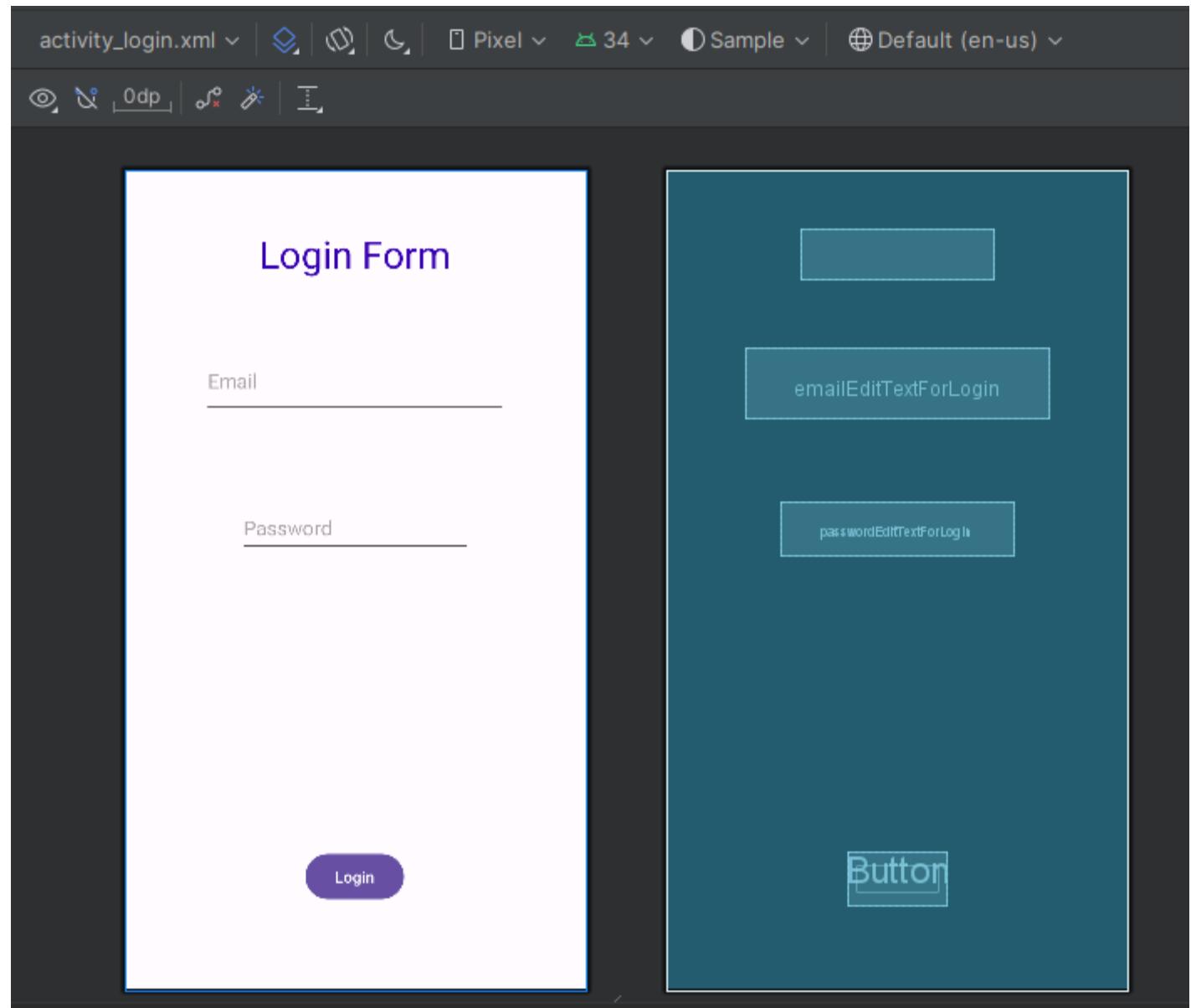


</> activity\_main.xml ×

```
2 © <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context=".MainActivity">
8
9     <Button
10        android:id="@+id/register_button"
11        android:layout_width="wrap_content"
12        android:layout_height="wrap_content"
13        android:text="Register"
14        android:textAllCaps="false"
15        app:layout_constraintBottom_toBottomOf="parent"
16        app:layout_constraintEnd_toEndOf="parent"
17        app:layout_constraintHorizontal_bias="0.501"
18        app:layout_constraintStart_toStartOf="parent"
19        app:layout_constraintTop_toTopOf="parent"
20        app:layout_constraintVertical_bias="0.418" />
21
```

```
22     <Button  
23         android:id="@+id/login_button"  
24         android:layout_width="wrap_content"  
25         android:layout_height="wrap_content"  
26         android:layout_marginTop="68dp"  
27         android:text="Login"  
28         android:textAllCaps="false"  
29         app:layout_constraintEnd_toEndOf="parent"  
30         app:layout_constraintHorizontal_bias="0.501"  
