## [ 2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT]

# Practical: 3

**AIM-** Create UI by using Constraint Layout.

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#### Activity\_main.xml :-

```
<?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"
  tools:context=".MainActivity">
  <ImageView
    android:id="@+id/imageView2"
    android:layout_width="match_parent"
    android:layout_height="200dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:srcCompat="@drawable/guni_pink_logo"/>
  <com.google.android.material.card.MaterialCardView</p>
    android:id="@+id/materialCardView"
    android:layout_width="match_parent"
    android:layout_height="300dp"
    android:layout marginHorizontal="20dp"
    app:cardCornerRadius="20dp"
    app:cardElevation="20dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/imageView2">
    <androidx.constraintlayout.widget.ConstraintLayout
      android:layout_width="match_parent"
      android:layout_height="match_parent">
      <TextView
         android:id="@+id/textView2"
         android:layout_width="wrap_content"
         android:layout_height="wrap_content"
         android:layout_marginStart="20dp"
         android:layout_marginTop="24dp"
         android:text="Email-id"
         android:textSize="15sp"
         app:layout_constraintBottom_toTopOf="@+id/textView3"
         app:layout_constraintEnd_toStartOf="@+id/editTextTextEmailAddress"
         app:layout_constraintHorizontal_bias="0.222"
```

```
app:layout_constraintStart_toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout_constraintVertical_bias="0.329" />
<TextView
  android:id="@+id/textView3"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:text="Password"
  android:textSize="15sp"
  app:layout_constraintBaseline_toBaselineOf="@+id/editTextText3"
  app:layout constraintEnd toStartOf="@+id/editTextText3"
  app:layout_constraintHorizontal_bias="0.531"
  app:layout_constraintStart_toStartOf="parent" />
<EditText
  android:id="@+id/editTextText3"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout_marginTop="13dp"
  android:layout_marginEnd="32dp"
  android:layout marginBottom="16dp"
  android:ems="10"
  android:inputType="text"
  android:padding="15dp"
  android:text=""
  app:layout constraintBottom toTopOf="@+id/textView4"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/editTextTextEmailAddress" />
<TextView
  android:id="@+id/textView4"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout marginBottom="96dp"
  android:text="Forgot password?"
  android:textSize="17sp"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.085"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/textView3"
  app:layout_constraintVertical_bias="1.0" />
<Button
```

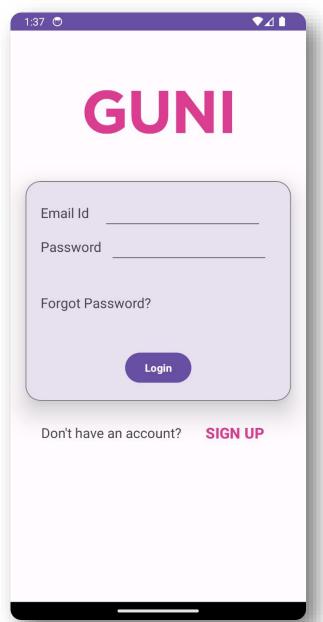
```
android:id="@+id/button"
      android:layout width="wrap content"
      android:layout_height="wrap_content"
      android:text="Login"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintHorizontal_bias="0.477"
      app:layout constraintStart toStartOf="parent"
      app:layout_constraintTop_toBottomOf="@+id/textView4"
      app:layout constraintVertical bias="0.916" />
    <EditText
      android:id="@+id/editTextTextEmailAddress"
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:ems="10"
      android:inputType="textEmailAddress"
      android:padding="15dp"
      app:layout_constraintBaseline_toBaselineOf="@+id/textView2"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintHorizontal_bias="0.491"
      app:layout constraintStart toEndOf="@+id/textView3"/>
  </androidx.constraintlayout.widget.ConstraintLayout>
</com.google.android.material.card.MaterialCardView>
<TextView
  android:id="@+id/textView5"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:text="Don't have an account?"
  android:textSize="15dp"
  app:layout_constraintBaseline_toBaselineOf="@+id/button2"
  app:layout_constraintEnd_toStartOf="@+id/button2"
  app:layout_constraintHorizontal_bias="0.591"
  app:layout constraintStart toStartOf="parent" />
<Button
  android:id="@+id/button2"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout_marginTop="27dp"
  android:layout_marginEnd="92dp"
  android:background="#00ffffff"
  android:text="sign Up"
  android:textColor="@android:color/holo red dark"
  android:textSize="15dp"
  app:layout_constraintBottom_toBottomOf="parent"
```

app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintTop\_toBottomOf="@+id/materialCardView" app:layout\_constraintVertical\_bias="0.046" />

</androidx.constraintlayout.widget.ConstraintLayout>

#### **Output**:-

#### **LIGHT THEME**



#### **DARK THEME**

