alignBottom="@+id/editTextTextPersonName9"  
 android:layout\_marginStart="5dp"  
 android:layout\_marginTop="3dp"  
 android:layout\_marginEnd="226dp"  
 android:layout\_marginBottom="0dp"  
 android:contentDescription="@string/todo"  
 app:srcCompat="@drawable/user"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip4"  
 android:layout\_width="132dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/editTextTextPersonName10"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="28dp"  
 android:layout\_marginEnd="68dp"  
 android:backgroundTint="#0000BCD4"  
 android:text="@string/forgot\_password"  
 android:textColor="#FFFFFF"  
 android:textSize="12sp"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip5"  
 android:layout\_width="128dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/button9"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
  
 android:layout\_marginStart="142dp"  
 android:layout\_marginTop="14dp"  
 android:layout\_marginEnd="141dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="@string/not\_a\_member"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 tools:ignore="TextContrastCheck"** />  
  
 <**com.google.android.material.chip.Chip  
 android:id="@+id/chip6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/chip5"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="129dp"  
 android:layout\_marginTop="-8dp"  
 android:layout\_marginEnd="135dp"  
 android:layout\_marginBottom="93dp"  
 android:backgroundTint="#FFFFFF"  
 android:text="@string/create\_an\_account"  
 android:textAlignment="center"  
 android:textColor="#00BCD4"  
 tools:ignore="TextContrastCheck,TouchTargetSizeCheck,TouchTargetSizeCheck"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="124dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/editTextTextPersonName10"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginStart="63dp"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginEnd="23dp"  
 android:layout\_toStartOf="@+id/chip4"  
 android:text="@string/remember\_me"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textStyle="normal|italic"  
 tools:ignore="TextContrastCheck"** />  
  
</**RelativeLayout**>

**TASK 2: 2 Screens**

**Constraint Layout**

**Activity 1:**

**A picture containing text, screenshot

Description automatically generated**

*<?***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="#3B07F6"  
 tools:context=".Assigment\_1.With\_Constraint.Task\_2.Activity1MainActivity"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="303dp"  
 android:layout\_height="54dp"  
 android:text="@string/welcome\_home"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="34sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline27"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline25"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline24"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline26"** />  
  
 <**ImageView  
 android:id="@+id/imageView7"  
 android:layout\_width="115dp"  
 android:layout\_height="98dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingBottom="20dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline28"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline33"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline32"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline27"  
 app:srcCompat="@drawable/relax"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView4"  
 android:layout\_width="115dp"  
 android:layout\_height="99dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:cropToPadding="true"  
 android:paddingBottom="10dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline28"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline32"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline24"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline27"  
 app:srcCompat="@drawable/bedroom"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView8"  
 android:layout\_width="116dp"  
 android:layout\_height="98dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contentDescription="TODO"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline28"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline25"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline33"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline27"  
 app:srcCompat="@drawable/kitchen"  
 tools:ignore="SpeakableTextPresentCheck,DuplicateSpeakableTextCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView10"  
 android:layout\_width="114dp"  
 android:layout\_height="101dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline29"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline33"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline32"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline28"  
 app:srcCompat="@drawable/crib"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView9"  
 android:layout\_width="114dp"  
 android:layout\_height="100dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingTop="8dp"  
 android:paddingBottom="25dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline29"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline32"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline24"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline28"  
 app:srcCompat="@drawable/bath"  
 tools:ignore="SpeakableTextPresentCheck"  
 android:contentDescription="TODO"** />  
  
 <**ImageView  
 android:id="@+id/imageView14"  
 android:layout\_width="113dp"  
 android:layout\_height="99dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline29"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline25"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline33"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline28"  
 app:srcCompat="@drawable/dinning\_table"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView15"  
 android:layout\_width="85dp"  
 android:layout\_height="80dp"  
 android:background="@drawable/round\_border"  
 android:paddingTop="3dp"  
 android:paddingBottom="10dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline30"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline32"  
 app:layout\_constraintHorizontal\_bias="0.393"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline24"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline29"  
 app:layout\_constraintVertical\_bias="0.567"  
 app:srcCompat="@drawable/lightbulb"  
 android:contentDescription="TODO"** />  
  
