

# 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.

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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"
```

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```
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
```

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```
        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"/>
<EditText
    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/textfpwd"
    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"
```

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```
        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"?>
```

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```
<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"
```

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```
        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"
```

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```
    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" />
```



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```
<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"
```

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```
        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/signup"/>
</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?) {
```

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```
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:

