

# CS 458 - Homework 1

## Deadlines

Problems 2 onward are due by 11:59 pm on Friday, September 2, 2016

(Problem 1 was due by 11:59 pm on Friday, August 26.)

## How to submit

Submit your files for Problem 2 onward for this homework using `~st10/458submit` on nrs-labs, with a homework number of 1

(Problem 1 was completed on the course Moodle site.)

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

- If they are not already on nrs-labs, transfer your files to be submitted to a directory on nrs-labs.
  - If you are in a campus lab, you can do so by copying them to a folder on the U: drive
  - If you are not in a campus lab, you can do so by using `sftp` (secure file transfer) and connecting to `nrs-labs.humboldt.edu`, and then transferring them
- Once all of your files to be submitted are in a directory on nrs-labs, then use `ssh` (or Putty in a campus Windows lab) to connect to `nrs-labs.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 (or whatever number you have been asked to do for lab-related files) 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. (Note that I don't mind 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...)

## Purpose

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

## Important notes

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

## Problem 1

Problem 1 was correctly completing the "CS 458 Required Syllabus Confirmation and Reading Questions" on the course Moodle site by 11:59 pm on Friday, August 26th.

## Problem 2

Create a file `458hw1-2.txt`. Start this file with your name.

Consider the ACM CS Curriculum 2013 - Software Engineering definition given on the course Moodle 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 3

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

Consider the Standish Group "Chaos" Report summary on those course Moodle 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 4

Create a file `458hw1-4.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.