 <**ImageView  
 android:id="@+id/imageView16"  
 android:layout\_width="85dp"  
 android:layout\_height="79dp"  
 android:background="@drawable/round\_border"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline31"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline32"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline24"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline30"  
 app:srcCompat="@drawable/socket"  
 android:contentDescription="TODO"** />  
  
 <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="148dp"  
 android:layout\_height="29dp"  
 android:text="@string/light\_control"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline30"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline33"  
 app:layout\_constraintHorizontal\_bias="0.476"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline32"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline29"  
 app:layout\_constraintVertical\_bias="0.734"** />  
  
 <**TextView  
 android:id="@+id/textView3"  
 android:layout\_width="140dp"  
 android:layout\_height="28dp"  
 android:text="@string/power\_supply"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline31"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline33"  
 app:layout\_constraintHorizontal\_bias="0.153"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline32"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline30"  
 app:layout\_constraintVertical\_bias="0.79"** />  
  
 <**Switch  
 android:id="@+id/switch1"  
 android:layout\_width="100dp"  
 android:layout\_height="48dp"  
 android:showText="true"  
 android:switchTextAppearance="@style/TextAppearance.AppCompat.Large"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textOff="@string/off"  
 android:textOn="@string/on"  
 android:textSize="14sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline30"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline25"  
 app:layout\_constraintHorizontal\_bias="0.75"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline33"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline29"  
 app:layout\_constraintVertical\_bias="0.73"  
 tools:ignore="DuplicateSpeakableTextCheck"** />  
  
 <**Switch  
 android:id="@+id/switch2"  
 android:layout\_width="100dp"  
 android:layout\_height="48dp"  
 android:showText="true"  
 android:switchTextAppearance="@style/TextAppearance.AppCompat.Large"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textOff="@string/off"  
 android:textOn="@string/on"  
 android:textSize="14sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline31"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline25"  
 app:layout\_constraintHorizontal\_bias="0.75"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline33"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline30"  
 app:layout\_constraintVertical\_bias="0.819"** />  
  
 <**TextView  
 android:id="@+id/textView4"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:text="@string/bedroom"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toBottomOf="@+id/imageView4"  
 app:layout\_constraintEnd\_toEndOf="@+id/imageView4"  
 app:layout\_constraintHorizontal\_bias="0.38"  
 app:layout\_constraintStart\_toStartOf="@+id/imageView4"  
 app:layout\_constraintTop\_toTopOf="@+id/imageView4"  
 app:layout\_constraintVertical\_bias="0.948"** />  
  
 <**TextView  
 android:id="@+id/textView7"  
 android:layout\_width="109dp"  
 android:layout\_height="25dp"  
 android:text="@string/living\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toBottomOf="@+id/imageView7"  
 app:layout\_constraintEnd\_toEndOf="@+id/imageView7"  
 app:layout\_constraintHorizontal\_bias="1.0"  
 app:layout\_constraintStart\_toStartOf="@+id/imageView7"  
 app:layout\_constraintTop\_toTopOf="@+id/imageView7"  
 app:layout\_constraintVertical\_bias="1.0"** />  
  
 <**TextView  
 android:id="@+id/textView8"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:text="@string/kitchen"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toBottomOf="@+id/imageView8"  
 app:layout\_constraintEnd\_toEndOf="@+id/imageView8"  
 app:layout\_constraintHorizontal\_bias="0.488"  
 app:layout\_constraintStart\_toStartOf="@+id/imageView8"  
 app:layout\_constraintTop\_toTopOf="@+id/imageView8"  
 app:layout\_constraintVertical\_bias="0.986"** />  
  
 <**TextView  
 android:id="@+id/textView9"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:text="@string/bathroom"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toBottomOf="@+id/imageView9"  
 app:layout\_constraintEnd\_toEndOf="@+id/imageView9"  
 app:layout\_constraintHorizontal\_bias="0.56"  
 app:layout\_constraintStart\_toStartOf="@+id/imageView9"  
 app:layout\_constraintTop\_toTopOf="@+id/imageView9"  
 app:layout\_constraintVertical\_bias="0.948"** />  
  