31         app:layout_constraintStart_toStartOf="parent"  
32         app:layout_constraintTop_toBottomOf="@+id/register_button" />  
33     </androidx.constraintlayout.widget.ConstraintLayout>
```



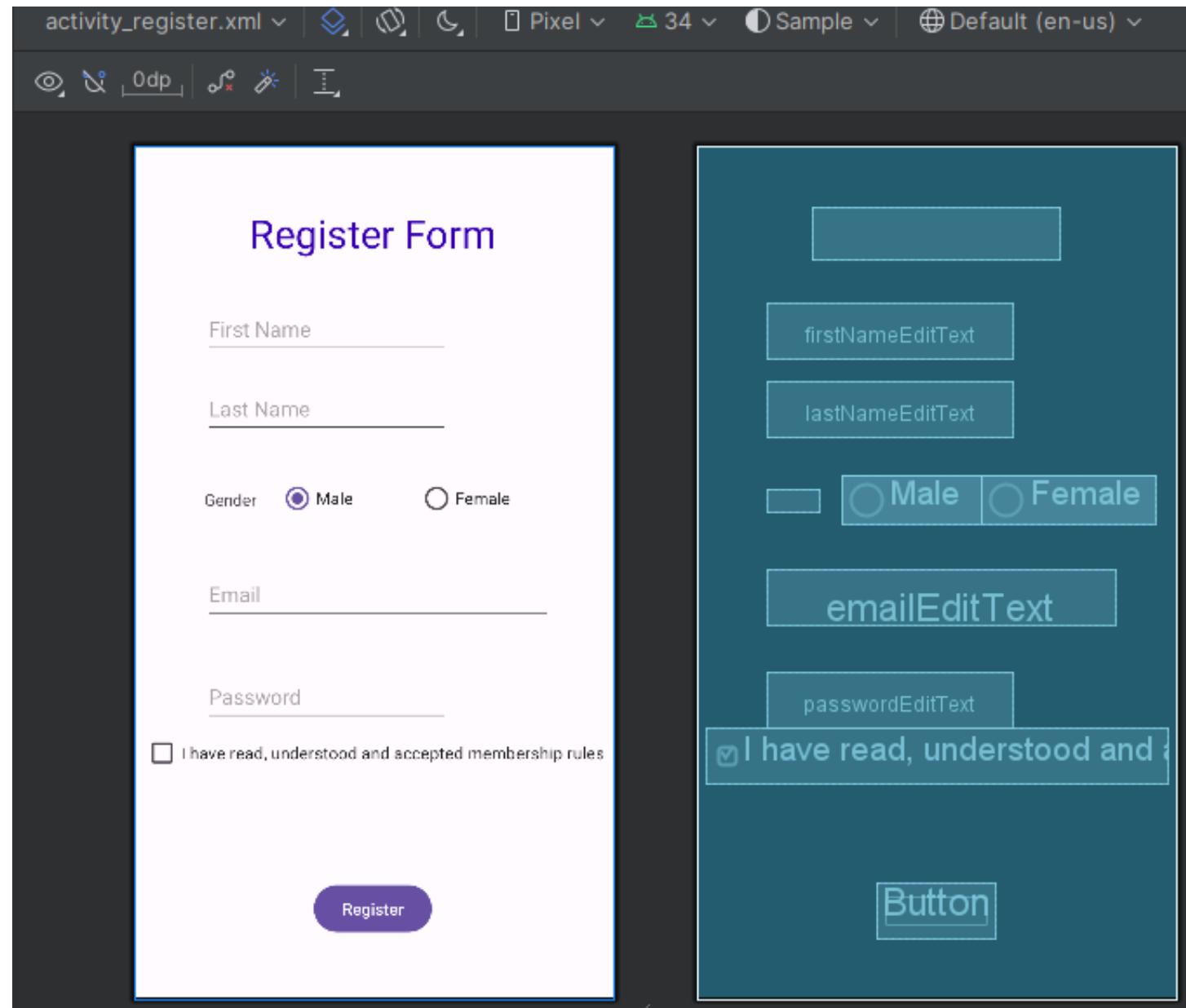
</> activity\_login.xml ×

```
2 © <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
3     xmlns:app="http://schemas.android.com/apk/res-auto"  
4     xmlns:tools="http://schemas.android.com/tools"  
5     android:layout_width="match_parent"  
6     android:layout_height="match_parent"  
7     tools:context=".LoginActivity">  
8  
9     <TextView  
10        android:id="@+id/textView2"  
11        android:layout_width="wrap_content"  
12        android:layout_height="wrap_content"  
13        android:layout_marginTop="52dp"  
14        android:text="Login Form"  
15    ■        android:textColor="@color/purple_700"  
16        android:textSize="34sp"  
17        app:layout_constraintEnd_toEndOf="parent"  
18        app:layout_constraintHorizontal_bias="0.498"  
19        app:layout_constraintStart_toStartOf="parent"  
20        app:layout_constraintTop_toTopOf="parent" />
```

