

Lab4 - Webservice

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Key point

1. using **strategy design pattern** to reduce maintenance difficulty, and clear the code.
2. using **stream** operation to provide faster develop process.
3. using **response** class to take error information and status information.
3. considered **robustness**.

How to run

Deploy

None

Run

```
java -jar WebserviceServer.jar 8080  
java -jar WebserviceClient.jar 8080
```

Demo screen shot

```
tmux
  typora README.md  tmux  sleep1&&gnome-screenshot -w  electron-ssr
tanglizhi@archlinux ~/Experiments/dist/lab4 <master*>
$ java -jar WebServiceServer.jar 8081
Service has been run.

tanglizhi@archlinux ~/Experiments/dist/lab4 <master*>
$ java -jar WebServiceClient.jar 8081
***** Todo List Service *****
(1) Register a new user
(2) Add a todo item
(3) Search todo items
(4) Remove a todo item
(5) Clear items
(6) Quit
*****
Please make your choice:
1
Enter username:
xx
Enter password:
yy
Registration failed, try another username!
Detail error information: This username is duplicated, please enter another one.
***** Todo List Service *****
(1) Register a new user
(2) Add a todo item
(3) Search todo items
(4) Remove a todo item
(5) Clear items
(6) Quit
*****
Please make your choice:
1
Enter username:
xxx
Enter password:
yyy
Registration succeeded.
***** Todo List Service *****
(1) Register a new user
(2) Add a todo item
(3) Search todo items
(4) Remove a todo item
(5) Clear items
(6) Quit
*****
Please make your choice:

[0] B:java* "archlinux" 16:13 04-Jan-20
```

(left window is `WebServiceServer` , while left is `WebServiceClient`)