 <**TextView  
 android:id="@+id/textView10"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:text="@string/kids\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toBottomOf="@+id/imageView10"  
 app:layout\_constraintEnd\_toEndOf="@+id/imageView10"  
 app:layout\_constraintHorizontal\_bias="0.439"  
 app:layout\_constraintStart\_toStartOf="@+id/imageView10"  
 app:layout\_constraintTop\_toTopOf="@+id/imageView10"  
 app:layout\_constraintVertical\_bias="0.936"** />  
  
 <**TextView  
 android:id="@+id/textView11"  
 android:layout\_width="99dp"  
 android:layout\_height="23dp"  
 android:text="@string/dinning\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toBottomOf="@+id/imageView14"  
 app:layout\_constraintEnd\_toEndOf="@+id/imageView14"  
 app:layout\_constraintStart\_toStartOf="@+id/imageView14"  
 app:layout\_constraintTop\_toTopOf="@+id/imageView14"  
 app:layout\_constraintVertical\_bias="0.947"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline24"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="18dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline25"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="387dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline26"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="33dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline27"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="133dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline28"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="262dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline29"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="401dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline30"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="562dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline31"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="676dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline32"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="136dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline33"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="263dp"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Activity 2:**

**Graphical user interface

Description automatically generated**

*<?***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/gradiant2"  
 tools:context=".Assigment\_1.With\_Constraint.Task\_2.Activity2MainActivity"**>  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline35"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="162dp"** />  
  
 <**ImageView  
 android:id="@+id/imageView17"  
 android:layout\_width="244dp"  
 android:layout\_height="69dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline35"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline42"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline41"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline34"  
 app:srcCompat="@drawable/capture"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName6"  
 android:layout\_width="335dp"  
 android:layout\_height="48dp"  
 android:ems="10"  
 android:hint="Email Address"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline37"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline42"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline41"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline36"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName7"  
 android:layout\_width="335dp"  
 android:layout\_height="48dp"  
 android:ems="10"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline43"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline42"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline41"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline37"** />  
  
 <**Button  
 android:id="@+id/button5"  
 android:layout\_width="337dp"  
 android:layout\_height="53dp"  
 android:backgroundTint="#FBFBFB"  
 android:text="LOGIN"  
 android:textColor="#009688"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline38"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline42"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline41"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline43"** />  
  
 <**Button  
 android:id="@+id/button8"  
 android:layout\_width="204dp"  
 android:layout\_height="48dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="Forgot Password?"  
 android:textSize="12sp"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline42"  
 app:layout\_constraintStart\_toStartOf="@+id/guideline41"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline38"** />  
  
 <**Button  
 android:id="@+id/button10"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="124dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="FACEBOOK"  
 android:textSize="12sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/button11"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline40"  
 app:layout\_constraintVertical\_bias="0.47"** />  
  
 <**Button  
 android:id="@+id/button11"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="8dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="TWITTER"  
 android:textSize="12sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/guideline42"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline40"  
 app:layout\_constraintVertical\_bias="0.509"** />  
  
 <**ImageView  
 android:id="@+id/imageView18"  
 android:layout\_width="38dp"  
 android:layout\_height="43dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/button11"  
 app:layout\_constraintHorizontal\_bias="1.0"  
 app:layout\_constraintStart\_toEndOf="@+id/button10"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline40"  
 app:layout\_constraintVertical\_bias="0.553"  
 app:srcCompat="@drawable/twitter"** />  
  
 <**ImageView  
 android:id="@+id/imageView19"  
 android:layout\_width="40dp"  
 android:layout\_height="49dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/button10"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline40"  
 app:layout\_constraintVertical\_bias="0.48"  
 app:srcCompat="@drawable/facebook"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline34"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="61dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline36"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="227dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline37"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="305dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline38"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="455dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline40"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="632dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline41"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="28dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline42"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_begin="385dp"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline43"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_begin="364dp"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Linear Layout**

