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Class: BSIT-M2 (2020-2024)

Roll No: BSIT-M2-20-48

Submitted to: Professor Jameel

Subject: Android Development

Assignment: 01

**Description**

We are using LinearLayout at root level, which acts as a container and arranges its child views vertically because of android:orientation="vertical". All child views or elements are further centered horizontally due to the property android:gravity="center\_horizontal" specified.

Inside the LinearLayout, there is an ImageView that displays login image, the source of image is specified by android:src="@drawable/login", further the property android:contentDescription. Provides more description of the login image for accessibility options.

After the ImageView, there are several EditText Views, these are input fields where users can enter text. Each TextView is assigned a unique ID using android:id attribute. The android:layout\_width and android:layout\_height attributes specify the dimensions of the EditText views.

EditText views haves further attributes like android:hint to display a placeholder text value inside the EditText input field, android:inputType to set the keyboard type, and android:background to define a custom background for the fields.

Next, there is a Button defined with android:id="@+id/buttonRegister". It displays the text "Register" and also has a custom background color using android:backgroundTint="#FFFF00". The button is positioned below the EditText views with android:layout\_marginTop="16dp" to add some space margin.

Further all of the EditText views has a border radius of yellow color of width of 2dp. The layout is stored in edit\_text\_border.xml.

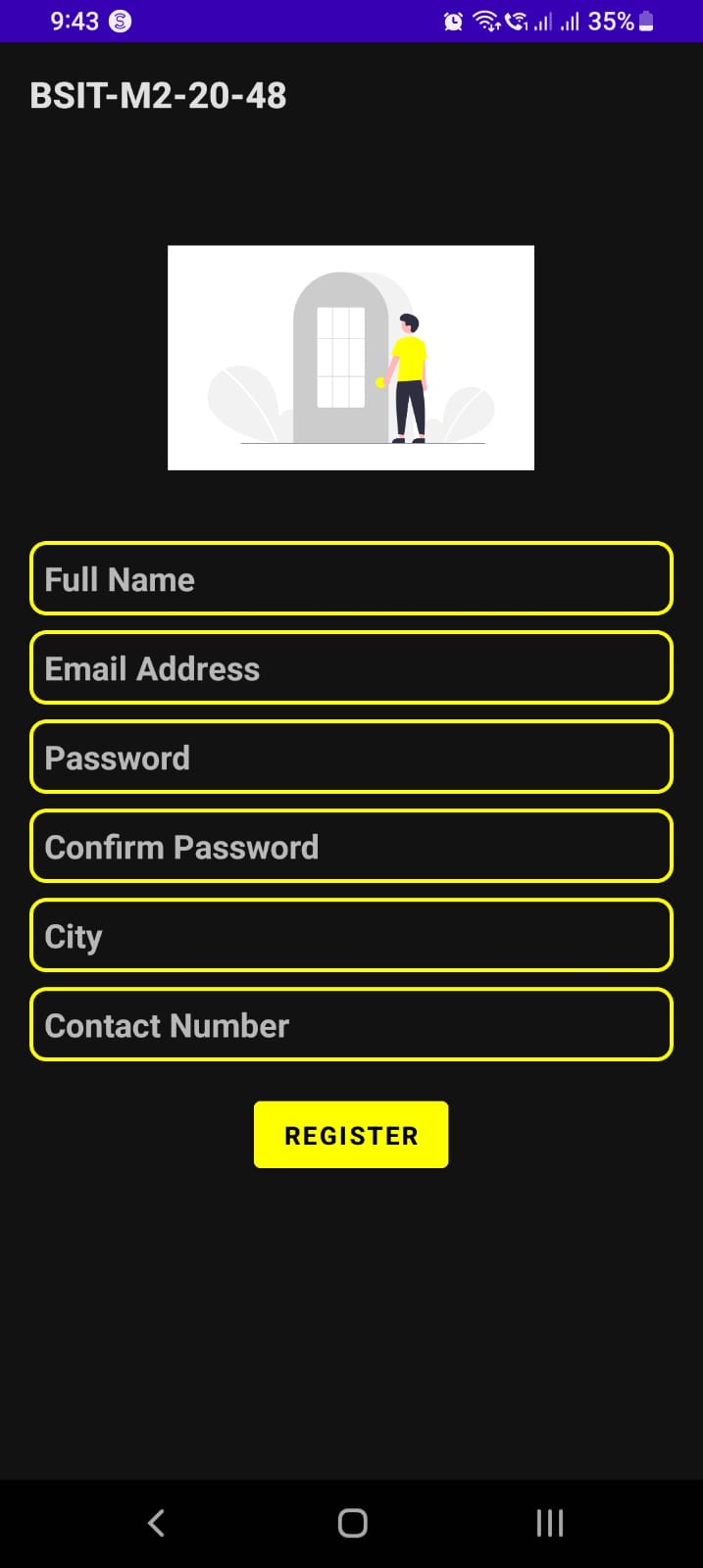
**Code**

Complete code can be found on my [GitHub](https://github.com/MatrixUsman/BSITM2/tree/main/Semester%206/Android%20Devlopment/Assignment_1/BSITM22048).

Link to [APK](https://github.com/MatrixUsman/BSITM2/blob/main/Semester%206/Android%20Devlopment/Assignment_1/Assignment_1.apk)

[Compressed Code zip](https://github.com/MatrixUsman/BSITM2/blob/main/Semester%206/Android%20Devlopment/Assignment_1/BSIT-M2-20-48_Assignment_1.zip)

**Screenshots**

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