

Problem 6 Unit Testing

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1 General Guidelines

- Test cases are assigned ID for better tracking and readability
- Test cases should be small and precise.
- Each test case is followed by one line statement justifying its description.
- Each test case contains the function name used in the unit test case.
- Test case shall cover all the cases expected.
- Test Case should mention an expected value and actual value.
- Delta values are added for functions dealing with double values.
- Test cases should be self-contained.
- Test case should map to the functional requirement and assumptions.

2 Unit Test case Implementation

- JUnit Testing Framework is used
- Sample Implementation:

ID : TC1

Test Case : description about the test case in JavaDoc format

Association : Associated assumption or Functional Requirement

References

- [1] Unit Testing ,
<https://phauer.com/2019/modern-best-practices-testing-java/>