

McGill University  
School of Computer Science  
**COMP-206**

**Mini Assignment #1**

Due: January 22, 2019 on myCourses at 23:55

Lab 1 and Lab 2 will provide some background help for this mini assignment.

Question: Software Engineering and the command-line

Software developers use the command line to support good software engineering practices. For this mini assignment we will explore a standard way software developers organize their home directory when writing software.

For this question, you will need to make a screen shot or use your phone to take a picture of your computer screen. This single photo/screen-shot needs to prove that you answered the following questions while logged in to mimi.cs.mcgill.ca. You will submit this picture as your answer to this question:

- A. The command-line prompt must show your first and last name. You will need to change your prompt by using either the SET PROMPT command or the SET PS1 command (it depends on your shell). See lecture notes. On mimi use EXPORT PS1.
- B. Assume you are a software developer who wants to create a space in their Home directory to store a software project. In class we discussed this scenario. You may want to look at your notes.

Create the following directory structure within your Home directory (each row is a directory name and the indentation implies that it is a subdirectory – for example COMP206 is a subdirectory of Projects, and ass1 is a subdirectory of COMP206. Projects is in your Home directory.):

```
Projects
  COMP206
    ass1
      archive
      backup
      docs
      assets
      database
      source
```

Leave all the directories empty. Use the ls command to display all the folders. Take a screen shot.

## WHAT TO HAND IN

Everything must be submitted to My Courses before the due date. Remember that you can hand in your assignment up to two days late but there will be a penalty of 5% each day. After that, your assignment will not be accepted. Please hand in the following:

- A JPG or PNG file named A1 showing that you completed all the requirements.

## HOW IT WILL BE GRADED

The assignment is worth a total of 20 points.

- The points will be awarded proportionally. This means if your answer is 50% correct then you received 50% of the points. Whatever the proportion of correctness, it is reflected similarly in the proportion of the grade for that question.
- 8 points for changing the prompt to show your first and last name. The student is permitted to have other things present in the prompt in addition to their name, if they want. It does not impact the grade. Displaying their username is not acceptable.
- 10 points for the correct directory structure. The student needs to be able to show in a single image that the solution was created within their account, on mimi, and all the folders created in the requested arrangement. This question also tests their ability to log into mimi and use the server, therefore a solution using the command line from their laptop is not acceptable. They can however, use ssh from their laptop to access mimi remotely.
- 2 points for following the assignment specifications as stated

## GRADING RULES

The following rules are followed by the TA when grading assignments:

- A program must run in order to get a grade (even if it does not run well). If it does not run (does not compile) it will receive a zero. (Make sure to run your programs from mimi.cs.mcgill.ca).
- The TA will grade using the mimi.cs.mcgill.ca server.
- All questions are graded proportionally (assuming the program runs at all). This means that if 40% of the question is correct, you will receive 40% of the grade.