

### Submission instruction:

To submit your work, you have to be logged in the server zuma or crystalcove. For homework2, you should have "http\_server.py" and "smtp\_client.py" files in "hw2" folder in your linux account ("http\_server\_multi.py" and "http\_client.py" in addition if you are submitting optional parts). We do require this exact file name and folder name. If you use different file names or folder names, we will not see your file for grading. Now, you should change the current directory to the directory containing the hw2 directory. Then type the following command which will guide you through the submission process.

```
/ecelib/bin/turnin148
```

You will be asked if you want to submit your file. You can use the same command to update your submitted files until the submission deadline. Below is an example of how you would submit your homework:

```
zuma% ls # This step is just to make sure that you are in the correct
directory that contains hw2/
hw2/
zuma% /ecelib/bin/turnin148
=====
EECS 148 and CompSci 132 fall 2016:
Project "Socket Programming" submission for fahourai
Due date: Mon Oct 7 14:00:00 2016
** Looking for files in hw2 folder:
** http_server.py
=====
* Please confirm the following: *
* "I have read the Section on Academic Honesty in the *
* UCI Catalogue of Classes (available online at *
* http://www.editor.uci.edu/catalogue/appx/appx.2.htm#gen0) *
* and submit myoriginal work accordingly." *
Please type YES to confirm. y
=====
Summary:
=====
Submitted on Wed Oct 16 12:30:41 2016
You just submitted file(s):
http_server.py
```

### How to connect to the server

You may use ssh in Mac OS or putty in Windows to login to your account in the zuma and crystalcove servers. To transfer file, you may use winscp or filezilla. If you don't have account one of the EECS department servers, you get your account information from:

<https://newport.eecs.uci.edu/account.py>

You must log in with your UCInetID and password in this page to get your temporary password for your department server account. Now, you can log into department server with your UCInetID and this temporary password. Please change your temporary password as soon as you log in by using following command:

```
% yppasswd
```

**How to test your HTTP server:**

You may use any html files with some embedded objects such as jpg files. To see the result, you can use a web browser like chrome. The address is `http://<serverIP>:<port>/<filename>`; for example `'http://127.0.0.1:6789/test.html'` if you run server with port 6789 on the same pc as web browser. To grades your submission, we will use a autoTestScript which use hardcoded port 6789; therefore, please make sure that your web server uses this port. We provided you two html files from Wireshark lab which will help you to test your web server. 'HTTP-wireshark-file1.html' has just one file with no embedded object. 'HTTP-wireshark-file4.html' has two embedded objects (jpg, gif). We will test your code by using auto grader. It checks your code with a html file like the second provided example, and uses multiple simultaneous requests to check multithreaded feature of your code.

[https://eee.uci.edu/16f/18101/files/html\\_files.zip](https://eee.uci.edu/16f/18101/files/html_files.zip)

**How to test your SMTP client:**

If you have problem to connect to the SMTP server or you require authentication protocols, please follow the following steps to fix this issue:

1. You must run your application on the Zuma server instead of your local system. So, upload your code into your account space on the EECS server and launch from there.
2. Use server port number 25 and servername 'localhost' (you must complete step 1)
3. Use your UCI email address for Both MAIL FROM and RCPT TO,
4. Check you inbox