**[ 2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT]**

Practical: 4



**AIM- Create following UI by using ConstraintLayout, LinearLayout, in one android Application. Create two activities LoginActivity by using ConstraintLayout and RegistrationActivity by using LinearLayout & use Explicit Intent to move from one activity to another activity.**

Submitted By:

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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">

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/Loginbutton"

android:text="Login"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

android:layout\_marginLeft="160dp"

android:layout\_marginTop="270dp" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

app:layout\_constraintStart\_toStartOf="parent"

android:id="@+id/signupbutton"

android:text="Sign Up"

app:layout\_constraintTop\_toBottomOf="@id/Loginbutton"

android:layout\_marginLeft="155dp"/>

</androidx.constraintlayout.widget.ConstraintLayout>

**Activity\_loginactivity.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=".Loginactivity">

<androidx.core.widget.NestedScrollView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<androidx.constraintlayout.widget.ConstraintLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<ImageView

android:layout\_width="match\_parent"

android:layout\_height="150dp"

android:id="@+id/image\_main"

android:src="@drawable/guni\_pink\_logo"

app:layout\_constraintTop\_toTopOf="parent" />

<com.google.android.material.card.MaterialCardView

android:layout\_width="match\_parent"

android:layout\_height="250dp"

android:layout\_marginHorizontal="20dp"

app:cardCornerRadius="20dp"

android:id="@+id/materialcardview"

app:cardElevation="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/image\_main">

<androidx.constraintlayout.widget.ConstraintLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="20dp">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/textemailid"

android:text="Email Id"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintBaseline\_toBaselineOf="@id/editemailid" />

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/editemailid"

android:inputType="textEmailAddress"

android:ems="10"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toEndOf="@id/textemailid"

app:layout\_constraintTop\_toTopOf="parent"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/textpassword"

android:text="Password"

app:layout\_constraintTop\_toBottomOf="@id/textemailid"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintBaseline\_toBaselineOf="@id/editpassword"/>

<EditTex

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/editpassword"

android:ems="10"

android:inputType="textPassword"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toEndOf="@id/textpassword"

app:layout\_constraintTop\_toBottomOf="@id/editemailid"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/textfpswd"

android:text="Forgot Password?"

app:layout\_constraintTop\_toBottomOf="@id/textpassword"

app:layout\_constraintStart\_toStartOf="parent"

android:layout\_marginTop="30dp"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:gravity="center"

android:id="@+id/login"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/textfpswd"

android:layout\_marginTop="20dp"

app:layout\_constraintEnd\_toEndOf="parent"

android:text="Login"/>

</androidx.constraintlayout.widget.ConstraintLayout>

</com.google.android.material.card.MaterialCardView>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="40dp"

android:layout\_marginTop="30dp"

android:id="@+id/textdhaa"

app:layout\_constraintStart\_toStartOf="parent"

android:text="Don't have an account?"

app:layout\_constraintTop\_toBottomOf="@id/materialcardview"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/signup"

android:text="SIGN UP"

app:layout\_constraintStart\_toEndOf="@id/textdhaa"

android:layout\_marginStart="20dp"

android:layout\_marginTop="15dp"

android:background="#00ffffff"

android:textColor="#FF1493"

app:layout\_constraintTop\_toBottomOf="@id/materialcardview"/>

</androidx.constraintlayout.widget.ConstraintLayout>

</androidx.core.widget.NestedScrollView>

</androidx.constraintlayout.widget.ConstraintLayout>

**Activity\_signupactivity.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=".signupactivity">

<androidx.core.widget.NestedScrollView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<androidx.constraintlayout.widget.ConstraintLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<ImageView

android:layout\_width="match\_parent"

android:layout\_height="150dp"

android:id="@+id/image\_main"

android:src="@drawable/guni\_pink\_logo"

app:layout\_constraintTop\_toTopOf="parent"/>

<com.google.android.material.card.MaterialCardView

android:layout\_width="match\_parent"

android:layout\_height="320dp"

android:layout\_marginHorizontal="20dp"

app:cardCornerRadius="20dp"

android:id="@+id/materialcardview"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/image\_main"> <androidx.constraintlayout.widget.ConstraintLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="20dp">

<TextView

android:id="@+id/fullname"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="User Full Name"

app:layout\_constraintBaseline\_toBaselineOf="@id/editfullname"

app:layout\_constraintStart\_toStartOf="parent" />

<EditText

android:id="@+id/editfullname"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="8"

app:layout\_constraintBaseline\_toBaselineOf="@id/fullname"

app:layout\_constraintEnd\_toEndOf="parent" />

<TextView

android:id="@+id/phoneno"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Phone Number"

app:layout\_constraintBaseline\_toBaselineOf="@id/editphoneno"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/fullname" />

<EditText

android:id="@+id/editphoneno"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="8"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/editfullname" />

<TextView

android:id="@+id/city"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="City"

app:layout\_constraintBaseline\_toBaselineOf="@id/editcity"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/phoneno" />

<EditText

android:id="@+id/editcity"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="8"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/editphoneno" />

<TextView

android:id="@+id/email"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Email"

app:layout\_constraintBaseline\_toBaselineOf="@id/editemail"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/city" />

<EditText

android:id="@+id/editemail"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="8"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/editcity" />

<TextView

android:id="@+id/pswd"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Password"

app:layout\_constraintBaseline\_toBaselineOf="@id/editpswd"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/email" />

<EditText

android:id="@+id/editpswd"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="8"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/editemail" />

<TextView

android:id="@+id/confirmpswd"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Confirm Password"

app:layout\_constraintBaseline\_toBaselineOf="@id/editconfirmpswd"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/pswd" />

