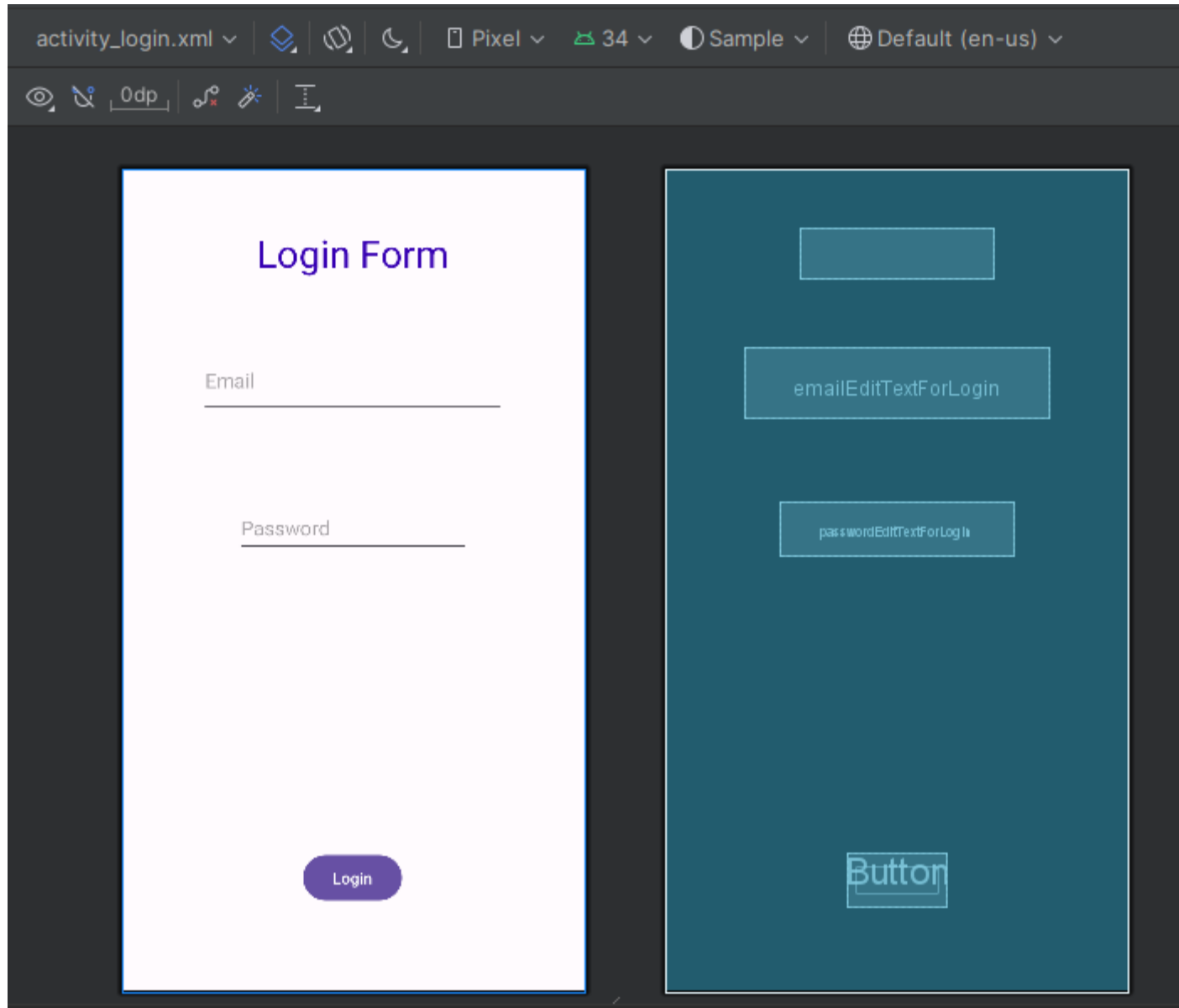


</> activity_main.xml ×

```
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" />
```

