中国矿业大学计算机学院

_2020_ 级本科生课程作业

移动应用开发第一次作业

课程名称_____移动应用开发_____

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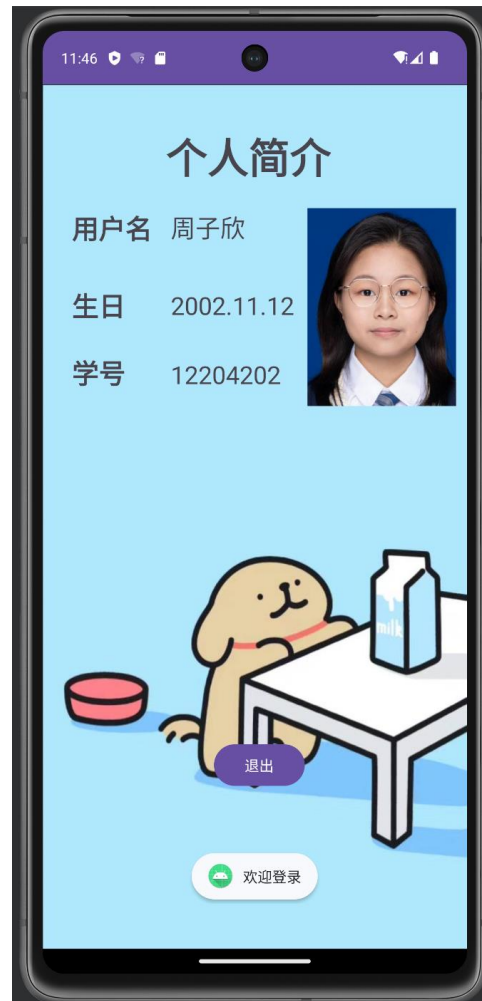学　　号_____12204202_____

班　　级___信息安全20-3 班___

任课教师_____杨勇_____

一．界面展示

登录界面

主界面

二．相关代码

1 登录界面

1.1 activity_main.xml

```xml
1.  <?xml version="1.0" encoding="utf-8"?>
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.      android:background="@drawable/bg"
```

```xml
8.        tools:context=".MainActivity">
9.
10.      <TextView
11.          android:id="@+id/textView"
12.          android:layout_width="167dp"
13.          android:layout_height="49dp"
14.          android:layout_marginStart="136dp"
15.          android:layout_marginTop="128dp"
16.          android:text="Welcome ! "
17.          android:textSize="26dp"
18.          android:textStyle="bold"
19.          app:layout_constraintStart_toStartOf="parent"
20.          app:layout_constraintTop_toTopOf="parent" />
21.
22.      <TextView
23.          android:id="@+id/textView2"
24.          android:layout_width="52dp"
25.          android:layout_height="24dp"
26.          android:layout_marginStart="56dp"
27.          android:layout_marginTop="224dp"
28.          android:text="用户名"
29.          app:layout_constraintStart_toStartOf="parent"
30.          app:layout_constraintTop_toTopOf="parent" />
31.
32.      <TextView
33.          android:id="@+id/textView3"
34.          android:layout_width="wrap_content"
35.          android:layout_height="wrap_content"
36.          android:layout_marginStart="64dp"
37.          android:layout_marginTop="304dp"
38.          android:text="密码"
39.          app:layout_constraintStart_toStartOf="parent"
40.          app:layout_constraintTop_toTopOf="parent" />
41.
42.      <EditText
43.          android:id="@+id/username"
44.          android:layout_width="wrap_content"
45.          android:layout_height="wrap_content"
46.          android:layout_marginStart="108dp"
47.          android:layout_marginTop="212dp"
48.          android:ems="10"
49.          android:inputType="text"
50.          app:layout_constraintStart_toStartOf="parent"
51.          app:layout_constraintTop_toTopOf="parent" />
```

```xml
52.
53.     <EditText
54.         android:id="@+id/password"
55.         android:layout_width="wrap_content"
56.         android:layout_height="wrap_content"
57.         android:layout_marginStart="108dp"
58.         android:layout_marginTop="292dp"
59.         android:ems="10"
60.         android:inputType="text"
61.         app:layout_constraintStart_toStartOf="parent"
62.         app:layout_constraintTop_toTopOf="parent" />
63.
64.     <Button
65.         android:id="@+id/button"
66.         android:layout_width="wrap_content"
67.         android:layout_height="wrap_content"
68.         android:layout_marginStart="160dp"
69.         android:layout_marginTop="356dp"
70.         android:text="登录"
71.         app:layout_constraintStart_toStartOf="parent"
72.         app:layout_constraintTop_toTopOf="parent" />
73.
74. </androidx.constraintlayout.widget.ConstraintLayout>
```

