

Definition of Done

For a feature from the product backlog to be considered done, the following requirements must to be met.

1. Discussed

The product owner and developers have discussed and elucidated what functionality and which features are required to satisfy the User Story. The developers have discussed and agreed upon technical solutions and implementation structure, and the estimated workload has been distributed among them. Essentially this means that everyone have the same vision of what needs to be done and how to do it.

2. Implemented

The functionality has been implemented in code and is runnable (compiles without errors and executes as intended). The code is readable and has been written in accordance with appropriate code conventions, and is reasonably self-documenting. To ascertain this, as well as the code quality in general, the code has been reviewed and approved by at least one fellow developer.

3. Documented

All java code has been documented through javadoc in accordance with javadoc conventions. All C++ code has been documented in accordance with "Documentation Guideline" document. When appropriate, the UML, README and other relevant documentation has been updated to properly describe the code, product and its uses.

4. Tested

All java and C++ code has been provided with tests for their respective environment (JUnit tests for the java code and CATCH tests for C++ code). The tests controls and verifies that the code functions as intended; free of bugs and unintentional behaviours/results. This is done by testing that each non-abstract class' constructor (and in C++ also destructor) creates an object that behaves as desired. The appropriate methods are tested to see that they act like expected by manipulating an object/variable or analyzing their return value. The tests can be run automatically to ensure program stability after changes and/or additions have been made.

5. Team updated

The code and functionality implemented during coding phase has been shared and explained to the developer team to keep everyone updated and connected. The thought process behind the coding and the rest of the process towards "done" (such as documentation and testing)

has been presented to the group with the opportunity to ask questions. This has resulted in an awareness of other developers' assignments and tasks, as well as the overall progress and content of the project.