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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author(s)** |
| 2017-11-21 | 0.1 | Test cases and description added | Elfat Esati |
| 2017-11-30 | 0.2 |  |  |
|  |  |  |  |

# Public API Overview

## Public classes to be tested

|  |  |  |
| --- | --- | --- |
| **Class Names** | **Class Type** |  |
|  |  |  |
|  |  |  |
|  |  |  |

[List of all classes of the public API of your library.]

## Public Routines

|  |  |  |
| --- | --- | --- |
| **Routine Names** | **Expected Argument** |  |
|  |  |  |
|  |  |  |
|  |  |  |

[For each class, list of routines to be tested]

# Test Suite Description

Test Suite also called Validation Suite comprise the sets of test cases. Test Cases help us define or list down all the cases or situations under which the system or library works as expected and comply to a high level of quality. When the test cases represent a scenario for instance login, do something and log out, then the test suite may contain those test cases. Succesful completion of one test case need to happen before we test the next case. When we have identified all the test cases then we need to validate them to ensure the system works correctly with no failures and bugs.

## Individual Tests

### Test Cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **SRS ID** | **Test Case Description** | **Set Up** | **Tear Down** | **Test Data or Situation** | **Expected Result** |
| 2.1.1 | R3.2.5.001 | The functions (classes) of the software library must be already implemented without having to do them explicitely. | Check the effective classes and functions | None | Depending on functions, if they expect argument()s or not. | The functions must either be a query or procedure. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **SRS ID** | **Test Case Description** | **Set Up** | **Tear Down** | **Test Data or Situation** | **Expected Result** |
| 2.1.2 | R3.2.5.002 | The library should be available only for Eiffel Projects. | None | None | The library does not guarantee to work on different Projects or Platforms. | HTML snippets. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **SRS ID** | **Test Case Description** | **Set Up** | **Tear Down** | **Test Data or Situation** | **Expected Result** |
| 2.1.3 | R3.2.1.001 | The library should be able to generate HTML links to be placed in the document. Linking to other parts of the report. The user can specify the link display text. | Html Links to be provided as argument | None | Valid URL for external links and valid targetname for internal links: | HTML hyperlink. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **SRS ID** | **Test Case Description** | **Set Up** | **Tear Down** | **Test Data or Situation** | **Expected Result** |
| 2.1.4 | R3.2.1.002 | The User should be able to reference a Document “B” in another Document “A” to create a link from A to B. | Html Link or document link to be provided as argument | None | Document must be valid and located in the parent directory or in another external html link. | Link must not be broken or invalid. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **SRS ID** | **Test Case Description** | **Set Up** | **Tear Down** | **Test Data or Situation** | **Expected Result** |
| 2.1.5 | R3.2.1.003 | A Document should reference external pages referenced by a URL. | Provide html Link for external pages | None | No | Link must not be broken or invalid. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **SRS ID** | **Test Case Description** | **Set Up** | **Tear Down** | **Test Data or Situation** | **Expected Result** |
| 2.1.6 | R3.2.1.004 | An image should be generated by using a remote URL (http / ssl). | Provide html Link for external pages | None | No | Link must not be broken or invalid. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **SRS ID** | **Test Case Description** | **Set Up** | **Tear Down** | **Test Data or Situation** | **Expected Result** |
| 2.1.7 | R3.2.1.005 | An image should be generated by using a local file reference. | Provide image link. Image must exists located in main directory. | None | Image | Image must be shown or generated. |

For each individual test:

• Routine(s) or other functionality under test

• Set-up if any

• Tear-down if any

• Test data

• Any other resources

• Oracle:

(By default: postcondition)

(By default: other exceptions, e.g. precondition)

Expected results if any

# Expected Coverage

[What is the coverage you expect given your system and the individual tests you described?]

# Benchmarks

[Any other (non-functional) properties to be measured, e.g. execution time]