**Activity 1:**

**Graphical user interface

Description automatically generated**

*<?***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="#3B07F6"  
 android:orientation="vertical"  
 tools:context=".Assigment\_1.With\_Linear.Task\_2.Activity1MainActivity"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="303dp"  
 android:layout\_height="54dp"  
 android:layout\_marginLeft="55dp"  
 android:layout\_marginTop="80dp"  
 android:text="@string/welcome\_home"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="34sp"  
 android:textStyle="bold"** />  
  
 <**ImageView  
 android:id="@+id/imageView4"  
 android:layout\_width="115dp"  
 android:layout\_height="99dp"  
 android:layout\_marginLeft="25dp"  
 android:layout\_marginTop="15dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:cropToPadding="true"  
 android:paddingBottom="10dp"  
 app:srcCompat="@drawable/bedroom"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView7"  
 android:layout\_width="115dp"  
 android:layout\_height="98dp"  
 android:layout\_marginLeft="150dp"  
 android:layout\_marginTop="-100dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingBottom="20dp"  
 app:srcCompat="@drawable/relax"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView10"  
 android:layout\_width="114dp"  
 android:layout\_height="101dp"  
 android:layout\_marginLeft="275dp"  
 android:layout\_marginTop="-100dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:srcCompat="@drawable/crib"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**TextView  
 android:id="@+id/textView4"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:layout\_marginLeft="40dp"  
 android:layout\_marginTop="-30dp"  
 android:text="@string/bedroom"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**TextView  
 android:id="@+id/textView7"  
 android:layout\_width="109dp"  
 android:layout\_height="25dp"  
 android:layout\_marginLeft="155dp"  
 android:layout\_marginTop="-20dp"  
 android:text="@string/living\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**TextView  
 android:id="@+id/textView10"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:layout\_marginLeft="295dp"  
 android:layout\_marginTop="-25dp"  
 android:text="@string/kids\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
  
 <**ImageView  
 android:id="@+id/imageView8"  
 android:layout\_width="116dp"  
 android:layout\_height="98dp"  
 android:layout\_marginLeft="25dp"  
 android:layout\_marginTop="15dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contentDescription="TODO"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:srcCompat="@drawable/kitchen"  
 tools:ignore="SpeakableTextPresentCheck,DuplicateSpeakableTextCheck"** />  
  
  
 <**ImageView  
 android:id="@+id/imageView9"  
 android:layout\_width="114dp"  
 android:layout\_height="100dp"  
 android:layout\_marginLeft="150dp"  
 android:layout\_marginTop="-100dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contentDescription="TODO"  
 android:contextClickable="true"  
 android:paddingTop="8dp"  
 android:paddingBottom="25dp"  
 app:srcCompat="@drawable/bath"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView14"  
 android:layout\_width="113dp"  
 android:layout\_height="99dp"  
 android:layout\_marginLeft="275dp"  
 android:layout\_marginTop="-100dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:srcCompat="@drawable/dinning\_table"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**TextView  
 android:id="@+id/textView8"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:layout\_marginLeft="45dp"  
 android:layout\_marginTop="-23dp"  
 android:text="@string/kitchen"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**TextView  
 android:id="@+id/textView9"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:layout\_marginLeft="170dp"  
 android:layout\_marginTop="-25dp"  
 android:text="@string/bathroom"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
  
 <**TextView  
 android:id="@+id/textView11"  
 android:layout\_width="99dp"  
 android:layout\_height="23dp"  
 android:layout\_marginLeft="282dp"  
 android:layout\_marginTop="-20dp"  
 android:text="@string/dinning\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**ImageView  
 android:id="@+id/imageView15"  
 android:layout\_width="85dp"  
 android:layout\_height="80dp"  
 android:layout\_marginLeft="25dp"  
 android:layout\_marginTop="50dp"  
 android:background="@drawable/round\_border"  
 android:contentDescription="TODO"  
 android:paddingTop="3dp"  
 android:paddingBottom="10dp"  
 app:srcCompat="@drawable/lightbulb"** />  
  
 <**ImageView  
 android:id="@+id/imageView16"  
 android:layout\_width="85dp"  
 android:layout\_height="79dp"  
 android:layout\_marginLeft="25dp"  
 android:layout\_marginTop="30dp"  
 android:background="@drawable/round\_border"  
 android:contentDescription="TODO"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 app:srcCompat="@drawable/socket"** />  
  
