

Practical: 3

AIM- Create UI by using Constraint Layout.

Submitted By :- Krupa Patel
Enrollment number :- 21012021070



**Ganpat
University**

॥ विद्यया समाजोत्कर्षः ॥

**U.V. Patel
College of
Engineering**

Department of Computer Engineering/Information Technology

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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="200dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/guni_pink_logo" />

    <com.google.android.material.card.MaterialCardView
        android:id="@+id/materialCardView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginHorizontal="20dp"
        app:cardElevation="20dp"
        app:cardCornerRadius="20dp"
        app:layout_constraintTop_toBottomOf="@id/imageView">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:padding="20dp">

            <TextView
                android:id="@+id/textView"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
```

Practical: 3

```
    android:text="Email Id"
    android:textSize="18sp"
    app:layout_constraintBaseline_toBaselineOf="@+id/editTextTextEmailAddress"
    app:layout_constraintStart_toStartOf="parent" />

<EditText
    android:id="@+id/editTextTextEmailAddress"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textEmailAddress"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/textView"
    app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Password"
    android:textSize="18sp"
    app:layout_constraintBaseline_toBaselineOf="@+id/editTextTextPassword"
    app:layout_constraintStart_toStartOf="parent" />

<EditText
    android:id="@+id/editTextTextPassword"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPassword"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/textView2"
    app:layout_constraintTop_toBottomOf="@+id/editTextTextEmailAddress" />

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="50dp"
    android:text="Login"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />

<TextView
    android:id="@+id/textView3"
```

Practical: 3

```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="50dp"
        android:text="Forgot Password?"
        android:textSize="18sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</com.google.android.material.card.MaterialCardView>

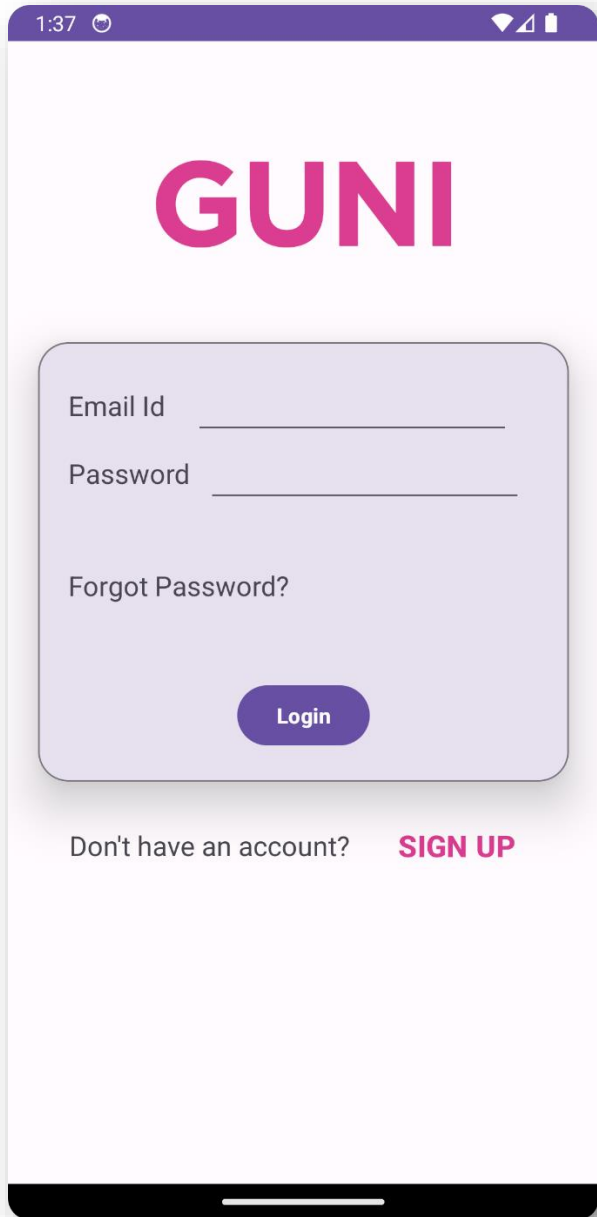
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:layout_marginEnd="125dp"
    android:text="Don't have an account?"
    android:textSize="18sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/materialCardView" />

