

Software Engineering Project 1

Assignment 3 – README File

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How do you load a board

On the main menu, select 2 to load a board. You will then be asked for the complete file name (including the file extension). If CLion is being used, please put ../ before the filename (e.g ../board.txt), as the program was codeveloped in CLion and only worked as such. In Command Prompt, you only need to put in the file name (e.g board.txt). The program will tell you whether it loaded successfully or not.

If it has loaded successfully, you may see the newly loaded data by selecting 1 on the main menu to display boards.

How did you edit lists and items

When you select the respective options for editing lists or items, you will be given a number of modification options.

For the list editing, you can choose whether to edit the name of, delete, or add a new board. Each of these options will ask you to choose the board you wish to modify and then carries out its own function.

For the item editing, you will be asked to select a list. Once the board is chosen, you are given options to modify the items in a list. Each of these ask you what is needed (a new name for example).

These were all handled using Item pointers and board pointers. Using a combination of loops, conditional statements and string functions (such as strtok and strlen), the program will iterate through all boards/items until it gets to the correct one. The boards are updated after every operation.

How do you save a board

By selecting the save board option on the main menu, you are asked to enter the filename that you would like to save the data to, similar to the way you load a file. Again, this differs with CLion so if you are using CLion to run the program, please enter ../ before the file name (e.g ../board.dat). Otherwise, enter the filename (e.g board.dat).

The program will inform you if the file was created successfully. You should see the file in the same directory as the C files (unless you are using CLion, in which case, please check the debug folder, since that contains the executable program).

You may open this file and edit it to your liking. As long as the file is in the correct format as the default file (provided as board.txt), you can load this file back into the program and customise it further and save yet again.

What's your Ascii art about?

Elvin: My ascii art is a simple rendition of the classic item box from the Super Mario Bros. Franchise. Growing up as a Mario fan, I felt that this would be a nice tribute to put in :)

Harshit: My ASCII art is an arrow which indicates that a person should always keep moving forward in life and do the best they can to achieve what they aim to.