</> activity\_login.xml ×

```
21
22     <EditText
23         android:id="@+id/emailEditTextForLogin"
24         android:layout_width="270dp"
25         android:layout_height="62dp"
26         android:layout_marginTop="60dp"
27         android:ems="10"
28         android:hint="Email"
29         android:inputType="textEmailAddress"
30         app:layout_constraintEnd_toEndOf="parent"
31         app:layout_constraintHorizontal_bias="0.497"
32         app:layout_constraintStart_toStartOf="parent"
33         app:layout_constraintTop_toBottomOf="@+id/textView2"
34         tools:ignore="SpeakableTextPresentCheck" />
35
36     <EditText
37         android:id="@+id/passwordEditTextForLogin"
38         android:layout_width="207dp"
39         android:layout_height="48dp"
40         android:layout_marginTop="76dp"
41         android:ems="10"
42         android:hint="Password"
43         android:inputType="textPassword"
44         app:layout_constraintEnd_toEndOf="parent"
45         app:layout_constraintHorizontal_bias="0.497"
46         app:layout_constraintStart_toStartOf="parent"
47         app:layout_constraintTop_toBottomOf="@+id/emailEditTextForLogin" />
```

```
49     <Button
50         android:id="@+id/loginButton"
51         android:layout_width="wrap_content"
52         android:layout_height="wrap_content"
53         android:layout_marginBottom="76dp"
54         android:text="Login"
55         android:textAllCaps="false"
56         app:layout_constraintBottom_toBottomOf="parent"
57         app:layout_constraintEnd_toEndOf="parent"
58         app:layout_constraintHorizontal_bias="0.498"
59         app:layout_constraintStart_toStartOf="parent" />
60     </androidx.constraintlayout.widget.ConstraintLayout>
```



```
</> activity_register.xml <-->

1   <?xml version="1.0" encoding="utf-8"?>
2   <ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto"
3       xmlns:app="http://schemas.android.com/apk/res-auto"
4       xmlns:tools="http://schemas.android.com/tools"
5       android:layout_width="match_parent"
6       android:layout_height="match_parent"
7       tools:context=".RegisterActivity">
8
9     <TextView
10        android:id="@+id/textView"
11        android:layout_width="wrap_content"
12        android:layout_height="wrap_content"
13        android:layout_marginTop="52dp"
14        android:text="Register Form"
15        android:textColor="@color/purple_700"
16        android:textSize="34sp"
17        app:layout_constraintEnd_toEndOf="parent"
18        app:layout_constraintHorizontal_bias="0.498"
19        app:layout_constraintStart_toStartOf="parent"
20        app:layout_constraintTop_toTopOf="parent" />
```