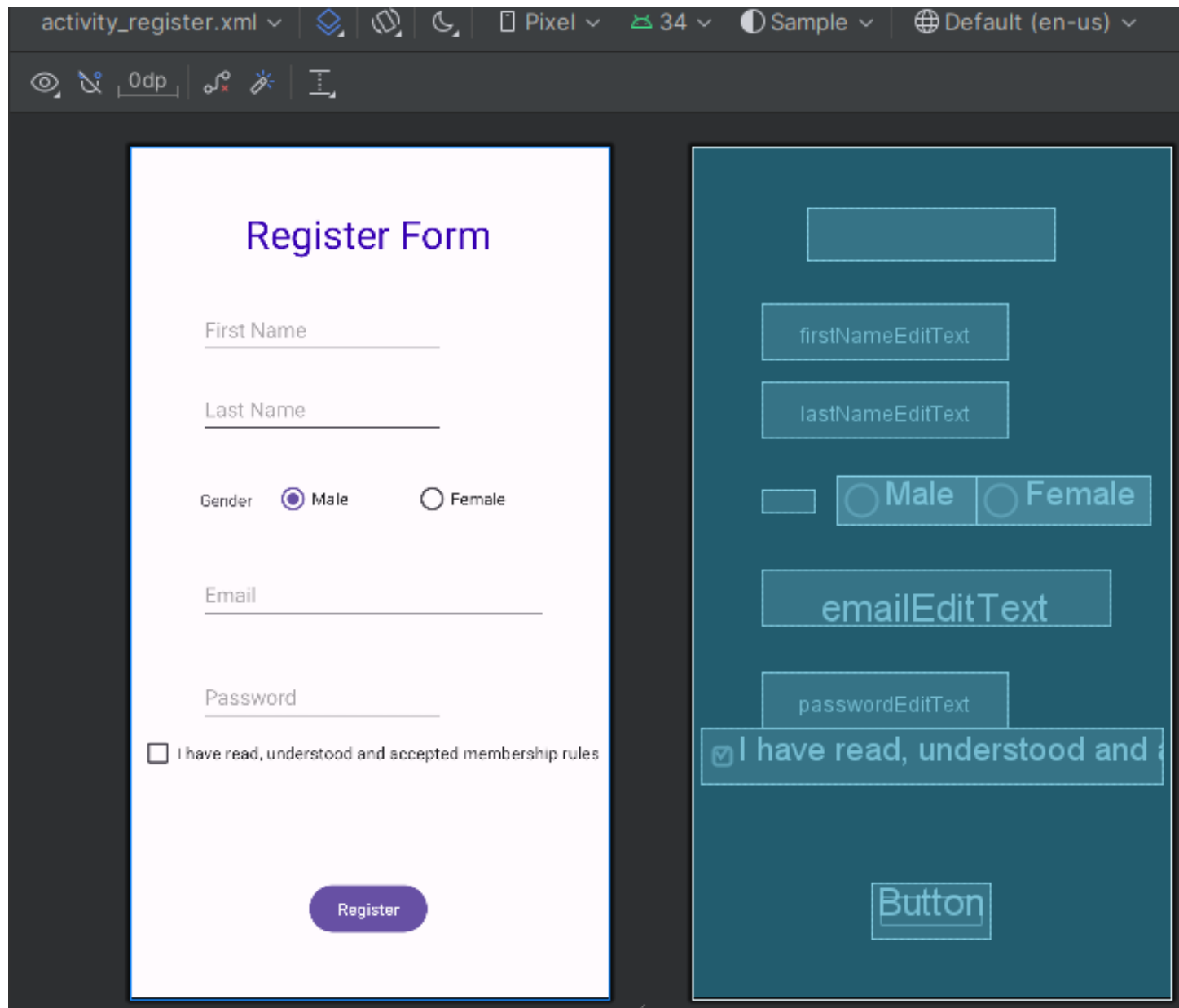
```
22     <Button
23         android:id="@+id/login_button"
24         android:layout_width="wrap_content"
25         android:layout_height="wrap_content"
26         android:layout_marginTop="68dp"
27         android:text="Login"
28         android:textAllCaps="false"
29         app:layout_constraintEnd_toEndOf="parent"
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>
```



```
2 ③ <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" />
```

```
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      <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="h
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">
```