 <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="148dp"  
 android:layout\_height="29dp"  
 android:layout\_marginLeft="100dp"  
 android:layout\_marginTop="-140dp"  
 android:text="@string/light\_control"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/textView3"  
 android:layout\_width="140dp"  
 android:layout\_height="28dp"  
 android:layout\_marginLeft="105dp"  
 android:layout\_marginTop="80dp"  
 android:text="@string/power\_supply"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**Switch  
 android:id="@+id/switch1"  
 android:layout\_width="100dp"  
 android:layout\_height="48dp"  
 android:layout\_marginLeft="280dp"  
 android:layout\_marginTop="-40dp"  
 android:showText="true"  
 android:switchTextAppearance="@style/TextAppearance.AppCompat.Large"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textOff="@string/off"  
 android:textOn="@string/on"  
 android:textSize="14sp"  
 tools:ignore="DuplicateSpeakableTextCheck"** />  
  
 <**Switch  
 android:id="@+id/switch2"  
 android:layout\_width="100dp"  
 android:layout\_height="48dp"  
 android:layout\_marginLeft="280dp"  
 android:layout\_marginTop="-160dp"  
 android:showText="true"  
 android:switchTextAppearance="@style/TextAppearance.AppCompat.Large"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textOff="@string/off"  
 android:textOn="@string/on"  
 android:textSize="14sp"** />  
  
</**LinearLayout**>

**Activity 2:**

**Graphical user interface, application

Description automatically generated**

*<?***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:orientation="vertical"  
 android:background="@drawable/gradiant2"  
 tools:context=".Assigment\_1.With\_Linear.Task\_2.Activity2MainActivity"**>  
  
 <**ImageView  
 android:id="@+id/imageView17"  
 android:layout\_width="244dp"  
 android:layout\_height="69dp"  
 android:layout\_marginLeft="85dp"  
 android:layout\_marginTop="80dp"  
 app:srcCompat="@drawable/capture"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName6"  
 android:layout\_width="335dp"  
 android:layout\_height="48dp"  
 android:layout\_marginLeft="40dp"  
 android:layout\_marginTop="90dp"  
 android:ems="10"  
 android:hint="Email Address"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName7"  
 android:layout\_width="335dp"  
 android:layout\_height="48dp"  
 android:layout\_marginLeft="40dp"  
 android:layout\_marginTop="20dp"  
 android:ems="10"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"** />  
  
 <**Button  
 android:id="@+id/button5"  
 android:layout\_width="337dp"  
 android:layout\_height="53dp"  
 android:layout\_marginLeft="40dp"  
 android:layout\_marginTop="50dp"  
 android:backgroundTint="#FBFBFB"  
 android:text="LOGIN"  
 android:textColor="#009688"  
 android:textSize="24sp"** />  
  
 <**Button  
 android:id="@+id/button8"  
 android:layout\_width="204dp"  
 android:layout\_height="48dp"  
 android:layout\_marginLeft="105dp"  
 android:layout\_marginTop="10dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="Forgot Password?"  
 android:textSize="12sp"** />  
  
 <**Button  
 android:id="@+id/button10"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="70dp"  
 android:layout\_marginTop="140dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="FACEBOOK"  
 android:textSize="12sp"** />  
  
 <**ImageView  
 android:id="@+id/imageView19"  
 android:layout\_width="40dp"  
 android:layout\_height="49dp"  
 android:layout\_marginLeft="35dp"  
 android:layout\_marginTop="-50dp"  
 app:srcCompat="@drawable/facebook"** />  
  
 <**Button  
 android:id="@+id/button11"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="280dp"  
 android:layout\_marginTop="-50dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="TWITTER"  
 android:textSize="12sp"** />  
  
 <**ImageView  
 android:id="@+id/imageView18"  
 android:layout\_width="38dp"  
 android:layout\_height="43dp"  
 android:layout\_marginLeft="240dp"  
 android:layout\_marginTop="-45dp"  
 app:srcCompat="@drawable/twitter"** />  
  
  
  