1.2 MainActivity.java

```java
1.  package com.example.logindemo;
2.
3.  import androidx.appcompat.app.AppCompatActivity;
4.
5.  import android.content.Intent;
6.  import android.os.Bundle;
7.  import android.view.View;
8.  import android.widget.Button;
9.  import android.widget.Toast;
10. import android.widget.EditText;
11. import android.text.InputType;
12. public class MainActivity extends AppCompatActivity {
13.
14.
15.     Button button;
16.     @Override
17.     protected void onCreate(Bundle savedInstanceState) {
18.         super.onCreate(savedInstanceState);
19.         setContentView(R.layout.activity_main);
```

```
20.        EditText usernameEditText = findViewById(R.id.username);
21.        EditText passwordEditText = findViewById(R.id.password);
22.        passwordEditText.setInputType(InputType.TYPE_CLASS_TEXT | Inp
    utType.TYPE_TEXT_VARIATION_PASSWORD);
23.
24.        button=findViewById(R.id.button);
25.            button.setOnClickListener(new View.OnClickListener() {
26.
27.                public void onClick(View v){
28.                    String Username = usernameEditText.getText().toSt
    ring();
29.                    String Passwd = passwordEditText.getText().toStri
    ng();
30.                    if(Username.equals("zhouzixin")&&Passwd.equals("1
    2204202")){
31.                        Toast.makeText(MainActivity.this, "欢迎登录
    ", Toast.LENGTH_SHORT).show();
32.                        Intent i = new Intent(MainActivity.this, Main
    Activity2.class);
33.                        startActivity(i);
34.                    } else {
35.                        Toast.makeText(MainActivity.this, "登录失败
    ", Toast.LENGTH_SHORT).show();
36.                    }
37.
38.                }
39.            }
40.
41.            );
42.    }
43. }
```

