Bahria University,

Karachi Campus

A logo with text on it

Description automatically generated

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

Submitted On:

06-03-2024

(Date: DD/MM/YYYY)

**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:id="@+id/main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

android:background="@color/fbblue"

>

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Sign In"

android:textColor="@color/white"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="80dp"

android:textSize="25dp"

/>

<Button

android:id="@+id/button2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="290dp"

android:text="Login"

android:textSize="25dp" />

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="30dp"

android:layout\_marginTop="120dp"

android:text="Email"

android:textColor="@color/white"

android:textSize="15dp"

/>

<EditText

android:id="@+id/editTextText"

android:layout\_width="350sp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="30dp"

android:layout\_marginTop="145dp"

android:background="@color/fb"

android:ems="10"

android:hint="Enter Email"

android:inputType="text"

android:padding="5dp"

/>

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="30dp"

android:layout\_marginTop="190dp"

android:text="Password"

android:textColor="@color/white"

android:textSize="15dp"

/>

<EditText

android:id="@+id/editTextText1"

android:layout\_width="350sp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="30dp"

android:layout\_marginTop="214dp"

android:background="@color/fb"

android:ems="10"

android:hint="Enter Password"

android:inputType="text"

android:padding="5dp"

/>

<CheckBox

android:id="@+id/checkBox"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="30dp"

android:layout\_marginTop="250dp"

android:text="Remember Me"

android:textColor="@color/white"

/>

<TextView

android:id="@+id/textView3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="270dp"

android:layout\_marginTop="250dp"

android:text="Forgot Password"

android:textColor="@color/white"

android:textSize="15dp" />

<TextView

android:id="@+id/or"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="OR"

android:textColor="@color/white"

android:layout\_centerHorizontal="true"

android:layout\_centerVertical="true"

android:textSize="15dp" />

/>

<TextView

android:id="@+id/orloginwith"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Login With"

android:textColor="@color/white"

android:layout\_centerHorizontal="true"

android:textSize="15dp"

android:layout\_marginTop="380dp"

/>

<ImageView

android:id="@+id/imageView"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:layout\_marginTop="410dp"

app:srcCompat="@drawable/google"

android:background="@drawable/oval"

android:layout\_marginLeft="150dp"

/>

<ImageView

android:id="@+id/imageView1"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:layout\_marginTop="410dp"

app:srcCompat="@drawable/insta"

android:background="@drawable/oval"

android:layout\_marginLeft="210dp"

/>

<TextView

android:id="@+id/orloginwith1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Do You Have an Account? "

android:textColor="@color/white"

android:layout\_centerHorizontal="true"

android:textSize="15dp"

android:layout\_marginTop="600dp"

/>

<TextView

android:id="@+id/orloginwith2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Sign Up "

android:layout\_marginLeft="291dp"

android:textColor="@color/white"

android:textSize="15dp"

android:layout\_marginTop="600dp"

android:textStyle="bold"

/>

<ImageView

android:id="@+id/imageView2"

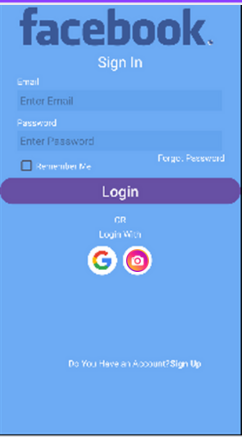
android:layout\_width="392dp"

android:layout\_height="71dp"

app:srcCompat="@drawable/facebook" />

</RelativeLayout>

**Output:**

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**Task No. 02**: Student Profile Layout

Create a student profile layout using Relative Layout. The layout should display the student's name, age, grade, and a profile picture.

Requirements:

* Use a RelativeLayout as the parent layout.
* Display the student's name centered horizontally at the top of the layout.
* Display the student's age and grade below the name, aligned to the left side of the layout.
* Place the profile picture to the right of the student's name, slightly below the name, with some margin between them.
* 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:id="@+id/main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

android:background="#F2FED1"

>

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Name "

android:layout\_marginLeft="20dp"

android:textStyle="bold"

android:textSize="20dp"

android:layout\_marginTop="20dp"

/>

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Ahsan "

android:layout\_marginLeft="80dp"

android:textSize="20dp"

android:layout\_marginTop="20dp"

/>

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Age "

android:layout\_marginLeft="20dp"

android:textStyle="bold"

android:textSize="20dp"

android:layout\_marginTop="50dp"

/>

<TextView

android:id="@+id/textView3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="21 "

android:layout\_marginLeft="80dp"

android:textSize="20dp"

android:layout\_marginTop="50dp"

/>

<TextView

android:id="@+id/textView4"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Grade "

android:layout\_marginLeft="20dp"

android:textStyle="bold"

android:textSize="20dp"

android:layout\_marginTop="80dp"

/>

<TextView

android:id="@+id/textView5"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="A "

android:layout\_marginLeft="80dp"

android:textSize="20dp"

android:layout\_marginTop="80dp"

/>

<ImageView

android:id="@+id/imageView"

android:layout\_width="200dp"

android:layout\_height="200dp"

app:srcCompat="@drawable/ahsan\_img"

android:layout\_marginTop="49dp"

android:layout\_marginLeft="170dp"

/>

</RelativeLayout>

****

**Output:**