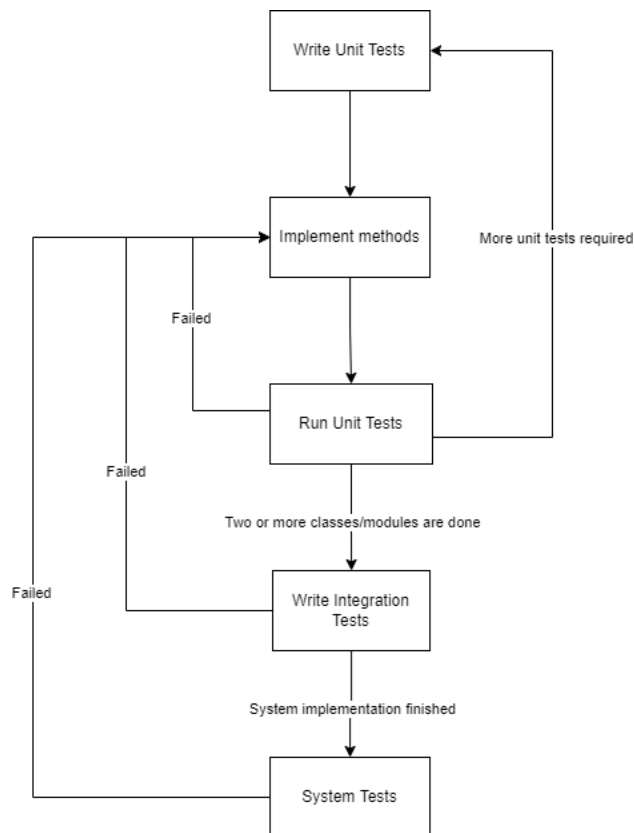


Testing Plan

For this project, we will perform three main tests: unit tests, integration tests and system tests. Unit tests will mainly focus on single to multiple methods within a class. The integration tests will focus on interaction across different classes/modules. The system tests will focus on testing the behavior of the whole system.

Testing Strategy:



Unit tests are carried out before any implementation, these tests are expected to fail at all since no implementations are done yet. Implementation of the methods come after the unit tests. Once implementation is done, unit tests will be run against the implementation. Any failure will result in modifying the methods. If any further unit tests are required, more unit tests will be generated.

Integration tests are performed when two or more classes/modules are finished. These tests are expected to pass, and any failure will result in investigations and modifications in methods across multiple classes.

System tests are the last test to be carried out. At this stage, the system is expected to work as spec required. Any failure indicates the wrong behaviours across different classes/modules. Modifications and refactoring are required to fix the problems.