

# 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:  
21012021003



**Ganpat  
University**  
॥ विद्यया समाजोत्कर्षः ॥

**U.V. Patel  
College of  
Engineering**

**Department of Computer  
Engineering/Information Technolog**

### 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">

    <ImageView
        android:id="@+id/imageView"
        android:layout_height="200dp"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_width="match_parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/guni_pink_logo" />

    <com.google.android.material.card.MaterialCardView
        android:id="@+id/materialCardView"
        android:layout_width="match_parent"
        android:layout_height="250dp"
        android:layout_marginHorizontal="20dp"
        android:layout_marginBottom="150dp"
        android:elevation="20dp"
        app:cardCornerRadius="20dp"
        app:cardElevation="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView"
        app:layout_constraintVertical_bias="0.23">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <Button
            android:id="@+id/Signup"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="136dp"
            android:layout_marginTop="152dp"
            android:text="Sign up"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

        <Button
            android:id="@+id/Login"
```

```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="140dp"
        android:layout_marginTop="92dp"
        android:text="Login"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    </androidx.constraintlayout.widget.ConstraintLayout>
</com.google.android.material.card.MaterialCardView>

</androidx.constraintlayout.widget.ConstraintLayout>
```

### **activity\_login.xml :**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    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:orientation="vertical"
    tools:context=".RegistrationActivity">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        app:srcCompat="@drawable/guni_pink_logo"/>

    <com.google.android.material.card.MaterialCardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        app:cardElevation="20dp"
        app:cardCornerRadius="25dp"
        android:layout_marginHorizontal="20dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:padding="20dp" >

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:orientation="horizontal">

                <TextView
```

```
android:layout_weight="0.3"
android:layout_width="0dp"
android:textStyle="bold"
android:layout_height="wrap_content"
android:text="Email"/>
```

```
<EditText
    android:layout_width="195dp"
    android:layout_height="wrap_content"
    android:inputType="text"/>
```

```
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:layout_weight="0.3"
    android:layout_width="0dp"
    android:textStyle="bold"
    android:layout_height="wrap_content"
    android:text="Password"/>
```

```
<EditText
    android:layout_width="195dp"
    android:layout_height="wrap_content"
    android:inputType="textPassword" />
```

```
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:layout_weight="0.3"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginBottom="10dp"
    android:textStyle="bold"
    android:text="forgot Password?"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

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

```
<LinearLayout  
    android:layout_width="wrap_content"  
    android:layout_gravity="center"  
    android:elevation="30dp"  
    android:layout_marginTop="-20dp"  
    android:layout_height="wrap_content">
```

```
    <Button  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="Login"/>
```

```
</LinearLayout>
```

```
<LinearLayout  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_gravity="center"  
    android:paddingTop="40dp"  
    android:orientation="horizontal">
```

```
    <TextView  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:text="Already have an account?"  
        android:textStyle="bold"  
        android:textSize="15sp"/>
```

```
    <Button  
        android:id="@+id/Signupbtn"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_marginLeft="20dp"  
        android:textSize="15sp"  
        android:text="Signup"  
        android:textColor="#AA336A"  
        android:backgroundTint="#00FFFFFF"  
    />
```

```
</LinearLayout>
```

```
</LinearLayout>
```

### **activity\_registration.xml :**

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<LinearLayout  
    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:orientation="vertical"
tools:context=".RegistrationActivity">
```

```
<ImageView
    android:layout_width="match_parent"
    android:layout_height="200dp"
    app:srcCompat="@drawable/guni_pink_logo"/>
```

```
<com.google.android.material.card.MaterialCardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:cardElevation="20dp"
    app:cardCornerRadius="25dp"
    android:layout_marginHorizontal="20dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="20dp" >
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:layout_weight="0.3"
    android:layout_width="0dp"
    android:textStyle="bold"
    android:layout_height="wrap_content"
    android:text="User Full Name"/>
```

```
<EditText
    android:layout_width="198dp"
    android:layout_height="wrap_content"
    android:inputType="text"/>
```

s

```
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
```

```
        android:layout_weight="0.3"
        android:layout_width="0dp"
        android:textStyle="bold"
        android:layout_height="wrap_content"
        android:text="Phone Number"/>

<EditText
    android:layout_width="195dp"
    android:layout_height="wrap_content"
    android:inputType="text"
/>

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:layout_weight="0.3"
        android:layout_width="0dp"
        android:textStyle="bold"
        android:layout_height="wrap_content"
        android:text="City"/>

    <EditText
        android:layout_width="195dp"
        android:layout_height="wrap_content"
        android:inputType="text"/>

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:layout_weight="0.3"
        android:layout_width="0dp"
        android:textStyle="bold"
        android:layout_height="wrap_content"
        android:text="Email"/>

    <EditText
        android:layout_width="195dp"
        android:layout_height="wrap_content"
        android:inputType="text"/>
```

```
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:layout_weight="0.3"
        android:layout_width="0dp"
        android:textStyle="bold"
        android:layout_height="wrap_content"
        android:text="Password"/>

    <EditText
        android:layout_width="195dp"
        android:layout_height="wrap_content"
        android:inputType="textPassword"
    />

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:layout_weight="0.3"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:textStyle="bold"
        android:text="Confirm Password"/>

    <EditText
        android:layout_width="195dp"
        android:layout_height="wrap_content"
        android:inputType="textPassword" />

</LinearLayout>

</LinearLayout>

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

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_gravity="center"
    android:elevation="30dp"
    android:layout_marginTop="-20dp"
```



```
        android:layout_height="wrap_content">

        <Button
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Register"/>

    </LinearLayout>

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:paddingTop="40dp"
        android:orientation="horizontal">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Do not have an account?"
            android:textStyle="bold"
            android:textSize="15sp"/>

        <Button
            android:id="@+id/Loginbtn"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:textSize="15sp"
            android:text="LOGIN"
            android:textColor="#AA336A"
            android:backgroundTint="#00FFFFFF"
            />

    </LinearLayout>

</LinearLayout>
```

### **MainActivity.kt :**

```
package com.example.mad_practical_4_21012021003

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

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

## Practical: 4

---

```
val Login: Button = findViewById(R.id.Login)
val Signup: Button = findViewById(R.id.Signup)
```

```
Login.setOnClickListener {
    Intent(this@MainActivity, LoginActivity::class.java).also { startActivity(it) }
}
```

```
Signup.setOnClickListener {
    Intent(this@MainActivity, RegistrationActivity::class.java).also { startActivity(it) }
}
```

```
    }
}
```

### **RegistrationActivity.kt :**

```
package com.example.mad_practical_4_21012021003
```

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

```
class RegistrationActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_registration)
        val Login: Button = findViewById(R.id.Loginbtn)
        Login.setOnClickListener {
            Intent(this@RegistrationActivity, LoginActivity::class.java).also { startActivity(it) }
        }
    }
}
```

### **LoginActivity.kt :**

```
package com.example.mad_practical_4_21012021003
```

```
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import com.example.mad_practical_4_21012021003.R.*
```

```
class LoginActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(layout.activity_login)
        val Signup: Button = findViewById(R.id.Signupbtn)

        Signup.setOnClickListener {
```

## Practical: 4

```

Intent(this@LoginActivity, RegistrationActivity::class.java).also { startActivity(it) }
    }
}

```

