CS 3331 – Assignment 6

JavaDoc and JUnit

Due Monday, November 20th by the end of day on BBlearn

In this assignment, you will practice automated documentation generation using JavaDoc and Automated Unit Testing using Junit.

In this assignment, you will reuse the code you submitted in Assignment 4 (the Moon Rover). You are free (but not required) to modify the code as you desire.

Part I: Automated documentation Generation (JavaDoc)

Use JavaDoc to automatically generate HTML pages. Your documentation should at minimum cover the following aspects:

   a) Provide author and version information for each class.
   b) Provide documentation for each method, clearly describing the purpose of the method and describe parameters it receives, and values it returns.
   c) Describe attributes and provide rational of their use.

Part II: Unit Testing (JUnit)

Use Junit to create unit tests as follows. Each class should have a corresponding test class. Each method in your code should have a corresponding test method with multiple assertion statements (at least 3 assertion statements in each test case). Make sure to use diverse assertion statements to provide adequate testing of your code.

What to submit

   a) Your code, including all test code
   b) All generated HTML files (index.html should point to the root page)
   c) Screen capture of Junit run (showing passing and failing test cases, if any).