

Requirements for Logger

Functional Requirements

Must Haves

- Logger shall log all visible actions
- Logger shall log all state transitions
- Logger shall log all other important backend actions
- Logger shall print to console
- Logger shall write log to file
- Logger shall include a timestamp for every log action
- Logger shall log all errors
- Logger console prints shall be able to be turned on and off
- Logger file writes shall be able to be turned on and off

Should Haves

- Logger should include a predetermined priority level with every log action
- Logger should be able to only log things that meet a predetermined minimum priority level (i.e. verbosity)

Could Haves

- Logger could be able to include a tag specifying the origin of the log
- Logger could be able to only log things that have (a) certain tag/tags

Won't Haves

- Logger won't be able to manipulate existing logs
- Logger won't have colored output

Non-functional requirements

- The logger shall be tested with a minimum of 75% line coverage
- The logger shall be written using Java 1.8
- The logger shall be delivered on Friday, the 18th of September
- The logger shall be built in a single SCRUM sprint