

CS444 Fall 2025 Comment on proj2 – shell bsh.c

CS Username: _____ **Score** out of 100 pts: _____

(12 pts) Syllabus and proj2 Grading Rubric Basic Requirements:

- a. (1 pt) You made a subdirectory proj2 in your course directory _____
- b. (1 pt) You copied in the supplied files including Makefile _____
- c. (1 pt) Starting ≤ 2 days before Mon Nov 10, you have a first incremental bsh.c bigger than supplied starter file _____
- d. (1 pt) You have at least one other incremental bsh.c _____
- e. (1 pt) You submitted your final C program(s) bsh.c _____
- f. (1 pt) Your name is in a header comment in your code _____
- g. (1 pt) Your code was submitted at or before 11:59 on Mon Nov 10 _____
- h. (1 pt) You submitted a compiled bsh on the server _____
- i. (1 pt) We copied your bsh.c and it compiles _____
- j. (1 pt) The executable matches the byte count of what you submitted _____
- k. (1 pt) We submitted your bsh.c to moss and its similarity to other students' submissions is $< 45\%$ _____
- l. (1 pt) We ran your code with ./bsh, got your shell running, typed exit and the code completed.

m. (negative) If submitted late, number of hours late (partial hour counts as 1) _____
Late penalty is (1% of score of 100 for each hour late): _____

(20 pts) We checked the latest version of your readMe.txt

- a. (1 pt) You submitted readMe.txt _____
 - b. (1 pt) The name of the file is 'readMe.txt' spelled correctly _____
 - c. (1 pt) Your name is in your readMe.txt _____
 - d. (5 pts) You made an entry each time you worked on proj2 _____
 - e. (2 pts) The incremental files you saved line up with the activities listed here _____
 - f. (5 pts) You explained the parts (at least two) that were hard for you: _____
 - g. (5pts) You list the sources you consulted _____
- Number listed: _____

(30 pts) The commands env, setenv and unsetenv described in 2.2 – 2.4 and 3.1 of the proj2 description

- a. The basics graded above a. – l. account for 12 pts, so this section adds up to 18 pts.
- b. (3 pts) The code has expanded entries for doing cmds env, setenv and unsetenv _____
- c. (1 pt) The code added is consistently indented (2 or 4 spaces) _____
- d. (1 pt) The names in the code are well-chosen _____
- f. (1 pt) The envp[] has been added to the int main statement _____
- e. (4 pts) type: env and see list displayed _____
- b. (5 pts) type setenv junk = 2 and then env: to see new variable _____

c. (3 pts) type: unsetenv junk and then type: env to see that it has been removed ____

(30 pts) The command cd described in 2.5 and 3.2

b. (5 pts) The code has an expanded entry for cmd cd ____

a. (5 pts) type env and check that the list shows PWD with absolute path ____

b. (5 pts) type: cd /home and see no errors ____

c. (5 pts) type: env again and check that the list shows an updated PWD value ____

d. (5 pts) type: cd .. and other commands if you like ____

e. (5 pts) type: env again and check that the list shows the updated PWD value ____

(20 pts) The command history in 2.6 and 3.3

a. (4 pts) The code has an expanded entry for cmd history ____

b. (4 pts) type: env and check that the list displays HISTORY ____

b. (4 pts) type: history and see that the list includes env ____

c. (4 pts) type: cd .. to add to history, then type history and see the addition ____

d. (4 pts) type more commands, then type history and see updates

(0 pts or negative) Code Walkthru Check

a. We checked the code for sources cited and found this many: ____ (if 0 continue at e)

b. Using the examples in the MIT writing code reference, we verified that your code cites sources for code that is copied from the internet into your code or copied from the internet into your code and modified or generated by chatGPT in the correct manner

c. Each URL or prompt cited in your code is followed by an end marker so we can see where your own code resumes: _____

d. **(-10)** We found you had some sources your used incorrectly cited _____

e. We checked your list of sources in readMe.txt against the sources cited in your code and those in your code are a subset as required _____

e. We checked moss to see if code your code matched code that was sourced ____

d. **(-30)** We found you had some code not cited _____

e. If needed, we notified the instructor to ask for a code walkthru ____

(up to 50 pts extra with limitations) Output is correct for extra credit commands described in 2 and 4

a. (15 pts) Per 2 strsep and 4.1, finding and running Linux commands works ____

b. (10 pts) Per 4.2, I/O redirection works ____

c. (15 pts) Per 2 strsep and 4.3, parsing user commands without requiring that all parts are separated by spaces works ____

d. (10 points) Per 4.4, combining commands via a single pipe works ____

e. You completed basic commands so this extra credit can be applied to proj2 ____

f. Remaining extra credit _____

g. If proj1 grade is <89, extra credit can be applied there and/or held for next proj.