</> activity\_register.xml ×

```
21
22     <EditText
23         android:id="@+id/firstNameEditText"
24         android:layout_width="wrap_content"
25         android:layout_height="wrap_content"
26         android:layout_marginStart="60dp"
27         android:layout_marginTop="36dp"
28         android:ems="10"
29         android:hint="First Name"
30         android:inputType="textPersonName"
31         android:minHeight="48dp"
32         app:layout_constraintStart_toStartOf="parent"
33         app:layout_constraintTop_toBottomOf="@+id/textView" />
34
35     <EditText
36         android:id="@+id/lastNameEditText"
37         android:layout_width="wrap_content"
38         android:layout_height="wrap_content"
39         android:layout_marginStart="60dp"
40         android:layout_marginTop="20dp"
41         android:ems="10"
42         android:hint="Last Name"
43         android:inputType="textPersonName"
44         android:minHeight="48dp"
45         app:layout_constraintStart_toStartOf="parent"
46         app:layout_constraintTop_toBottomOf="@+id/firstNameEditText" />
```

</> activity\_register.xml ×

```
48     <TextView  
49         android:id="@+id/textView3"  
50         android:layout_width="wrap_content"  
51         android:layout_height="wrap_content"  
52         android:layout_marginStart="60dp"  
53         android:layout_marginTop="44dp"  
54         android:text="Gender"  
55         app:layout_constraintStart_toStartOf="parent"  
56         app:layout_constraintTop_toBottomOf="@+id/lastNameEditText" />  
57  
58     <RadioGroup  
59         android:id="@+id/genderRadioGroup"  
60         android:layout_width="269dp"  
61         android:layout_height="42dp"  
62         android:layout_marginTop="32dp"  
63         android:orientation="horizontal"  
64         app:layout_constraintEnd_toEndOf="parent"  
65         app:layout_constraintStart_toEndOf="@+id/textView3"  
66         app:layout_constraintTop_toBottomOf="@+id/lastNameEditText">
```

```
</> activity_register.xml ×
```

