

Unit test:

Test environment:

Windows7

JDK.1.7.0_45

Eclipse with JDT



```
SocketServer (1) [Java Application] D:\Program Files\Java\jdk1.7.0_45\bin\javaw.exe (Dec 13, 2013 11:58:17 PM)
action: login
receiver a socket
client send: {"action":"login","pwd":"admin","name":"admin"}
action: login
receiver a socket
client send: {"action":"login","pwd":"admin","name":"admin"}
action: login
```

The unit test of our demo2 includes primarily three module in the server.

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register

Extract keyboard inputs

Input: users information

Output: text notification

Test input:

“admin”

“admin”

“Rutgers”

“automation”

Test output:

“failed, The name has exited”

“register successfully”
.....

Login

Extract keyboard inputs

Input: name and password

Output: text notification

Test input:

"admin"

"admin"

"wrong name"

"wrong password"

Test output:

"login successfully"

"failed, you may enter the wrong name or password, please try again"

Extract key string from voice

Input: speak out the command

Output: corresponding string

Test input:

"turn on the light"

"turn off the light"

"25%"

"50%"

"75%"

"100%"

"turn on the music"

"turn off the music"

"back"

Test output(corresponding strings)

"turn on the light"

"turn off the light"

"25%"

"50%"

"75%"

"100%"

"turn on the music"

“turn off the music”

“back”