

ASSIGNMENT NO - 3

Aim :_To write an android program to take in the input from the user (name , address , age , registration no) and submit to display the detail in the other screen.

➤ **Description:**

I have to create an android application which will take the input from the user in a user form which consist of name , address , registration no etc . on pressing the submit button a new page will be displayed which will show the result which I have submitted :

- Create a new project.
- Name them as user input form.
- It will generate activity_main.xml and mainactivity.java file.
- Create another activity file which will display the output on clicking the submit button.

➤ **Expected input:**

My expected input is name, reg_no , address , email_id.

➤ **Expected output:**

My expected output will be a new page displaying all the entered value .

➤ **Discussion:**

In this program I have to create the form which consist of some input field like name, registration no, address and email id . The user will fill up all these data and then on clicking the submit button we will get a new page which will display all the data which I have submitted in the first page.

➤ **Error checking :**

I have done the error checking there is no any error the program is running well and fine.

➤ **Assumption taken:**

There is no any assumption.

➤ **Scope for improvement:**

Its user interface should be improved and database should be connected to store the data.

➤ **Additional feature :**

It will display all the data in proper format.

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"
android:layout_margin="10dp"
android:background="#D6D5CC"
android:textAlignment="center"
tools:context=".MainActivity">

    <EditText
        android:id="@+id/name"
        android:layout_width="370dp"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter your name"
        android:inputType="textPersonName"
        android:textAlignment="center"
        android:textColor="@color/design_default_color_error"
        android:textColorHint="#2196F3"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.142" />

    <EditText
        android:id="@+id/addr"
        android:layout_width="370dp"
        android:layout_height="50dp"
        android:ems="10"
        android:hint="Enter your Address"
        android:inputType="textPostalAddress"
```

```
android:textAlignment="center"
android:textColorHint="#2196F3"
android:textSize="20sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.232" />
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="383dp"
    android:layout_height="52dp"
    android:text="REGISTARION FORM"
    android:textAlignment="center"
    android:textSize="34sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.413"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.044" />
```

```
<EditText
    android:id="@+id/reg"
    android:layout_width="370dp"
    android:layout_height="47dp"
    android:ems="10"
    android:hint="Enter your registration no"
    android:inputType="number"
    android:textAlignment="center"
    android:textColorHint="#2196F3"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.336" />
```

```
<EditText
    android:id="@+id/email"
    android:layout_width="370dp"
    android:layout_height="61dp"
    android:ems="10"
    android:hint="Enter your email address"
    android:inputType="textEmailAddress"
    android:textAlignment="center"
    android:textColorHint="#2196F3"
```

```

        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.589"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.432" />

<Button
    android:id="@+id/btn"
    android:layout_width="196dp"
    android:layout_height="69dp"
    android:background="#CDDC39"
    android:text="SUBMIT"
    android:textAlignment="center"
    app:iconTint="#CDDC39"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.989" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

Activity_main2.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"
    android:layout_margin="10dp"
    android:background="#D6D5CC"
    android:backgroundTint="#CDDC39"
    android:textAlignment="center"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/name"
        android:layout_width="370dp"
        android:layout_height="70dp"
        android:ems="10"

```

```
android:inputType="textPersonName"
android:textAlignment="center"
android:textColor="@color/design_default_color_error"
android:textColorHint="#2196F3"
android:textSize="20sp"
app:layout_constraintBottom_toTopOf="@+id/addr"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView"
app:layout_constraintVertical_bias="0.142" />
```

<EditText

```
android:id="@+id/addr"
android:layout_width="376dp"
android:layout_height="70dp"
android:ems="10"
android:inputType="textPostalAddress"
android:textAlignment="center"
android:textColorHint="#2196F3"
android:textSize="20sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.323" />
```

<TextView

```
android:id="@+id/textView"
android:layout_width="383dp"
android:layout_height="52dp"
android:text="REGISTRATION COMPLETED"
android:textAlignment="center"
android:textSize="24sp"
android:textStyle="bold"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.413"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.044" />
```

<EditText

```
android:id="@+id/reg"
android:layout_width="370dp"
android:layout_height="70dp"
android:ems="10"
android:inputType="number"
android:textAlignment="center"
android:textColorHint="#2196F3"
android:textSize="20sp"
```

```

        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.549" />

<EditText
    android:id="@+id/email"
    android:layout_width="370dp"
    android:layout_height="70dp"
    android:ems="10"
    android:inputType="textEmailAddress"
    android:textAlignment="center"
    android:textColorHint="#2196F3"
    android:textSize="16sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.727"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.739" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

MainActivity.kt

```

package com.example.labproject3

import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val name = findViewById<EditText>(R.id.name)
        val reg = findViewById<EditText>(R.id.reg)
        val addr = findViewById<EditText>(R.id.addr)
        val submit = findViewById<Button>(R.id.btn)
    }
}

```

```

        val email = findViewById<EditText>(R.id.email)

        submit.setOnClickListener {
            var enteredName = name.text.toString()
            var enteredreg = reg.text.toString()
            var email1 = email.text.toString()
            var addr = addr.text.toString()
            if (enteredName=="")
            {
                //greetingTextView.text = ""
                Toast.makeText(
                    this@MainActivity,
                    "please enter your name",
                    Toast.LENGTH_SHORT
                ).show()
            }
            else if ((enteredreg=="") || (enteredreg.length <
10))
            {
                //greetingTextView.text = ""
                Toast.makeText(
                    this@MainActivity,
                    "please enter your registration no of 10
character",
                    Toast.LENGTH_SHORT
                ).show()
            }
            else
            {
                val intent = Intent(this,
MainActivity2::class.java)
                val extras = Bundle()
                extras.putString("USERNAME", "$enteredName")
                extras.putString("REG_NO", "$enteredreg")
                extras.putString("EMAIL", "$email1")
                extras.putString("ADDR", "$addr")
                intent.putExtras(extras)
                startActivity(intent)
            }
        }
    }
}