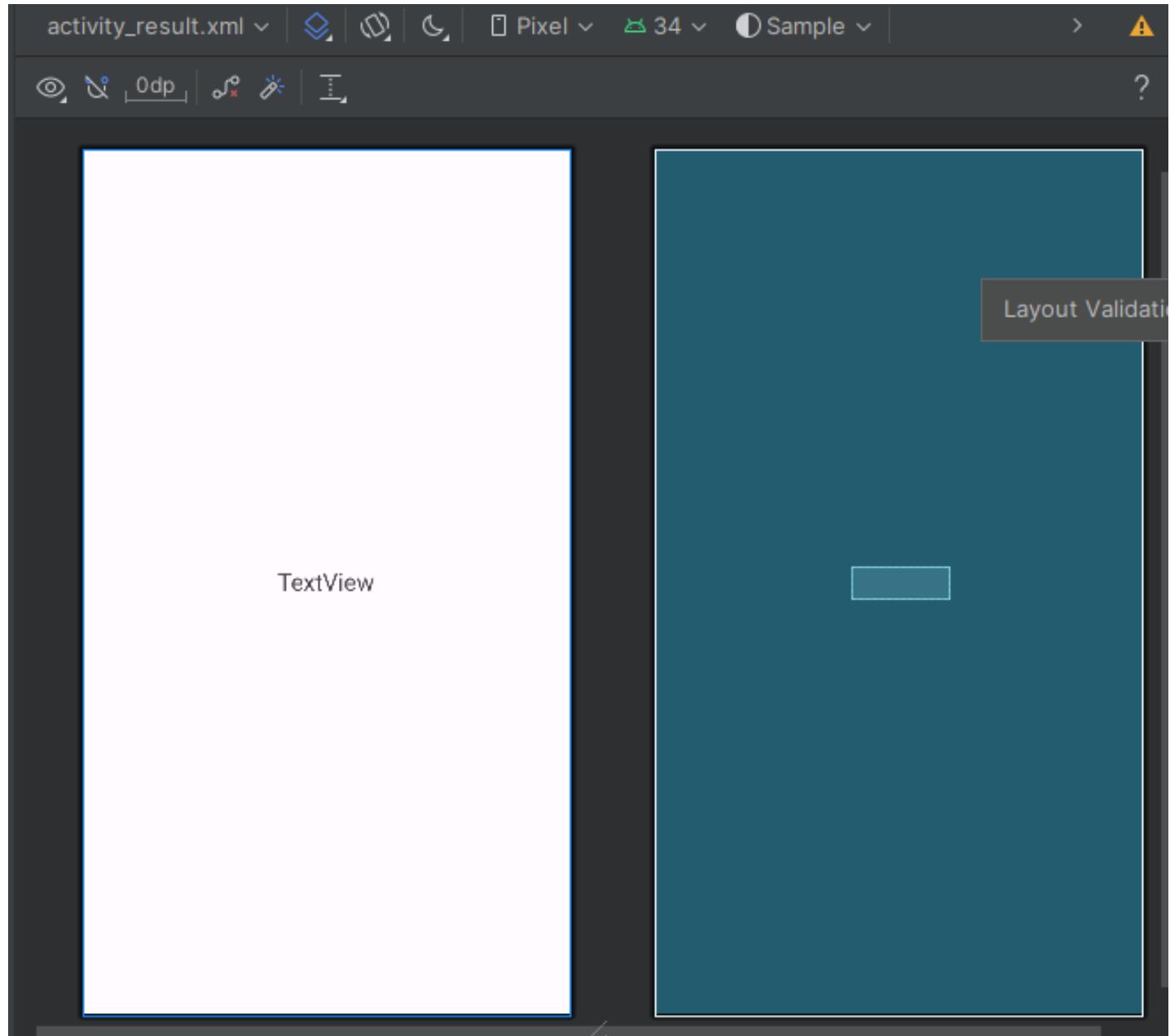
```
68      <RadioButton  
69          android:id="@+id/maleRadioButton"  
70          android:layout_width="50dp"  
71          android:layout_height="wrap_content"  
72          android:layout_weight="1"  
73          android:checked="true"  
74          android:text="Male"  
75          tools:ignore="TouchTargetSizeCheck" />  
76  
77      <RadioButton  
78          android:id="@+id/femaleRadioButton"  
79          android:layout_width="wrap_content"  
80          android:layout_height="wrap_content"  
81          android:layout_weight="1"  
82          android:text="Female"  
83          tools:ignore="TouchTargetSizeCheck" />  
84      </RadioGroup>
```

