

Slide 11.5: Strings

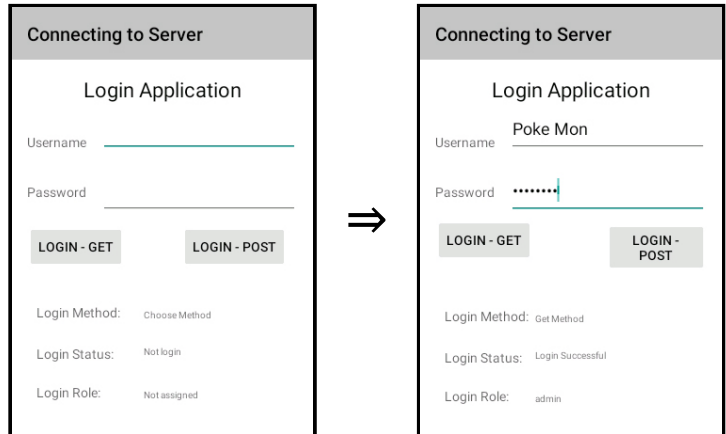
Slide 11.7: Java source code: SigninActivity.java

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# Java Source Code: MainActivity.java

This application connects to the server by using [URLConnection](#). If [HttpClient](#) is used, the gradle file has to be modified according to [Slide 11.3](#). This application includes two activities/classes:



- [MainActivity.java](#), which includes three methods:
  - [onCreate](#) called by the Android system when the activity starts,
  - [loginGet](#) called when the button LOGIN-GET is pushed, and
  - [loginPost](#) called when the button LOGIN-POST is pushed.
- [SigninActivity.java](#), which is used to access the server.

Server/app/src/main/java/com/wenchen/server/MainActivity.java

```

01 package com.wenchen.server;
02
03 import android.app.Activity;
04 import android.os.Bundle;
05 import android.view.View;
06 import android.widget.EditText;
07 import android.widget.TextView;
08
09 public class MainActivity extends Activity {
10     private EditText usernameField, passwordField;
11     private TextView status, role, method;
12
13     @Override
14     protected void onCreate( Bundle savedInstanceState ) {
15         super.onCreate( savedInstanceState );
16         setContentView( R.layout.activity_main );
17         usernameField = (EditText) findViewById( R.id.editText1 );
18         passwordField = (EditText) findViewById( R.id.editText2 );
19         status = (TextView) findViewById( R.id.textView6 );

```

```
20     role    = (TextView) findViewById( R.id.textView7 );
21     method = (TextView) findViewById( R.id.textView9 );
22 }
23
24 // Called when the button LOGIN-GET is pushed
25 public void loginGet( View view ) {
26     String username = usernameField.getText( ).toString( );
27     String password = passwordField.getText( ).toString( );
28     method.setText( "Get Method" );
29     new SigninActivity( this, status, role, 0 ).execute( username, password );
30 }
31
32 // Called when the button LOGIN-POST is pushed
33 public void loginPost( View view ) {
34     String username = usernameField.getText( ).toString( );
35     String password = passwordField.getText( ).toString( );
36     method.setText( "Post Method" );
37     new SigninActivity( this, status, role, 1 ).execute( username, password );
38 }
39 }
```

Slide 11.5: Menus

Slide 11.7: Java source code: MainActivity.java

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