</**LinearLayout**>

**Relative Layout**

**Activity 1:**

**A picture containing diagram

Description automatically generated**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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="#3B07F6"  
 tools:context=".Assigment\_1.With\_Relative.Task\_2.Activity1MainActivity"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="303dp"  
 android:layout\_height="54dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="54dp"  
 android:layout\_marginTop="96dp"  
 android:layout\_marginEnd="53dp"  
 android:text="@string/welcome\_home"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="34sp"  
 android:textStyle="bold"** />  
  
 <**ImageView  
 android:id="@+id/imageView4"  
 android:layout\_width="115dp"  
 android:layout\_height="99dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="26dp"  
 android:layout\_marginTop="172dp"  
 android:layout\_marginEnd="270dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:cropToPadding="true"  
 android:paddingBottom="10dp"  
 app:srcCompat="@drawable/bedroom"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView7"  
 android:layout\_width="115dp"  
 android:layout\_height="98dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginTop="173dp"  
 android:layout\_marginEnd="141dp"  
 android:layout\_marginBottom="459dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingBottom="20dp"  
 app:srcCompat="@drawable/relax"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView10"  
 android:layout\_width="114dp"  
 android:layout\_height="101dp"  
 android:layout\_below="@+id/textView7"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="151dp"  
 android:layout\_marginTop="23dp"  
 android:layout\_marginBottom="334dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:srcCompat="@drawable/crib"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**TextView  
 android:id="@+id/textView4"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:layout\_alignStart="@+id/imageView4"  
 android:layout\_alignTop="@+id/imageView4"  
 android:layout\_alignEnd="@+id/imageView4"  
 android:layout\_alignBottom="@+id/imageView4"  
 android:layout\_marginStart="18dp"  
 android:layout\_marginTop="73dp"  
 android:layout\_marginEnd="24dp"  
 android:layout\_marginBottom="4dp"  
 android:text="@string/bedroom"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**TextView  
 android:id="@+id/textView7"  
 android:layout\_width="109dp"  
 android:layout\_height="25dp"  
 android:layout\_alignStart="@+id/imageView7"  
 android:layout\_alignTop="@+id/imageView7"  
 android:layout\_alignEnd="@+id/imageView7"  
 android:layout\_alignBottom="@+id/imageView7"  
 android:layout\_marginStart="7dp"  
 android:layout\_marginLeft="155dp"  
 android:layout\_marginTop="73dp"  
 android:layout\_marginEnd="-1dp"  
 android:layout\_marginBottom="-1dp"  
 android:text="@string/living\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
  
 <**TextView  
 android:id="@+id/textView10"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:layout\_alignStart="@+id/imageView10"  
 android:layout\_alignTop="@+id/imageView10"  
 android:layout\_alignEnd="@+id/imageView10"  
 android:layout\_alignBottom="@+id/imageView10"  
 android:layout\_marginStart="22dp"  
 android:layout\_marginTop="76dp"  
 android:layout\_marginEnd="18dp"  
 android:layout\_marginBottom="3dp"  
 android:text="@string/kids\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**ImageView  
 android:id="@+id/imageView8"  
 android:layout\_width="116dp"  
 android:layout\_height="98dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginLeft="25dp"  
 android:layout\_marginTop="173dp"  
 android:layout\_marginEnd="15dp"  
 android:layout\_marginBottom="461dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contentDescription="TODO"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:srcCompat="@drawable/kitchen"  
 tools:ignore="SpeakableTextPresentCheck,DuplicateSpeakableTextCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView9"  
 android:layout\_width="114dp"  
 android:layout\_height="100dp"  
 android:layout\_below="@+id/imageView4"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="25dp"  
 android:layout\_marginLeft="150dp"  
 android:layout\_marginTop="27dp"  
 android:layout\_marginBottom="333dp"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contentDescription="TODO"  
 android:contextClickable="true"  
 android:paddingTop="8dp"  
 android:paddingBottom="25dp"  
 app:srcCompat="@drawable/bath"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
 <**ImageView  
 android:id="@+id/imageView14"  
 android:layout\_width="113dp"  
 android:layout\_height="99dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginLeft="275dp"  
 android:layout\_marginTop="-100dp"  
 android:layout\_marginEnd="23dp"  
 android:layout\_marginBottom="336dp"  
 android:layout\_toEndOf="@+id/imageView10"  
 android:background="@drawable/round\_border"  
 android:clickable="true"  
 android:contextClickable="true"  
 android:paddingTop="5dp"  
 android:paddingBottom="20dp"  
 app:srcCompat="@drawable/dinning\_table"  
 tools:ignore="SpeakableTextPresentCheck"** />  
  