</> activity\_register.xml ×

```
85
86     <EditText
87         android:id="@+id/emailEditText"
88         android:layout_width="298dp"
89         android:layout_height="48dp"
90         android:layout_marginStart="60dp"
91         android:layout_marginTop="48dp"
92         android:ems="10"
93         android:hint="Email"
94         android:inputType="textEmailAddress"
95         app:layout_constraintStart_toStartOf="parent"
96         app:layout_constraintTop_toBottomOf="@+id/textView3"
97         tools:ignore="SpeakableTextPresentCheck" />
98
99     <EditText
100        android:id="@+id/passwordEditText"
101        android:layout_width="wrap_content"
102        android:layout_height="wrap_content"
103        android:layout_marginStart="60dp"
104        android:layout_marginTop="40dp"
105        android:ems="10"
106        android:hint="Password"
107        android:inputType="textPassword"
108        android:minHeight="48dp"
109        app:layout_constraintStart_toStartOf="parent"
110        app:layout_constraintTop_toBottomOf="@+id/emailEditText"
111        tools:ignore="SpeakableTextPresentCheck" />
```

```
</> activity_register.xml <-->

112
113     <CheckBox
114         android:id="@+id/conditionsCheckBox"
115         android:layout_width="wrap_content"
116         android:layout_height="wrap_content"
117         android:text="I have read, understood and accepted membership rules"
118         app:layout_constraintEnd_toEndOf="parent"
119         app:layout_constraintStart_toStartOf="parent"
120         app:layout_constraintTop_toBottomOf="@+id/passwordEditText" />
121
122     <Button
123         android:id="@+id/registerButton"
124         android:layout_width="wrap_content"
125         android:layout_height="wrap_content"
126         android:layout_marginBottom="52dp"
127         android:text="Register"
128         android:textAllCaps="false"
129         app:layout_constraintBottom_toBottomOf="parent"
130         app:layout_constraintEnd_toEndOf="parent"
131         app:layout_constraintHorizontal_bias="0.498"
132         app:layout_constraintStart_toStartOf="parent" />
133
134     </androidx.constraintlayout.widget.ConstraintLayout>
```



</> activity\_result.xml ×

```
1  <?xml version="1.0" encoding="utf-8"?>
2  © <androidx.constraintlayout.widget.ConstraintLayout xmlns:android=
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=".ResultActivity">
8
9      <TextView
10         android:id="@+id/result"
11         android:layout_width="wrap_content"
12         android:layout_height="wrap_content"
13         android:text="TextView"
14         android:textSize="20sp"
15         app:layout_constraintBottom_toBottomOf="parent"
16         app:layout_constraintEnd_toEndOf="parent"
17         app:layout_constraintStart_toStartOf="parent"
18         app:layout_constraintTop_toTopOf="parent" />
19     </androidx.constraintlayout.widget.ConstraintLayout>
```

## © MainActivity.java ×

```
10  ▶  public class MainActivity extends AppCompatActivity {  
11  
12      |  
13  ⚡  @Override  
14  ⚡  protected void onCreate(Bundle savedInstanceState) {  
15      super.onCreate(savedInstanceState);  
16      setContentView(R.layout.activity_main);  
17  
18      Button register_button=findViewById(R.id.register_button);  
19      Button login_button=findViewById(R.id.login_button);  
20  
21      register_button.setOnClickListener(new View.OnClickListener() {  
22  ⚡  @Override  
23  ⚡  public void onClick(View view) {  
24          Intent intent=new Intent(getApplicationContext(),RegisterActivity.class);  
25          startActivity(intent);  
26      }  
27      });  
28  
29      login_button.setOnClickListener(new View.OnClickListener() {  
30  ⚡  @Override  
31  ⚡  public void onClick(View view) {  
32          Intent intent=new Intent(getApplicationContext(),LoginActivity.class);  
33          startActivity(intent);  
34      }  
35      });  
36  } //onCreate
```

© LoginActivity.java ×

```
13 ></> public class LoginActivity extends AppCompatActivity {  
14  
    2 usages  
15    Button loginButton;  
    6 usages  
16    EditText emailEditText, passwordEditText;  
    3 usages  
17    Boolean emailError, emailError2, passwordError;  
    2 usages  
18    String email, password;  
19  
20    @Override  
21    protected void onCreate(Bundle savedInstanceState) {  
22        super.onCreate(savedInstanceState);  
23        setContentView(R.layout.activity_login);  
24  
25        emailEditText=findViewById(R.id.emailEditTextForLogin);  
26        passwordEditText=findViewById(R.id.passwordEditTextForLogin);  
27        loginButton=findViewById(R.id.loginButton);  
28
```