<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="18dp"
    android:background="#004141"
    android:text="SIGN UP"
    android:textColor="#DB3D91"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.2"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toBottomOf="@+id/materialCardView" />

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

Output :-

Practical: 3



1:37

GUNI

Email Id

Password

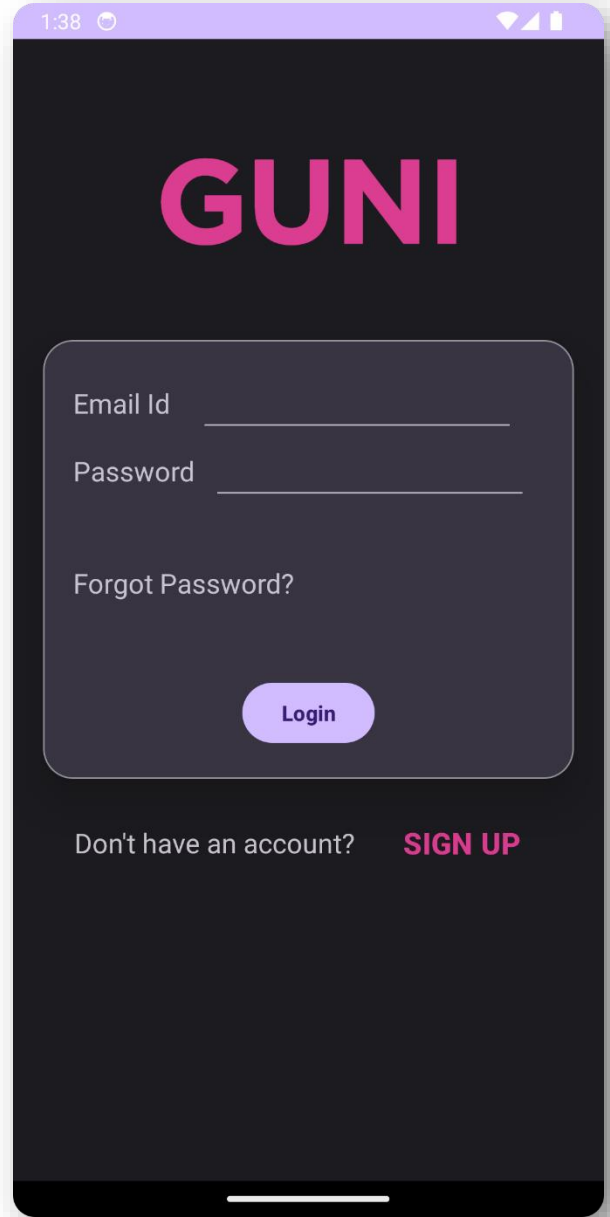
Forgot Password?

Login

Don't have an account? [SIGN UP](#)

This image shows a mobile app login screen in a light theme. The background is a very light pink. At the top, the status bar shows the time 1:37 and signal icons. The app's logo 'GUNI' is in a bold, pink font. Below it, a light purple rounded rectangle contains the login fields: 'Email Id' with a text input, 'Password' with a password input, and a 'Forgot Password?' link. A purple 'Login' button is at the bottom of this rectangle. Below the rectangle, the text 'Don't have an account?' is followed by a pink 'SIGN UP' link. The bottom of the screen shows a black home indicator bar.

LIGHT THEME



1:38

GUNI

Email Id

Password

Forgot Password?

Login

Don't have an account? [SIGN UP](#)

This image shows the same mobile app login screen but in a dark theme. The background is a dark navy blue. The status bar at the top shows the time 1:38. The 'GUNI' logo remains pink. The login form is now a dark grey rounded rectangle. The 'Email Id' and 'Password' labels are in a light grey, and the inputs are dark. The 'Forgot Password?' link is also in light grey. The 'Login' button is dark grey with white text. Below the rectangle, 'Don't have an account?' is in light grey, and the 'SIGN UP' link is pink. The bottom of the screen shows a black home indicator bar.

DARK THEME