  
 <**TextView  
 android:id="@+id/textView8"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:layout\_alignStart="@+id/imageView8"  
 android:layout\_alignTop="@+id/imageView8"  
 android:layout\_alignEnd="@+id/imageView8"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="19dp"  
 android:layout\_marginLeft="45dp"  
 android:layout\_marginTop="73dp"  
 android:layout\_marginEnd="24dp"  
 android:layout\_marginBottom="459dp"  
 android:text="@string/kitchen"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**TextView  
 android:id="@+id/textView9"  
 android:layout\_width="73dp"  
 android:layout\_height="22dp"  
 android:layout\_alignStart="@+id/imageView9"  
 android:layout\_alignTop="@+id/imageView9"  
 android:layout\_alignEnd="@+id/imageView9"  
 android:layout\_alignBottom="@+id/imageView9"  
 android:layout\_marginStart="21dp"  
 android:layout\_marginLeft="170dp"  
 android:layout\_marginTop="76dp"  
 android:layout\_marginEnd="21dp"  
 android:layout\_marginBottom="2dp"  
 android:text="@string/bathroom"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**TextView  
 android:id="@+id/textView11"  
 android:layout\_width="99dp"  
 android:layout\_height="23dp"  
 android:layout\_alignStart="@+id/imageView14"  
 android:layout\_alignTop="@+id/imageView14"  
 android:layout\_alignEnd="@+id/imageView14"  
 android:layout\_alignBottom="@+id/imageView14"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginLeft="282dp"  
 android:layout\_marginTop="75dp"  
 android:layout\_marginEnd="6dp"  
 android:layout\_marginBottom="1dp"  
 android:text="@string/dinning\_room"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="16sp"** />  
  
 <**ImageView  
 android:id="@+id/imageView15"  
 android:layout\_width="85dp"  
 android:layout\_height="80dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginLeft="25dp"  
 android:layout\_marginTop="50dp"  
 android:layout\_marginBottom="187dp"  
 android:background="@drawable/round\_border"  
 android:contentDescription="TODO"  
 android:paddingTop="3dp"  
 android:paddingBottom="10dp"  
 app:srcCompat="@drawable/lightbulb"** />  
  
 <**ImageView  
 android:id="@+id/imageView16"  
 android:layout\_width="85dp"  
 android:layout\_height="79dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="26dp"  
 android:layout\_marginBottom="78dp"  
 android:background="@drawable/round\_border"  
 android:contentDescription="TODO"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 app:srcCompat="@drawable/socket"** />  
  
 <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="148dp"  
 android:layout\_height="29dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="-8dp"  
 android:layout\_marginEnd="25dp"  
 android:layout\_marginBottom="192dp"  
 android:layout\_toStartOf="@+id/switch2"  
 android:layout\_toEndOf="@+id/imageView15"  
 android:text="@string/light\_control"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/textView3"  
 android:layout\_width="140dp"  
 android:layout\_height="28dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="14dp"  
 android:layout\_marginLeft="105dp"  
 android:layout\_marginTop="80dp"  
 android:layout\_marginBottom="79dp"  
 android:layout\_toEndOf="@+id/imageView16"  
 android:text="@string/power\_supply"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**Switch  
 android:id="@+id/switch1"  
 android:layout\_width="100dp"  
 android:layout\_height="48dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginLeft="280dp"  
 android:layout\_marginTop="-40dp"  
 android:layout\_marginEnd="13dp"  
 android:layout\_marginBottom="70dp"  
 android:showText="true"  
 android:switchTextAppearance="@style/TextAppearance.AppCompat.Large"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textOff="@string/off"  
 android:textOn="@string/on"  
 android:textSize="14sp"  
 tools:ignore="DuplicateSpeakableTextCheck"** />  
  
