SEG2105. Introduction to Software Engineering

Assignment 3 – OCSF (PART 1)

Fall 2016

Instructions:

- **Assignment due**: October 30 2016 by 11h59pm.

- **Work individually or in groups of 2 (only for Part I).**

Instructions for setting up the OCSF and SimpleChat code in Eclipse are found here:

http://www.site.uottawa.ca/~mgarz042/SEG2105/assignments/Lab2_Getting_Started.html

Testcase descriptions are available online:

http://www.site.uottawa.ca/school/research/lloseng/supportMaterial/source/code/simplechat1/Testcases-Phase1.html

http://www.site.uottawa.ca/school/research/lloseng/supportMaterial/source/code/simplechat2/Testcases-Phase2.html

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Exercises to do: You will do exercises listed below from pages 104-107 of the textbook with a few modifications. Remember: do not modify the OCSF framework.

1. **E50, pages 105-106 (20 marks):** Comment each change as you go and mark the changes using the same style of comment. Hand in changes to your code with each preceded by a comment so the TA can see what you changed for this question. Your comment should look something like this '// **** Changed for E50' and your initials. Furthermore, add normal code comments explaining anything non-obvious in what you are doing.

   In addition to the commands from the book, add the following commands on the server side:

   - **#number** gets the number of current clients connected.
   - **#all_users** displays the list of all clients connected (by ids).

- **#disconnect <clientID>** disconnects the client specified in the parameter.
- **#wait <X>** makes the server wait for X seconds before accepting any new incoming client connection.

2. **E51, pages 106-107 (20 marks):** As before, comment each change as you go.

3. **E52, page 107 (10 marks):** Do all the even numbered testcases except 2018. Your results should be as described as in E48.

What to hand in: Hand in the following in a **zip file** named after your student IDs:
- A document containing the results of the test case runs.
- Your entire simplechat *directory* (**DO NOT submit the OCSF framework directory**).