## >LoginActivity.java

```
20     @Override
21     protected void onCreate(Bundle savedInstanceState) {
22         super.onCreate(savedInstanceState);
23         setContentView(R.layout.activity_login);
24
25         emailEditText=findViewById(R.id.emailEditTextForLogin);
26         passwordEditText=findViewById(R.id.passwordEditTextForLogin);
27         loginButton=findViewById(R.id.loginButton);
28
29         loginButton.setOnClickListener(new View.OnClickListener() {
30             @Override
31             public void onClick(View view) {
32                 if(!Patterns.EMAIL_ADDRESS.matcher(emailEditText.getText()).matches()){
33                     emailEditText.setError("Enter valid Email.");
34                     emailError2=true;
35                 }
36                 else
37                     emailError2=false;
38
39                 if(TextUtils.isEmpty(emailEditText.getText())){
40                     emailEditText.setError("Email is required.");
41                     emailError=true;
42                 }
43                 else
44                     emailError=false;
```

>LoginActivity.java

```
46         if(TextUtils.isEmpty(passwordEditText.getText())){
47             passwordEditText.setError("Password is required.");
48             passwordError=true;
49         }
50         else{
51             passwordError=false;
52
53         if(!emailError && !emailError2 && !passwordError){
54             email=emailEditText.getText().toString();
55             password=passwordEditText.getText().toString();
56
57             if(email.equals("test@sadjad.ac.ir") && password.equals("123")){
58                 Toast.makeText(getApplicationContext(), text: "Welcome", Toast.LENGTH_LONG).show();
59             }//if
60             else{
61                 Toast.makeText(getApplicationContext(), text: "Invalid Email/Password", Toast.LENGTH_LONG).show();
62             }//else
63         }//if
64
65     } //onClick method
66 }
67 } //onCreate
68 }
```

## © RegisterActivity.java ×

```
16  ▷  public class RegisterActivity extends AppCompatActivity {
17      4 usages
18      EditText firstNameEditText, lastNameEditText, emailEditText, passwordEditText;
19      2 usages
20      RadioGroup genderRadioGroup;
21      2 usages
22      RadioButton genderRadioButton;
23      4 usages
24      CheckBox conditionsCheckBox;
25      2 usages
26      Button registerButton;
27      2 usages
28      String firstName, lastName, email, password, gender;
29      2 usages
30      int genderId;
31      2 usages
32      Boolean conditions;
33      3 usages
34      Boolean firstNameError=false;
35      3 usages
36      Boolean lastNameError=false;
37      3 usages
38      Boolean emailError=false;
39      3 usages
40      Boolean passwordError=false;
41      3 usages
42      Boolean emailError2=false;
```

© RegisterActivity.java ×

```
32 @† protected void onCreate(Bundle savedInstanceState) {  
33     super.onCreate(savedInstanceState);  
34     setContentView(R.layout.activity_register);  
35  
36     firstNameEditText=findViewById(R.id.firstNameEditText);  
37     lastNameEditText=findViewById(R.id.lastNameEditText);  
38     emailEditText=findViewById(R.id.emailEditText);  
39     passwordEditText=findViewById(R.id.passwordEditText);  
40     genderRadioGroup=findViewById(R.id.genderRadioGroup);  
41     conditionsCheckBox=findViewById(R.id.conditionsCheckBox);  
42     registerButton=findViewById(R.id.registerButton);  
43  
44     registerButton.setOnClickListener(new View.OnClickListener() {  
45         @Override  
46         public void onClick(View view) {  
47             if(TextUtils.isEmpty(firstNameEditText.getText())){  
48                 firstNameEditText.setError("First name is required.");  
49                 firstNameError=true;  
50             }  
51             else  
52                 firstNameError=false;  
53  
54             if(TextUtils.isEmpty(lastNameEditText.getText())){  
55                 lastNameEditText.setError("Last name is required.");  
56                 lastNameError=true;  
57             }  
58         }  
59     }  
60     );  
61 }  
62  
63     private void validateInputs(){  
64         String first_name=firstNameEditText.getText().toString();  
65         String last_name=lastNameEditText.getText().toString();  
66         String email=emailEditText.getText().toString();  
67         String password=passwordEditText.getText().toString();  
68         String gender=genderRadioGroup.getCheckedRadioButtonId();  
69         String conditions=conditionsCheckBox.isChecked();  
70  
71         if(first_name.isEmpty()||last_name.isEmpty()||email.isEmpty()||password.isEmpty()||  
72             gender==R.id.radioButton1||!conditions){  
73             //Display error message  
74             Toast.makeText(getApplicationContext(),"Please fill all fields",  
75                         Toast.LENGTH_SHORT).show();  
76         }  
77         else{  
78             Intent intent=new Intent(RegisterActivity.this,MainActivity.class);  
79             startActivity(intent);  
80         }  
81     }  
82  
83     private void showSuccessMessage(){  
84         Toast.makeText(getApplicationContext(),"Registration successful",  
85                         Toast.LENGTH_SHORT).show();  
86     }  
87  
88     private void showError(String message){  
89         Toast.makeText(getApplicationContext(),message,  
90                         Toast.LENGTH_SHORT).show();  
91     }  
92 }
```

