Software Formalization

Year: \_\_\_\_\_\_ Semester: \_\_\_\_\_\_\_\_ Team: \_\_\_\_\_ Project:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Assignment Evaluation:

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| --- | --- | --- | --- | --- |
| **Item** | **Score (0-5)** | **Weight** | **Points** | **Notes** |
| **Assignment-Specific Items** | | | | |
| **Third Party Software** |  | x2 |  |  |
| **Description of Components** |  | X3 |  |  |
| **Testing Plan** |  | x3 |  |  |
| **Software Component Diagram** |  | x4 |  |  |
| **Writing-Specific Items** | | | | |
| **Spelling and Grammar** |  | x2 |  |  |
| **Formatting and Citations** |  | x1 |  |  |
| **Figures and Graphs** |  | x2 |  |  |
| **Technical Writing Style** |  | x3 |  |  |
| **Total Score** |  | | |  |

5: Excellent 4: Good 3: Acceptable 2: Poor 1: Very Poor 0: Not attempted

General Comments:

*Relevant overall comments about the paper will be included here*

1.0 Utilization of Third Party Software

*Previously in your Software Overview you discussed algorithms and data structures to be used in the software/firmware of your ECE477 team project. In this section, explicitly list out all of the third party software you intend to use for your project (a table may be a very useful way of conveying this information). Provide citations to source material, a description of the software being used, and a brief description of what your team intends to use it for. Also include any relevant licensing information for the software and any steps necessary to use the software (such as paying a royalty for licensing commercial software, or attribution requirements for open source software)*

2.0 Description of Software Components

*Define the software/firmware components of your design (i.e. functions, objects, etc.). Differentiate between components being developed by your team, components that are being ported to your project, and components that you intend to use as-is from previous projects or third-party vendors (a table may be a very useful way to convey this information). The use of a function call structure or software component diagram is strongly recommended here.*

3.0 Testing Plan

*For the software components detailed in section 2.0, provide further description on a component-by-component basis about what tests need to be performed on the component. Additionally, assign a numerical priority for each component concerning the importance of successfully verifying that component.*

4.0 Sources Cited:

*Throughout this and other papers, use of the IEEE citation style should be used. Use of embedded hyperlinks for all web-based sources is required. A reference to the IEEE citation style format is provided* [*here*](http://www.ieee.org/documents/ieeecitationref.pdf)*.*

Appendix 1: Software Component Diagram

*Use this appendix to provide a diagram of the software components of your design. Depending on the nature of your design, multiple software component diagrams or function call structures may be appropriate.*