<EditText

android:id="@+id/editconfirmpswd"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="8"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/editpswd" />

</androidx.constraintlayout.widget.ConstraintLayout>

</com.google.android.material.card.MaterialCardView>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/materialcardview"

android:id="@+id/allrhacc"

android:text="Do you have an account?"

android:layout\_marginTop="25dp"

android:layout\_marginLeft="30dp"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/singup"

app:layout\_constraintStart\_toEndOf="@id/allrhacc"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/materialcardview"

android:text="Login"

android:layout\_marginTop="15dp"

android:background="#00ffffff"

android:textColor="#FF1493"/>

<Button

android:id="@+id/register"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Register"

app:layout\_constraintStart\_toEndOf="@id/allrhacc"

app:layout\_constraintBottom\_toTopOf="@id/singup"/>

</androidx.constraintlayout.widget.ConstraintLayout>

</androidx.core.widget.NestedScrollView>

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.kt:**

package com.mahavirpatel.mad\_practical\_4\_21012011088

import android.content.Intent

import android.os.Bundle

import android.view.View

import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

findViewById<View>(R.id.Loginbutton).setOnClickListener {

// Create an Intent to navigate to SecondActivity

val intent = Intent(this, Loginactivity::class.java)

startActivity(intent)}

findViewById<View>(R.id.signupbutton).setOnClickListener {

// Create an Intent to navigate to SecondActivity

val intent = Intent(this, signupactivity::class.java)

startActivity(intent)}}}

**Loginactivity.kt:**

package com.mahavirpatel.mad\_practical\_4\_21012011088

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

class Loginactivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState) setContentView(R.layout.activity\_loginactivity)}}

**Singupactivity.kt:**

package com.mahavirpatel.mad\_practical\_4\_21012011088

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

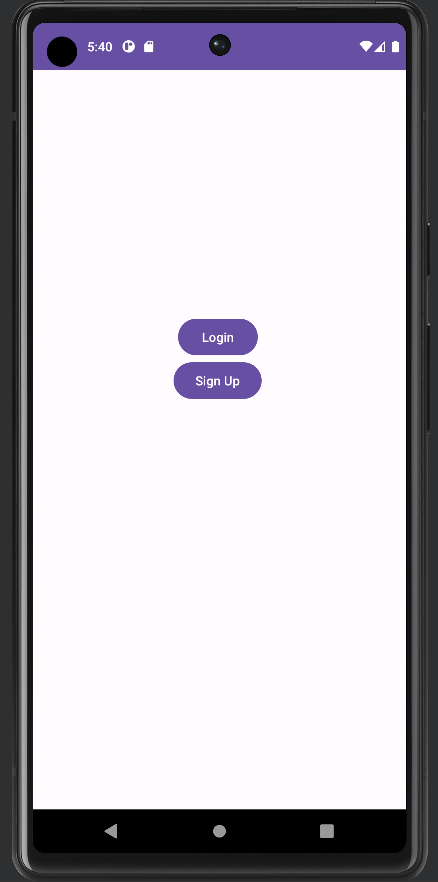
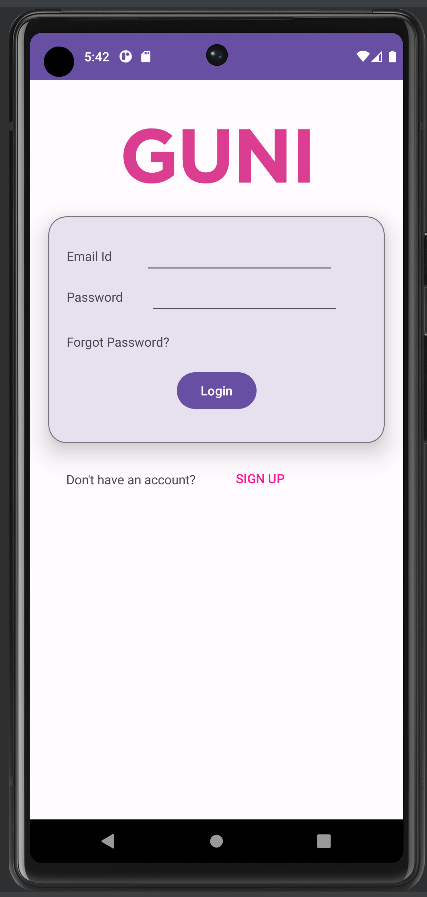
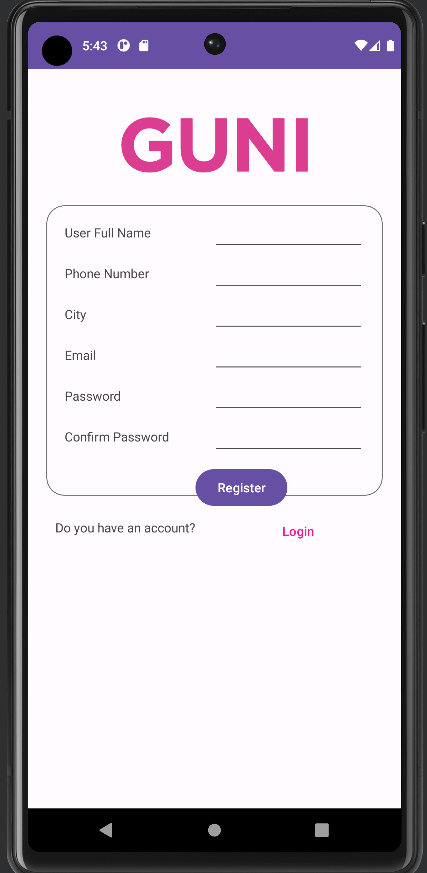
class signupactivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_signupactivity)}}

**Output:**

**  **