Appendix A Test Case Legend

Table A1: Test Case ID sequence

Identifier = TC	Feature = MC | COMM | INST | MCB	Test number in feature = ###

Table A2: Priority levels used for feature completion metric

Test Type (τ)	Test importance (ρ)
Unit Test = 1	Low = 1
Feature Requirement Test = 2	Med = 2
	High = 3

The ζ index is the percentage that a test will count to the completion of the feature. This index is calculated by this formula, where:

- τ denotes test type.
- ρ denotes test importance.
- T denotes total tasks points per feature, which is the sum of all test's product of test type and test importance.

$$T_i = \sum(\tau_i \times \rho_i)$$

$$\zeta_i = \left(\frac{\tau_i \times \rho_i}{T_i}\right) \times 100\%$$

Table A3: Test Case table explanation

Test Case ID	*ID of the test case*	
Test Case Name	*Descriptive name of the test case*	
Priority	*Test Type* τ	*Test Importance* ρ
ζ index	*Zeta Index* ζ	
Requirement Satisfied	*The Requirement associated with the feature. By accomplishing the test you finish* ζ% of the feature.	
Test Scenario	*Situation of the feature that the test is performing*	
Steps	*Steps taken to perform the test.*	
Testing Data	*Input Data used to perform the test. ex: csv, codebase (unit tests)*	
Expected Result	*Expected output from the system*	

Goal is to define a test case that is explained well enough that someone that knows nothing about the system can reproduce the test.