## © RegisterActivity.java ×

! 2

```
58     else
59         lastNameError=false;
60
61     if(!Patterns.EMAIL_ADDRESS.matcher(emailEditText.getText()).matches()){
62         emailEditText.setError("Enter valid Email.");
63         emailError2=true;
64     }
65     else
66         emailError2=false;
67
68     if(TextUtils.isEmpty(emailEditText.getText())){
69         emailEditText.setError("Email is required.");
70         emailError=true;
71     }
72     else
73         emailError=false;
74
75     if(TextUtils.isEmpty(passwordEditText.getText())){
76         passwordEditText.setError("Password is required.");
77         passwordError=true;
78     }
79     passwordError=false;
80
81     if(!conditionsCheckBox.isChecked()){
82         Toast.makeText(getApplicationContext(), text: "You must select the checkbox!", Toast.LENGTH_LONG).show();
83     }
```

## © RegisterActivity.java ×

⚠ 2

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```
84  
85     if(!firstNameError && !lastNameError && !emailError && !passwordError && !emailError2  
86         && conditionsCheckBox.isChecked()) {  
87             firstName = firstNameEditText.getText().toString();  
88             lastName = lastNameEditText.getText().toString();  
89             email = emailEditText.getText().toString();  
90             password = passwordEditText.getText().toString();  
91  
92             genderId = genderRadioGroup.getCheckedRadioButtonId();  
93             genderRadioButton = findViewById(genderId);  
94             gender = genderRadioButton.getText().toString();  
95             conditions = conditionsCheckBox.isChecked();  
96  
97             Intent intent = new Intent( packageContext: RegisterActivity.this, ResultActivity.class);  
98             intent.putExtra( name: "firstName", firstName);  
99             intent.putExtra( name: "lastName", lastName);  
100            intent.putExtra( name: "email", email);  
101            intent.putExtra( name: "password", password);  
102            intent.putExtra( name: "gender", gender);  
103            intent.putExtra( name: "conditions", conditions);  
104            startActivity(intent);  
105        } //if  
106    }  
107 );  
108 } //onCreate  
109 }
```

### ResultActivity.java ×

```
9 ▷ </> public class ResultActivity extends AppCompatActivity {
10
11     2 usages
12     TextView result;
13
14     @SuppressLint("SetTextI18n")
15     @Override
16     protected void onCreate(Bundle savedInstanceState) {
17         super.onCreate(savedInstanceState);
18         setContentView(R.layout.activity_result);
19
20         result=findViewById(R.id.result);
21         Bundle extras=getIntent().getExtras();
22
23         if(extras != null){
24             result.setText(extras.getString("key: \"firstName\")+\n"+
25                         extras.getString("key: \"lastName\")+\n"+
26                         extras.getString("key: \"email\")+\n"+
27                         extras.getString("key: \"password\")+\n"+
28                         extras.getString("key: \"gender\")+\n"+
29                         extras.getBoolean("key: \"conditions\""));
30         } //if
31     } //onCreate
32 }
```