2 主界面

2.1 activity_main2.xml

```xml
1.  <?xml version="1.0" encoding="utf-8"?>
2.  <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="htt
    p://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.        android:background="@drawable/bg2"
8.        tools:context=".MainActivity2">
9.
10.    <TextView
11.          android:id="@+id/textView4"
12.          android:layout_width="90dp"
13.          android:layout_height="47dp"
14.          android:layout_marginStart="28dp"
15.          android:layout_marginTop="120dp"
16.          android:text="用户名"
17.          android:textSize="26dp"
18.          android:textStyle="bold"
19.          app:layout_constraintStart_toStartOf="parent"
20.          app:layout_constraintTop_toTopOf="parent" />
21.
22.    <TextView
23.          android:id="@+id/textView5"
24.          android:layout_width="83dp"
25.          android:layout_height="41dp"
26.          android:layout_marginStart="28dp"
27.          android:layout_marginTop="195dp"
28.          android:text="生日"
29.          android:textSize="26dp"
30.          android:textStyle="bold"
31.          app:layout_constraintStart_toStartOf="parent"
32.          app:layout_constraintTop_toTopOf="parent" />
33.
34.    <TextView
35.          android:id="@+id/textView6"
36.          android:layout_width="78dp"
37.          android:layout_height="45dp"
38.          android:layout_marginStart="28dp"
39.          android:layout_marginTop="260dp"
40.          android:text="学号"
41.          android:textSize="26dp"
42.          android:textStyle="bold"
43.          app:layout_constraintStart_toStartOf="parent"
44.          app:layout_constraintTop_toTopOf="parent" />
45.
46.    <TextView
47.          android:id="@+id/textView7"
48.          android:layout_width="111dp"
49.          android:layout_height="46dp"
```

```
50.          android:layout_marginStart="124dp"
51.          android:layout_marginTop="120dp"
52.          android:text="周子欣"
53.          android:textSize="24dp"
54.          app:layout_constraintStart_toStartOf="parent"
55.          app:layout_constraintTop_toTopOf="parent" />
56.
57.     <TextView
58.          android:id="@+id/textView8"
59.          android:layout_width="wrap_content"
60.          android:layout_height="wrap_content"
61.          android:layout_marginStart="124dp"
62.          android:layout_marginTop="198dp"
63.          android:text="2002.11.12"
64.          android:textSize="24dp"
65.          app:layout_constraintStart_toStartOf="parent"
66.          app:layout_constraintTop_toTopOf="parent" />
67.
68.     <TextView
69.          android:id="@+id/textView9"
70.          android:layout_width="wrap_content"
71.          android:layout_height="wrap_content"
72.          android:layout_marginStart="124dp"
73.          android:layout_marginTop="265dp"
74.          android:text="12204202"
75.          android:textSize="24dp"
76.          app:layout_constraintStart_toStartOf="parent"
77.          app:layout_constraintTop_toTopOf="parent" />
78.
79.     <ImageView
80.          android:id="@+id/imageView"
81.          android:layout_width="150dp"
82.          android:layout_height="192dp"
83.          android:layout_marginStart="10dp"
84.          android:layout_marginTop="120dp"
85.          app:layout_constraintStart_toEndOf="@+id/textView8"
86.          app:layout_constraintTop_toTopOf="parent"
87.          app:srcCompat="@drawable/picture" />
88.
89.     <TextView
90.          android:id="@+id/textView10"
91.          android:layout_width="wrap_content"
92.          android:layout_height="wrap_content"
93.          android:layout_marginStart="120dp"
```

```
94.          android:layout_marginTop="40dp"
95.          android:layout_marginEnd="133dp"
96.          android:text="个人简介"
97.          android:textSize="40dp"
98.          android:textStyle="bold"
99.          app:layout_constraintEnd_toEndOf="parent"
100.             app:layout_constraintStart_toStartOf="parent"
101.             app:layout_constraintTop_toTopOf="parent" />
102.
103.     <Button
104.         android:id="@+id/button2"
105.         android:layout_width="wrap_content"
106.         android:layout_height="wrap_content"
107.         android:layout_marginStart="166dp"
108.         android:layout_marginTop="636dp"
109.         android:layout_marginEnd="157dp"
110.         android:text="退出"
111.         app:layout_constraintEnd_toEndOf="parent"
112.         app:layout_constraintHorizontal_bias="0.0"
113.         app:layout_constraintStart_toStartOf="parent"
114.         app:layout_constraintTop_toTopOf="parent" />
```

1.2 MainActivity2.java

```
1.  package com.example.logindemo;
2.
3.  import androidx.appcompat.app.AppCompatActivity;
4.
5.  import android.os.Bundle;
6.  import android.view.View;
7.  import android.widget.Button;
8.  public class MainActivity2 extends AppCompatActivity {
9.
10.     Button button;
11.     @Override
12.     protected void onCreate(Bundle savedInstanceState) {
13.         super.onCreate(savedInstanceState);
14.         setContentView(R.layout.activity_main2);
15.
16.         button=findViewById(R.id.button2);
17.         button.setOnClickListener(new View.OnClickListener() {
18.             @Override
19.             public void onClick(View v) {
```

```
20.                 MainActivity2.this.finish();
21.             }
22.         });
23.
24.     }
25.
26. }
```