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I pledge my honor that I have abided by the Stevens Honor System.

05.03.2020

Formal Technical Review - CS347

Section 8

Issues raised

1. **Mike:** In section 5.1, what does it mean where it says “the log will be an array”?
2. **Mike:** Do we want to keep in section 5.2 the general definition of components in software?
3. **Connie:** In section 5.3, we should add a `write_to_log()` function.
4. **Connie:** In section 5.3, we should add some accessor functions in our control management diagram.
5. **Eric:** In section 5.4, did we specify the specific programming language we will be using?
6. **Eric:** In section 5.4, why are we using a database for local cruise control?
7. **Hamzah:** In section 5.4, there is a grammatical error in the first sentence of the last paragraph.
8. **Hamzah:** In section 5.6, we need to specify where the issues were in section 5.
9. **Eric:** The formatting of the charts in section 4.5 is off.
10. **Connie:** There is a spelling error in section 4.1.

Issues resolved

1. **Resolved:** As each command for cruise control comes in, we will append it to a file as opposed to maintaining an array. This is not to say the log will not be treated like an object as each message will be a tuple of a timestamp and a string which will be appended to the log file.
2. **Resolved:** Yes, we do want to keep it as it helps guide understanding of how we will be using components.
3. **Resolved:** We added another function to our Control Management Diagram in Section 5.3 that would write each command to the log.
4. **Resolved:** We added more functions to our Control Management Diagram in Section 5.3 that act as accessor methods. For example, we added: `getSpeed()`, and `isCruiseControlOn()` that return the current state of the vehicle.
5. **Resolved:** We were deciding between implementing the Cruise Control System in Java or C++. We ultimately decided to use Java because the group as a whole feels more comfortable programming in this language.
6. **Resolved:** Removal of the database as it will not be scalable so there is no reason to keep it. Moreso, since this is a local prototype and there is not a reason to connect the database.

In order to store information, we have other means for it. It also leaves room for hackers to tamper with the software.

7. **Resolved:** This grammatical error was corrected.
8. **Resolved:** The issues that were resolved in section 5.6 were updated to include the section where the issue was found.
9. **Resolved:** The diagrams in section 4.5 were reformatted to correct mistakes that were made when uploading the diagram to the document. This will make comprehension of the diagrams much easier.
10. **Resolved:** This spelling error was corrected.