

CS 458 - Homework 1

Deadlines

(Problem 1 should have been completed during the Week 1 Lab on 2017-08-23)

Problems 2 onward are due by 11:59 pm on Friday, September 1, 2017

Purpose

To give you some practice using `~st10/458submit`, to encourage you to carefully read the course syllabus, and to think about -- and do a little technical writing about -- one definition of software engineering, the Standish Group "Chaos" Report, and Brooks' "No Silver Bullet" paper (Chapter 16 in "The Mythical Man-Month").

How to submit

(Problem 1 was completed and submitted during the Week 1 Lab on 2017-08-23.)

Problem 2 is completed on the course Canvas site.

Submit your files for Problem 3 onward for this homework using `~st10/458submit` on `nrs-projects`, with a homework number of 1

Instructions for using the tool `~st10/458submit`

- If they are not already on `nrs-projects`, transfer your files to be submitted to a directory on `nrs-projects`.
 - (Use `sftp` (secure file transfer) or an `sftp` application such as WinSCP or FileZilla, connecting to host `nrs-projects.humboldt.edu`, and then transferring the desired files.)
- Once all of your files to be submitted are in a directory on `nrs-projects`, then use `ssh` (or Putty in a campus Windows lab) to connect to `nrs-projects.humboldt.edu`.
- use `cd` to change to the directory containing the files to be submitted -- for example,

```
cd 458hw01
```
- type the command:

```
~st10/458submit
```

...and give the number of the homework being submitted when asked, and answer that, `y`, you do want to submit all of the files with `of-interest-to-458` suffixes in the current directory. (It is fine if a few extraneous files get submitted as well -- I'd rather receive too many files than too few, and typing in all of the file names for each assignment is just too error-prone!)
- you are expected to carefully check the list of files that the tool believes have been submitted, and make sure all of the files you hoped to submit were indeed submitted! (The most common error is to try to run `~st10/458submit` while in a different directory than where your files are.)

Important notes

- Note that some of your submissions for this assignment *may* be posted to the course Canvas site.

Problem 1

...was completing the in-lab activity during the Week 1 Lab on Wednesday, August 23, creating the file `458lab1.txt` with contents as described during lab, and submitting it during lab with a homework/lab number of **81**.

Problem 2

Correctly complete the "CS 458 Required Syllabus Confirmation and Reading Questions" on the course Canvas site by 11:59 pm on Friday, September 1st.

Problem 3

Create a file `458hw1-3.txt`. Start this file with your name.

Consider the ACM CS Curriculum 2013 - Software Engineering definition given on the course Canvas site.

- Answer the question: according to this excerpt, what is the discipline of software engineering concerned with?
- List at least one thing from this excerpt that either surprised you, interests you, or that you consider to be noteworthy from this excerpt.
- And, briefly explain **why** it surprised you, interests you, or why you consider it to be noteworthy.

Problem 4

Create a file `458hw1-4.txt`. Start this file with your name.

Consider the 1995 Standish Group "Chaos" Report summary on those course Canvas site.

- List three things that interest you or that you consider to be noteworthy from this report.
- For each of these three things, briefly explain **why** it interests you or why you consider it to be noteworthy.

Problem 5

Create a file `458hw1-5.txt`. Start this file with your name.

Then, consider Brooks' "No Silver Bullet" paper (Chapter 16 of "The Mythical Man-Month").

- List at least three things that interest you or that you consider to be noteworthy from this paper.
- For each of these three (or more) things, briefly explain **why** it interests you or why you consider it to be noteworthy.