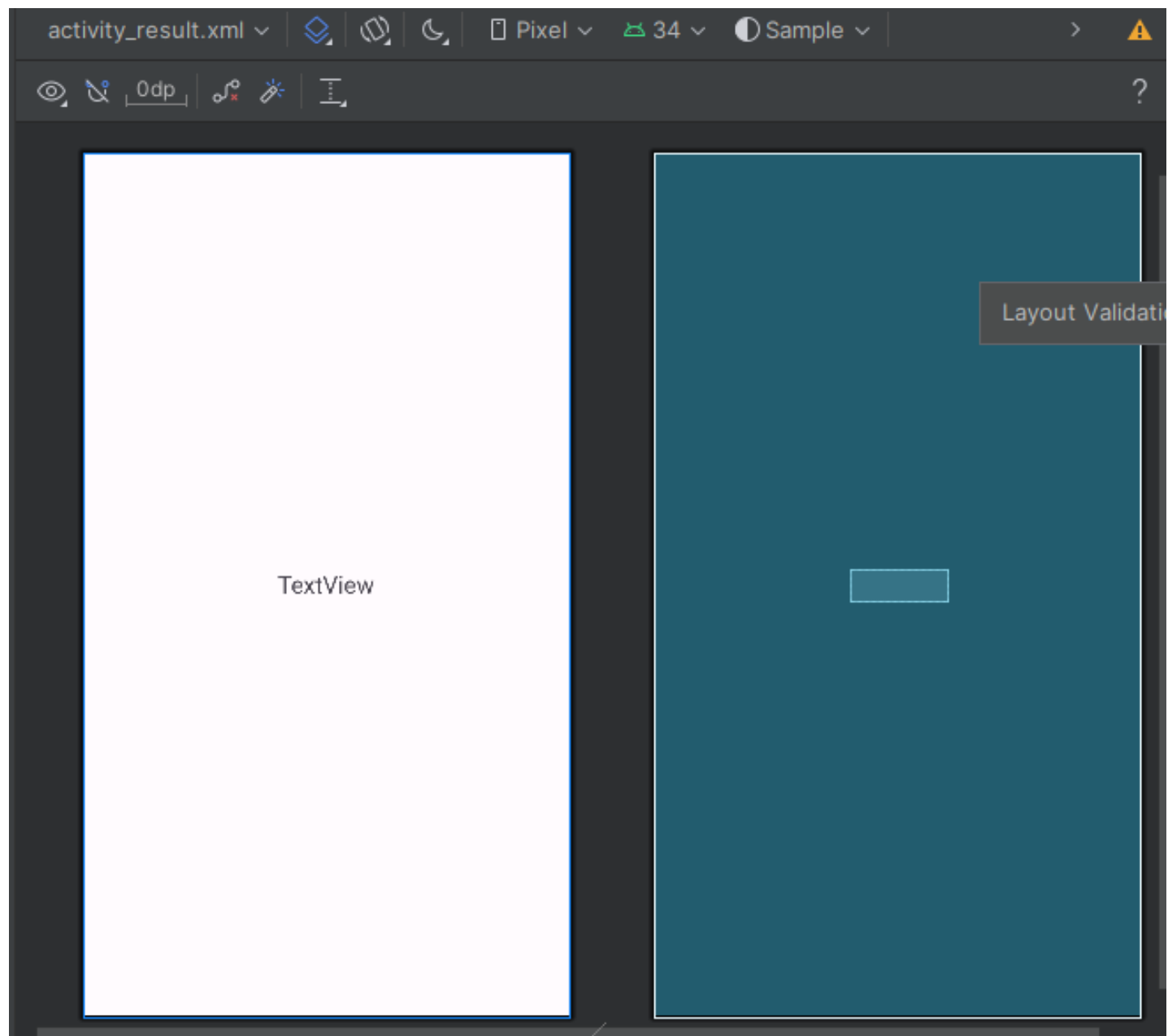
</> activity_register.xml x

```
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>
```

```
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="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=".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>
```

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

© 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    }
```

```
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;
```

```
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 }
```

```

16  ▶ public class RegisterActivity extends AppCompatActivity {
    4 usages
17      EditText firstNameEditText, lastNameEditText, emailEditText, passwordEditText;
    2 usages
18      RadioGroup genderRadioGroup;
    2 usages
19      RadioButton genderRadioButton;
    4 usages
20      CheckBox conditionsCheckBox;
    2 usages
21      Button registerButton;
    2 usages
22      String firstName, lastName, email, password, gender;
    2 usages
23      int genderId;
    2 usages
24      Boolean conditions;
    3 usages
25      Boolean firstNameError=false;
    3 usages
26      Boolean lastNameError=false;
    3 usages
27      Boolean emailError=false;
    3 usages
28      Boolean passwordError=false;
    3 usages
29      Boolean emailError2=false;

```

```
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     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     }

```

```

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    }

```

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