**Code Commenting Conventions**

**Purpose**

This document is to create a specific method of documentation during the development phase of projects. It describes how and when code is to be commented in projects. This document allows the developers to have a standard for communication in their code.

**Commenting Standard**

The following are examples on how to comment your code effectively.

**Class Commenting:**

/\*==========================================================================

\* Class: [Class Name]

\* Variables: List of variables in the class with short description

\* Description: Give and explanation/overview of the class’s purpose  
===========================================================================\*/

**Function Commenting:**

/\*==========================================================================

\* [Comment Title]

\* Inputs: x<time lapse variable>, y<Speed wobble rate>,z<Conversion factor>

\* Outputs: x[] <An array containing the G-forces over time in 5 second increments per element starting at 0>

\* Returns: The value that the function returns

\* Description: Give an explanation of the entire function explaining not ‘how’ it does something. But, what it does and why it does it.

\* References: Give references to design or testing documentation

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**Breaking Up Sections:**

Occasionally it is necessary to differentiate sections in a program for read ability. For this we will treat those sections as labeled groups.

//=====================Start: GUI functionality===================================

//code

//=====================End: GUI functionality====================================

//=====================Start: Folder operations===================================

//code

//=====================End: Folder operations====================================

**Notes:**

It is often necessary to leave notes. They sometime describe the existence of potential bugs or just describe a single line.

//=============NOTE: [what is this note, use few words e.g. ‘Potential Bug’]==============

//<Say what you wanted to say to other developers or yourself here>

//============================================================================

**Source Code Citation:**

There will be times when code already exists and you are allowed to use it, but it still must be cited. This is how to site this code.

//%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

[Code goes here]

//%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

//Creator: [Name of creator of code]

//Date Created: [Date created by Creator]

//URL: [Location of code or replace with “Book:” if need be, use standard book citing]

//Purpose: [Describe WHAT this code does and WHY it does it]