Assignment 3 – A Trivial UNIX File System

Category	Mark
`fs_mount function` • **Marks will be deducted for:** missing error checks (-3), failing to perform consistency check (-2 each), not skipping invalid commands (-2), other unexpected behaviour (-3).	/20 marks
`fs_create function` • **Marks will be deducted for:** missing error checks (-1 each), not using the first available inode/file block (-2), unexpected behaviour during file and directory creation (-2 each), wrong error message (-1).	/10 marks
`fs_delete function` • **Marks will be deducted for:** missing error check (-1), failing to zero out data blocks (-2), unexpected behaviour for file (-2) and directory (-5) deletion.	/10 marks
`fs_read function` • **Marks will be deducted for:** missing error checks (-1 each), unexpected behaviour (-2).	/4 marks
`fs_write function` • **Marks will be deducted for:** missing error checks (-1 each), unexpected behaviour (-2).	/4 marks
`fs_buff function`	/2 marks
`fs_ls function` • **Marks will be deducted for:** unexpected behaviour for file (-1) and directory (-2), not following the formatting specifications (-1).	/4 marks
`fs_resize function` • **Marks will be deducted for:** missing error checks (-1 each), unexpected shrinking (-2) & expanding (-4), not moving to the first available set of blocks when required (-2).	/10 marks
`fs_defrag function`	/4 marks
`fs_cd function`	/2 marks
`Makefile & readme.md` • **Marks deducted for:** missing targets in Makefile (-10), README not meeting the requirements (-5).	/15 marks
`Test cases`	/15 marks

Note: Deductions (to the entire grade) may be applied at the grader's discretion if the submission:

- Does not compile or run correctly;

- Has extremely poor code structure, style, or modularity;

- Has memory leaks.

- Does not have correct function/file names (e.g., submission file is not either tar.gz or .zip).