

Standards Plan

for

The Java Draw Project

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1 Quality and Readability Standards

1.1 File log conventions

Inherent in a large system is a large collection of files. As to maintain consistency, each file must contain its own header of comments. The following details the comment conventions.

Format:

```
/*  
 * Author(s)  
 * Date created  
 * Sub-system  
 * Date/Time updated  
 * Purpose  
 */
```

1. Author: Name & Student ID
2. Date created: Date file created
3. Sub-system: Short description of what sub-system it is a part of
4. Date/Time updated: Date file most recently updated
5. Purpose: Short description of the files purpose

1.2 File log conventions

To maintain consistency, readability and maintainability, each function must contain its own set of comments above its declaration. The following details the comment conventions.

Format:

```
/**  
 * Purpose  
 * Short explanation  
 * @param - Parameter type and an explanation of its purpose (new line for each parameter)  
 * @return - Return type and explanation of why it is being returned  
 */
```

1.3 Function/Variable Naming

To further ensure consistency and readability, each function and variable name will follow a simple convention explained below:

1.3.1 Function Names

1. Will use camel case i.e. `checkForFiles()`
2. Must not be abbreviated i.e. `avg` must be `average`

1.3.2 Variable Names

1. Will use underscores rather than camel case i.e. `brightness_value`
2. Must not be capitalised, but may contain capitals where applicable
3. Must not be abbreviated i.e. `avg` must be `average`