

(9) After you've fixed all the observed failures, commit your source code to GitHub, go back to step 5 and run **ALL** your tests over again to see if the problems are fixed (or if you've created any new ones). Keep repeating until all tests work properly.

What to Hand In

In this assignment, you will hand in through Blackboard:

- (1) The Unix script files (or DOS batch files) you used to automatically run your tests and validate their output.
- (2) The detailed failure table for your test runs, with a row for each observed test failure and columns showing the test name, what it was testing, how its output was wrong, what the error in your code was and how you changed the program (or test) to fix it.
- (3) A listing of your final Front End program code that passes all your tests.

Marking Scheme

Marking is out of ten, according to the following criteria. In each category, marks are assigned between zero and the number of marks shown, to a resolution of 1/2 mark.

Script Files, Macros or Programs used to run your tests

Quality	2 marks
- clear, readable scripts	
- understandable variable names	
- internal comments or documentation explaining script or test process	

Automation	1 mark
- scripting does majority of test work, little or no hand work to be done	

Failure Log

Organization and Completeness	5 marks
- failure log presented in clear table form, listing:	
- test name or number,	
- what was being tested,	
- the nature of the failure,	
- what the error in the code was, and	
- what actions were taken to fix it	

New Source Code

New Code Passes All Tests	2 marks
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TOTAL	10 marks