Appendix B. Software Construction Strategy

Describe how you will address the following:

* Have you agreed on a programming language, compiler, editor, debugger?

**Our team agreed on java as our compiler language and Netbeans 8 or later as our IDE. Our team agreed on using JDK 7 as our language version.**

* Will you start with logic or user interface?

**We will start with the user interface then the logic to make the testing more convenient.**

* Will you start with the main menu and move to each module, then per function/class?

**Yes**

* How will you check compliance of your code with the coding standards defined for your team?

**After one of our member made the methods work for the component of the program, our team will check if that member followed the coding standards that the Dev team agreed on.**

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

**Our program will check whether the user input is correct and if not, an error message will print and will give the user a 2nd chance to input again.**

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

**Individual**

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

**Whenever we start to develop critical modules of the software, we will make a separate**

**version to avoid messing up the other modules.**

* How will you handle revisions? What revision control tool will you use?

**We will use Git.**

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

**Yes**

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

**We think both can apply because sometimes after writing the code the programmer can picture what possible errors can a method/function does.**

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

**Yes**

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

**Yes**

* Will programmers review or inspect each other’s’ code?

**Yes, in order to verify if they followed the coding standard agreed by the developers.**