DSU Explorer

Allows the user to navigate through the files of a newly created DSU in a Linux manner. Implements: - the behaviour of basic UNIX file navigation commands. - several commands from TotalCommander taken as example from here

Implemented operations

File

- ls => list the files
- touch => creates a file
- cd - go to directory
- mkdir - create directory
- write - write the content of a file to a specified path
- cat - gets the file content
- sha256 - calculates sha256 of a file
- dups - finds duplicate files
- pwd - print working directory

DSU

- We are initializing a DSU if none is found.

Code Documentation

Documentation has been generated via JSDoc and can be found here; It can be regerenated using the command: jsdoc main.js This requires global installation of the jsdoc module: npm install -g jsdoc

References

We used the documentation written here for OpenDSU, more specifcally RFC063.