# Bahria University,

## Karachi Campus



LAB EXPERIMENT NO.

**\_03\_**

LIST OF TASKS

|  |  |
| --- | --- |
| **TASK NO** | **OBJECTIVE** |
| 01 | Implement Facebook Login UI using Relative Layout |
| 02 | Student Profile Layout   * Create a student profile layout using RelativeLayout. The layout should display the student's name, age, grade, and a profile picture. * Requirements:  1. Use a RelativeLayout as the parent layout. 2. Display the student's name centered horizontally at the top of the layout. 3. Display the student's age and grade below the name, aligned to the left side of the layout. 4. Place the profile picture to the right of the student's name, slightly below the name, with some margin between them. 5. Ensure that the layout is visually appealing and provides sufficient spacing and alignment. |

Submitted On:

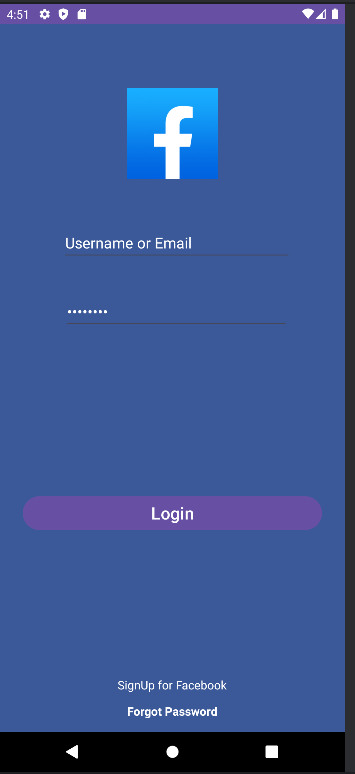
Date: 22/02/2024

**Task No 01:** Implement Facebook Login UI using Relative Layout

**Solution:**

<?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=".MainActivity"  
 android:background="#3b5998">  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="46dp"  
 android:text="SignUp for Facebook"  
 android:textColor="@color/white" />  
 <EditText  
 android:id="@+id/editTextTextEmailAddress"  
 android:layout\_width="274dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginStart="74dp"  
 android:layout\_marginTop="238dp"  
 android:ems="10"  
 android:hint="Username or Email"  
 android:inputType="textEmailAddress"  
 android:textColor="#fff"  
 android:textColorHint="#fff" />  
 <EditText  
 android:id="@+id/editTextTextPassword"  
 android:layout\_width="268dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginStart="76dp"  
 android:layout\_marginTop="320dp"  
 android:ems="10"  
 android:inputType="textPassword"  
 android:textColor="#fff"  
 android:text="Password"  
 android:hint="Password"/>  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="357dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="236dp"  
 android:text="Login"  
 android:textSize="20dp"/>  
 <TextView  
 android:id="@+id/ForgotPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="15dp"  
 android:text="Forgot Password"  
 android:textColor="@color/white"  
 android:textStyle="bold" />  
</RelativeLayout>

**Output:**

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**Task No 02:** Student Profile Layout

* Create a student profile layout using RelativeLayout. The layout should display the student's name, age, grade, and a profile picture.
* Requirements:

1. Use a RelativeLayout as the parent layout.
2. Display the student's name centered horizontally at the top of the layout.
3. Display the student's age and grade below the name, aligned to the left side of the layout.
4. Place the profile picture to the right of the student's name, slightly below the name, with some margin between them.
5. Ensure that the layout is visually appealing and provides sufficient spacing and alignment.

**Solution:**

<?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=".MainActivity">  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="278dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginStart="55dp"  
 android:layout\_marginTop="78dp"  
 android:text="Student Profile"  
 android:textSize="40dp" />  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginStart="76dp"  
 android:layout\_marginTop="205dp"  
 android:text="Shoaib Akhter"  
 android:textSize="30dp" />  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginStart="83dp"  
 android:layout\_marginTop="277dp"  
 android:text="Age: 17"  
 android:textSize="20dp" />  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="274dp"  
 android:layout\_marginEnd="136dp"  
 android:text="Grade: A"  
 android:textSize="20dp" />  
 <ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="75dp"  
 android:layout\_height="63dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginStart="23dp"  
 android:layout\_marginTop="202dp"  
 android:layout\_marginEnd="19dp"  
 android:layout\_toEndOf="@+id/textView4"  
 app:srcCompat="@drawable/img\_1" />  
</RelativeLayout>

**Output:**

**A screenshot of a phone

Description automatically generated**