```

MainActivity2.kt

```

package com.example.labproject3

import android.os.Bundle
import android.widget.TextView
import androidx.appcompat.app.AppCompatActivity

class MainActivity2 : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main2)

        val extras = intent.extras
        val username = extras!!.getString("USERNAME")
        val regno = extras!!.getString("REG_NO")
        val email = extras!!.getString("EMAIL")
        val addr = extras!!.getString("ADDR")

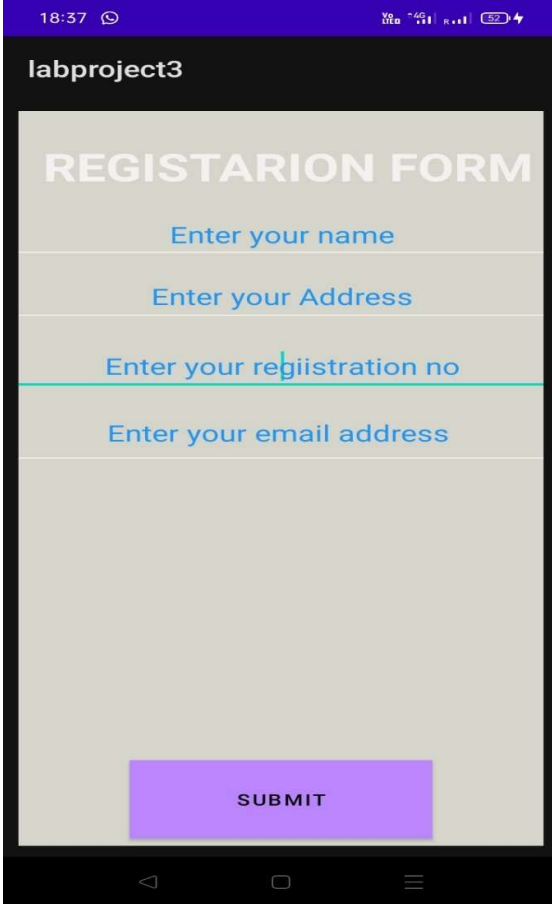
        val name = findViewById<TextView>(R.id.name)
        val address = findViewById<TextView>(R.id.addr)
        val emai = findViewById<TextView>(R.id.email)
        val reg = findViewById<TextView>(R.id.reg)

        name.text = "NAME : $username"
        address.text = "ADDRESS : $addr"
        emai.text = "EMAIL : $email"
        reg.text = "REGNO : $regno"

    }
}

```


Output



labproject3

REGISTARION FORM

Enter your name

Enter your Address

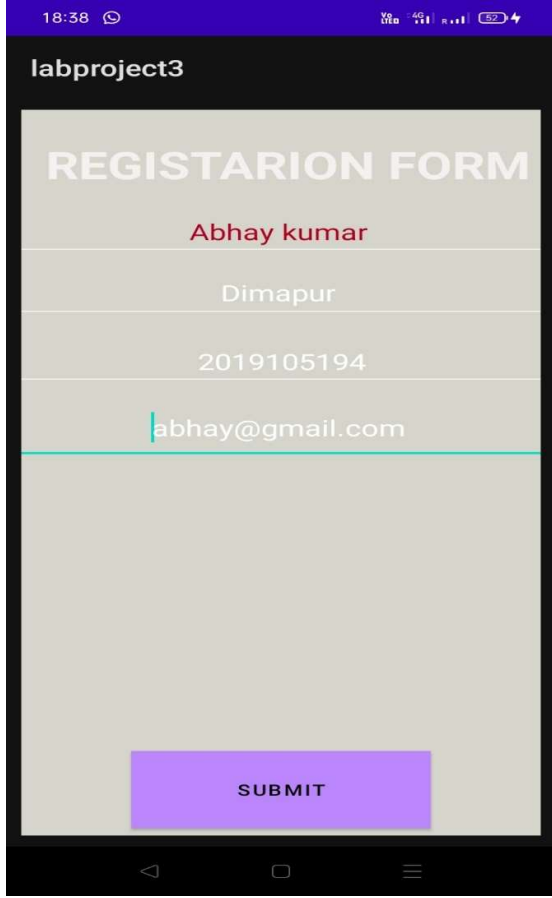
Enter your regiiistration no

Enter your email address

SUBMIT

This screenshot shows a mobile application interface for a registration form. The title bar is black with the text 'labproject3' in white. The form has a light gray background. It contains four input fields with blue placeholder text: 'Enter your name', 'Enter your Address', 'Enter your regiiistration no' (note the typo), and 'Enter your email address'. A purple 'SUBMIT' button is at the bottom. The status bar at the top shows the time 18:37, signal strength, and battery level at 52%.

Before input



labproject3

REGISTARION FORM

Abhay kumar

Dimapur

2019105194

abhay@gmail.com

SUBMIT

This screenshot shows the same registration form after data entry. The input fields now contain the text 'Abhay kumar', 'Dimapur', '2019105194', and 'abhay@gmail.com'. The purple 'SUBMIT' button remains at the bottom. The status bar at the top shows the time 18:38, signal strength, and battery level at 52%.

After input



After submitting