# Testing Methodology

JUnit is the unit testing framework used in this project. When developing new functionalities, unit test can be used to test the outcome is within expectation. Although there is no strict policy on utilizing Test-Driven Development (TDD) approach, sufficient testing on the boundary cases is expected.

The following is a code snippet of a sample unit test.

Task task;

@Before

**public** **void** setUp(){

// initialization before tests

task = **new** Task("task 1");

}

@After

**public** **void** tearDown() {

// clean up after tests

}

@Test

**public** **void** testCase1() {

task.setDueDate("0305"); //DDMM

*assertEquals*(3,

task.getDueDate().get(Calendar.***DAY\_OF\_MONTH***));

*assertEquals*(Calendar.***MAY***,

task.getDueDate().get(Calendar.***MONTH***));

}

The setUp() method is used to initialize the environment for each test cases whereas the tearDown() method is used to clean up after each test cases. The functionality in question can be invoked within the test cases and expected outcome of the functionality should be asserted with the actual values.