
CODING STANDARD, DEFECT TRACKING & WORKFLOW

for

COE 1186 Project

Version 0.1 approved

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Training Montage

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1 Policies

1.1 Purpose

The product whose coding standards, defect tracking policy, and workflow are specified in this document is the Training Montage Rail Simulator (TMRS). This document covers the methods we will employ to ensure that this product follows a standardized procedure for coding, as well as the tracking of defects and policies for defining how work is completed.

1.2 Coding Standard

The TMRS coding standard will follow the Google Java Style Guide. As a slight modification, TMRS code will use a 4-space indentation rather than a 2-space indentation. View the Google Java Style Guide here:

<https://google.github.io/styleguide/javaguide.html>

1.3 Defect Tracking & Workflow

Work done on this project will utilize the version control capabilities inherent in GitHub and the Git commands. Team members will create branches of a common repository to perform their own work, merging those branches to common team-wide repositories as appropriate. Mistakes and errors can thus be easily be rectified by reverting the branch to a previous version.

1.3.1 Tools

Training Montage will track issues using GitHub Issues. GitHub Issues allows us to create issues, reference issues from commits and pull requests, associate issues with milestones, label issues according to type, and assign issues to users.

1.3.2 Numbering

GitHub Issues automatically keeps track of issue numbering. Every time a new issue is created, it is assigned a unique number.

1.3.3 Tracking

Training Montage team members receive notifications when issues are created. From there, issues may be assigned to a team member.

1.3.4 Resolution

Issues should be resolved by creating a Pull Request, and associating that pull request with an issue. Once that pull request passes automated testing, it may be merged into the master branch, and the issue may be closed.