 <**Switch  
 android:id="@+id/switch2"  
 android:layout\_width="100dp"  
 android:layout\_height="48dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="14dp"  
 android:layout\_marginBottom="181dp"  
 android:showText="true"  
 android:switchTextAppearance="@style/TextAppearance.AppCompat.Large"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textOff="@string/off"  
 android:textOn="@string/on"  
 android:textSize="14sp"** />  
  
</**RelativeLayout**>

**Activity 2:**

**Diagram

Description automatically generated with low confidence**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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/gradiant2"  
 tools:context=".Assigment\_1.With\_Relative.Task\_2.Activity2MainActivity"**>  
  
 <**ImageView  
 android:id="@+id/imageView17"  
 android:layout\_width="244dp"  
 android:layout\_height="69dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="77dp"  
 android:layout\_marginLeft="85dp"  
 android:layout\_marginTop="158dp"  
 android:layout\_marginEnd="89dp"  
 app:srcCompat="@drawable/capture"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName6"  
 android:layout\_width="335dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/imageView17"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="37dp"  
 android:layout\_marginLeft="40dp"  
 android:layout\_marginTop="63dp"  
 android:layout\_marginEnd="39dp"  
 android:layout\_marginBottom="394dp"  
 android:ems="10"  
 android:hint="Email Address"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName7"  
 android:layout\_width="335dp"  
 android:layout\_height="48dp"  
 android:layout\_below="@+id/imageView17"  
 android:layout\_alignBottom="@+id/editTextTextPersonName6"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="35dp"  
 android:layout\_marginLeft="40dp"  
 android:layout\_marginTop="144dp"  
 android:layout\_marginEnd="40dp"  
 android:layout\_marginBottom="-82dp"  
 android:ems="10"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:textAlignment="center"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"** />  
  
 <**Button  
 android:id="@+id/button5"  
 android:layout\_width="337dp"  
 android:layout\_height="53dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="36dp"  
 android:layout\_marginLeft="40dp"  
 android:layout\_marginTop="453dp"  
 android:layout\_marginEnd="37dp"  
 android:backgroundTint="#FBFBFB"  
 android:text="LOGIN"  
 android:textColor="#009688"  
 android:textSize="24sp"** />  
  
 <**Button  
 android:id="@+id/button8"  
 android:layout\_width="204dp"  
 android:layout\_height="48dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="109dp"  
 android:layout\_marginLeft="105dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginEnd="98dp"  
 android:layout\_marginBottom="166dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="Forgot Password?"  
 android:textSize="12sp"** />  
  
 <**Button  
 android:id="@+id/button10"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="82dp"  
 android:layout\_marginLeft="70dp"  
 android:layout\_marginTop="140dp"  
 android:layout\_marginBottom="18dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="FACEBOOK"  
 android:textSize="12sp"** />  
  
 <**ImageView  
 android:id="@+id/imageView19"  
 android:layout\_width="40dp"  
 android:layout\_height="49dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="35dp"  
 android:layout\_marginLeft="35dp"  
 android:layout\_marginTop="-50dp"  
 android:layout\_marginBottom="16dp"  
 app:srcCompat="@drawable/facebook"** />  
  
 <**Button  
 android:id="@+id/button11"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginLeft="280dp"  
 android:layout\_marginTop="-50dp"  
 android:layout\_marginEnd="40dp"  
 android:layout\_marginBottom="19dp"  
 android:backgroundTint="#00FFFFFF"  
 android:text="TWITTER"  
 android:textSize="12sp"** />  
  
 <**ImageView  
 android:id="@+id/imageView18"  
 android:layout\_width="40dp"  
 android:layout\_height="55dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginLeft="240dp"  
 android:layout\_marginTop="-45dp"  
 android:layout\_marginEnd="7dp"  
 android:layout\_marginBottom="13dp"  
 android:layout\_toStartOf="@+id/button11"  
 app:srcCompat="@drawable/twitter"** />  
  
</**RelativeLayout**>