

## Submission Guideline

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### SUBMISSION INSTRUCTIONS :

Your assignments must be handed in electronically through CourSys website. 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., header files 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. DO NOT send solutions over email.

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### DEADLINE:

The soft deadline for homework is 11:59:59 PM on September 29th, 2017. Submissions after this deadline will be considered late and penalized 10%. The hard deadline for the same is February 1st, 2017 and submissions will NOT be accepted after this deadline.

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### GRADING :

Your homework assignment will be marked according to the following 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 WILL NEED 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 so.

**Note:** 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, thoroughly commented ,and easy to read and understand.

**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.**

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