Haulage Project Agreed Processes

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Branching Process

Below is the branching and merging process in which developers should follow when implementing features to the project: -

1. First, fetch from the Dev branch to ensure that you are working with the most up to date version of the repo.
2. Create your feature branch for whatever feature you implement from the **Dev** branch, ensuring that your local Dev branch is up to date.
3. Always remember to adhere to branch naming conventions, ensuring that branch names are in lowercase (examples on GitHub portal)
4. When creating a commit within a feature branch remember to use a short description for title, content should be initials and followed by a summary.
5. It is essential to continue committing frequently to ensure the application's development is as up-to-date as possible.

The following steps of the Branching process are required for an effective code review, where fellow developers aim to maintain code quality during development.

1. Once the feature branch has been finalized, fellow developers must review it before a pull request is created and the branch is merged back into the Dev branch.
2. The Master or Main branch is only ever updated by Dev after a group review, and developers have agreed upon all changes.
3. A release is then created (Group task after review).

Bug Reporting Process

The steps below should be followed by developers to effectively find, report, and eradicate bugs within the program: -

1. First, once a bug is found in the project's code, you are required to create an issue within the Project GitHub portal with an appropriate title.
2. Ensure that the description of the bug and what triggered the error includes as much detail as possible.
3. Label the issue within GitHub using the “Bug” label and assign the bug to yourself.
4. If possible include a screenshot of the error/bug to assist other developers in diagnosing the issue.

Change Request Process

To request a change within a feature, all developers must adhere to the following change request process: -

1. First, open a task or issue within GitHub to ensure that all changes are documented.
2. Add a comment using @ and the developer's GitHub username to gain their attention to your comment, giving an in-depth description of the requested change.
3. Developers are encouraged to use the following format when requesting a change: -

* ###Reason for the requested change###
* ###Requirements###
* ###Impact###
* ###Expected Outcome of the Change###
* ###Further comments###

1. Be sure to monitor the issue so you don’t miss any changes or further comments.

Code Quality Agreement

During the project's development, whenever a developer creates a unit test for a piece of code, the pass rate of the test must be 80% or above in accordance with project policy.

Standardized Format of Unit Tests