**Appendix B. Software Construction Strategy**

Describe how you will address the following:

1. Have you agreed on a programming language, compiler, editor, debugger?
   1. Programming Language
      1. Front-end
         1. HTML
         2. CSS
         3. JavaScript
         4. jQuery
      2. Back-end
         1. MySQL
         2. PHP
   2. Server
      1. XAMPP
   3. Editor

i. Brackets

ii. Sublime Text

1. Will you start with logic or user interface?
   1. User interface first then we’ll do it at the same time after.
2. Will you start with the main menu and move to each module, then per function/class?
   1. Start with home page then per field (log in, shopping cart etc.)
3. How will you check compliance of your code with the coding standards defined for your team?

a. Code first to make it work and check the coding standards for compliance.

1. What is your coding practice with regards to error handling? security (such as validating user inputs and referential integrity)?

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1. Will programmers code in pairs ("pair programming"), or individually, or a combination of both?

* Both.

1. How will you use GitHub to manage version control of your code?

a. We will code and upload first, and check each other’s code and make change if necessary.

1. How will you handle revisions? What revision control tool will you use?

a. We will be using GitHub as a revision control tool.

1. Will you allow the use of non-standard language features?

* If they are necessary.

1. Will programmers write test cases for their code before writing the code itself?

* It depends on the discretion of programmers. Each programmer will decide if he/she will write test cases or not.

1. Will programmers step through their code in the debugger before they check-in their code (to the repository)?

- Programmers will go through minimal error checking for operation first. If the code works, they will put the code and check it.

1. Will programmers integration-test their code before they check-in their code to the code repository?

- Programmers will have a simple integration-test for their code to check if the program runs as a whole.

1. Will programmers review or inspect each other’s’ code?

- Yes, of course.