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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">

    <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"
```

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```
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"
```

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```
        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>

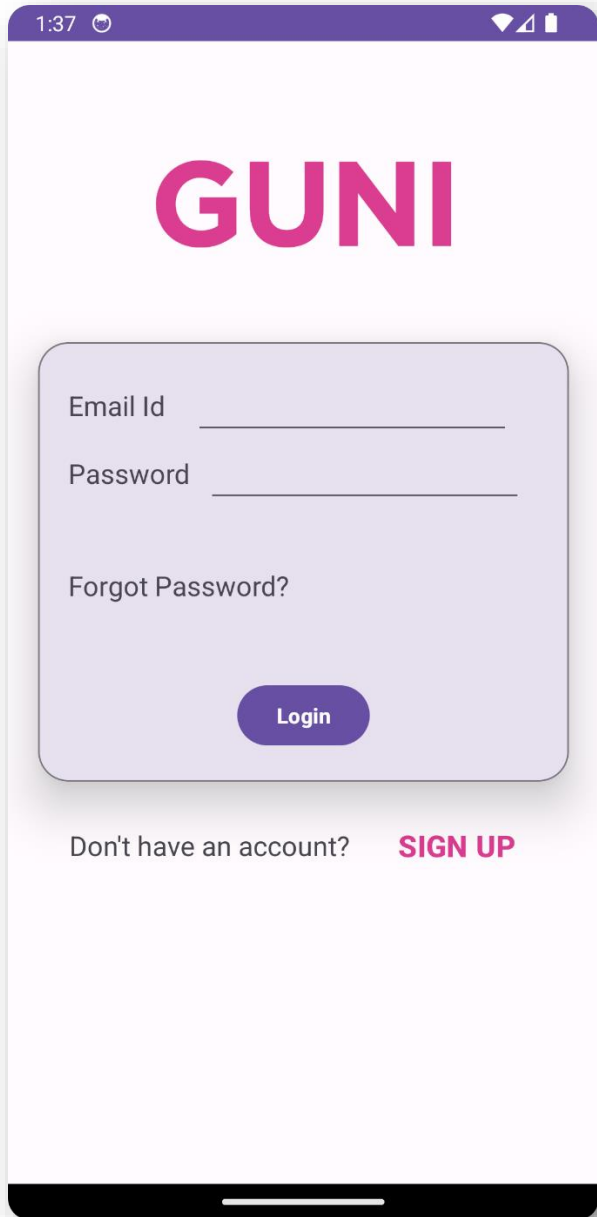
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:layout_marginEnd="125dp"
    android:text="Don't have an account?"
    android:textSize="18sp"
    app:layout_constraintEnd_toEndOf="parent"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

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1:37

GUNI

Email Id

Password

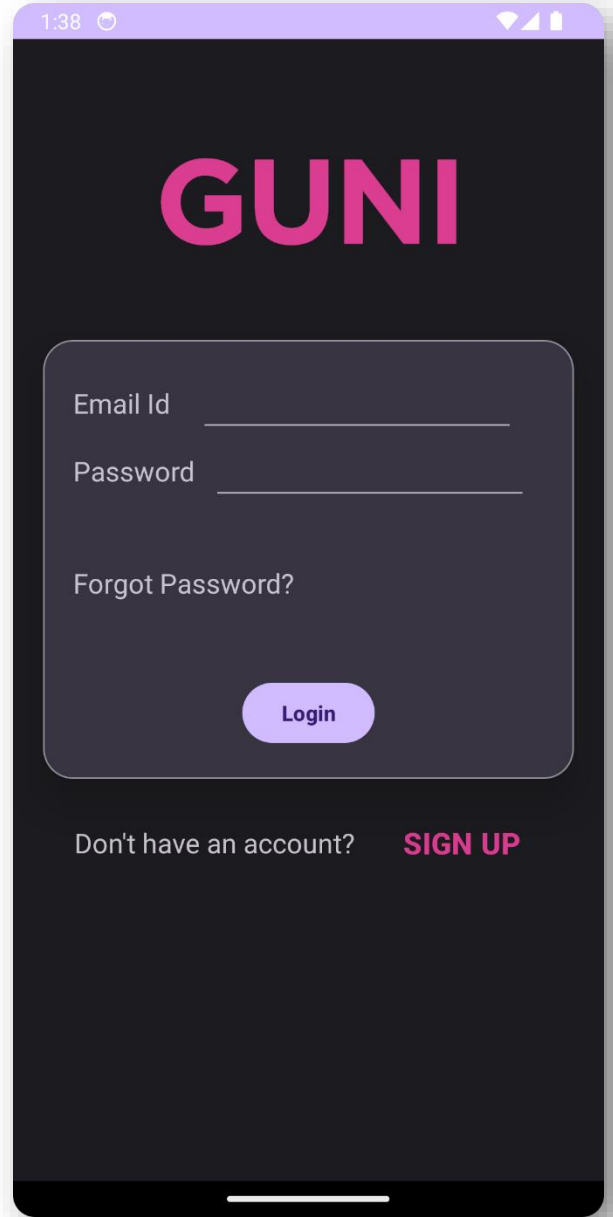
Forgot Password?

Login

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

This image shows a mobile app login screen in a light theme. The background is white. At the top, there's a status bar with the time 1:37 and icons for signal, Wi-Fi, and battery. Below that is a purple header bar. The main content area is white. In the center, there's a light purple rounded rectangle containing the login form. The form has two input fields: 'Email Id' and 'Password'. Below the password field is a link 'Forgot Password?'. At the bottom of the rounded rectangle is a purple 'Login' button. Below the rounded rectangle, there's a link 'Don't have an account?' followed by a purple 'SIGN UP' button. At the very bottom is 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 as the light theme, but in a dark theme. The background is dark grey/black. The status bar at the top shows the time 1:38. The header bar is purple. The main content area is dark grey. The login form is contained within a dark grey rounded rectangle. The 'Email Id' and 'Password' input fields have white text. The 'Forgot Password?' link is white. The 'Login' button is purple with white text. Below the rounded rectangle, the 'Don't have an account?' link is white, and the 'SIGN UP' button is purple with white text. At the bottom is a black home indicator bar.

DARK THEME