

cpsc 351-Project Two --- Unix Shell --- due 25 Mar 2021 at 2359

Your name: Phillip Pham

Repository: https://github.com/gephiltafish/unix_shell

Verify each of the following items and check the correct column. Incorrectly marked items will incur a 5% penalty.

Complete d	Not Complete d	Unix Shell
x	<input type="checkbox"/>	Complete a Unix shell (osh) project that runs on any Linux, Unix or macOS system.
x	<input type="checkbox"/>	Program is written in the C language, using fork() and exec() and wait()
<input type="checkbox"/>	x	Shell program uses dup2() and pipe()
x	<input type="checkbox"/>	Program creates a Unix shell with the parent process forking a child process
x	<input type="checkbox"/>	Shell can run concurrently, e.g., osh> cat program.c &
x	<input type="checkbox"/>	Shell can run in the background, e.g., osh> ls
x	<input type="checkbox"/>	Shell terminates when exit() is typed, e.g., osh> exit()
x	<input type="checkbox"/>	Shell allows multiple arguments to be passed through the command line
x	<input type="checkbox"/>	Has a history feature that remembers the shell commands typed, e.g., osh>ls -l osh> !! will execute ls -l again
<input type="checkbox"/>	x	Allows redirection of input using the dup2() function, and the < and > symbols osh> < input_file, or output, osh> > output_file, or both osh> < input_file > output_file
<input type="checkbox"/>	x	Allows the parent and child process to communicate with a pipe (sends the output of ls to the less program) osh>ls -l less
Comments		
