

SUBMISSION INSTRUCTIONS

Your assignments **must be handed in electronically through CourSys** (<https://courses.cs.sfu.ca/>). You will electronically submit a **single .ZIP, .RAR or .TAR file** that will contain:

- **myshell.c** – your **source code** solution, and
- Any auxiliary files required for your program to build properly (e.g., lex.c if you choose to use it)

Your program must be in standard C. It is **your responsibility** to make sure your program **compiles and runs** smoothly under **Linux**, with the kind of environment available at CSIL.

This is the only submission method.

DEADLINE

Homework must be submitted by **11:59:59 PM on Thursday, October 2, 2014**. Submissions after this deadline will be considered late and penalized 10%. Submissions will NOT be accepted after two days late and will be marked with zero.

GRADING

Your homework assignment is worth 5 points, and will be marked according to the following general criteria

Adherence to the assignment specifications (4 points)

- Your shell prompt **MUST** adhere to the following format:
 - Current date (optional) and time (mandatory) followed by the **hash sign** (e.g., **13:03:00#**)
- Your shell **MUST** support, at minimum, the following commands:
 - The internal shell command “exit” to terminate the shell
 - ls, with no arguments
 - ls, with arguments (e.g., ls -l)
 - echo
- Your shell **MUST** use system calls fork(), waitpid(), and one of execv, execve or execvp. You **MUST NOT** use the C library function system(). You **WILL** receive a grade of zero if you do.
- You **MUST check and correctly handle** all return values. This means that you need to read the man pages for the system calls to figure out what the possible return values are and the types of errors they indicate, and what you must do when you get that error.

Good programming style (1 point)

- Your code is well-organized, properly indented, and easy to read and understand.
- Your code is thoroughly commented and includes a comment header with your name, student number and date.
- Functions and variables have meaningful, easy to understand names.

IMPORTANT: Your program must **COMPILE AND RUN** or you will get a mark of **ZERO** on your assignment.

Assignment grades will be open for review for **one week only**.

Finally, a reminder that plagiarism will result in an automatic failing grade for the course.