***<TEAM LOGO GOES HERE>***

# *Software Engineering Test Plan Document: Iteration [x]*

*Author(s)*
*Affiliation*
*Web Address*
*Date*

# Revisions

| Version | Primary Author(s) | Description of Version | Date Completed |
|---|---|---|---|
| Draft Type and Number | Full Name | Information about the revision. This table does not need to be filled in whenever a document is touched, only when the version is being upgraded. | 00/00/00 |

# Review & Approval

**Test Plan Document Approval History**

| Approving Party | Version Approved | Signature | Date |
|---|---|---|---|
| **Dr. T. L. Lewis** | | | |
| **Customer** | | | |

**Iteration Document Review History**

| Reviewer | Version Reviewed | Signature | Date |
|---|---|---|---|
| **Group Member** | | | |
| **Group Member** | | | |
| **Group Member** | | | |
| **Group Member** | | | |
| **Group Member** | | | |

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# 1 Introduction

## 1.1 Iteration Overview

*The introduction contains a statement about the component or feature for which the tests are being specified (the general overview of the current iteration). Also mention any assumptions you are basing the test plan on.*

***Guidelines:***

- *Each component is executed in a context: the kind of inputs expected and results produced. Because a system comprises many interdependent components, use this section to clearly indicate exactly what is being tested.*
- *Assumptions include version information, execution environment, etc.*

## 1.2 Definitions and Abbreviations

*A table of definitions used in this document. For example, for the table in Section 3, the following definitions could appear.*

| **Term** | **Definition** |
|---|---|
| *Test #* | Test Case Number / Identifier |
| *Requirement* | Requirement that the test cases are validating (number / identifier) |
| *Action* | Action to perform or input to produce |
| *Expected Result* | Result expected when action is complete |
| *Actual Result* | What was actually seen |
| *P / F* | Pass / Fail indicator. Checkmark = Pass. "F" = Fail |
| *Notes* | Additional notes, error messages, or other information about the test. |

## 1.3 References

*A list of documents used to create the test plan, including the user stories document and the release planning document.*

## 1.4 Items Not Covered by These Test Cases

*Are there functions/processes that your team listed in the release plan as part of this iteration, but are not tested? List any functions or processes not being tested and why.*

## 1.5 Bug Tracking

*Describe how bugs and enhancement requests will be tracked. This includes some form of database (which may be a text file, spreadsheet, Bugzilla, or actually DBMS). All defects will be logged as they are discovered. Entries in the database should include source, status, person assigned to, and resolution.*

## 1.6 Quality Control

*How are you going to maintain the quality of the testing process? How do you know if you have a good test plan?*

## 1.7 Adequacy Criterion

*How do you know the testing is done? Establish a numeric standard, related to quality, that is used to control the testing process.*

# 2 Test Strategy

## 2.1 Testing Process

*A description of how categories of functional and non-functional requirements will be addressed. How will the testing process be organized (top-down, bottom-up)? Who is responsible for unit/integration for this phase of your project?*

## 2.2 Technology

*Should describe any testing technology you intend to apply or build.*

# 3 Test Cases

*This section details for each test the exact steps necessary to perform the test and the expected results, and provides a section for recording the observed results. This table is the most important section of the document. It comprises both the plan and the results of executing the plan. That is, it is filled in by the test team as the testing process proceeds. Failed tests should result in bug reports.*

| Test # | User Story | Action / Input | Expected Result | Actual Result | P/F | Notes | Date test performed | Tester |
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***Guidelines:***

- *Although the information in the table above indicates that each test comprises a line, actual descriptions may require multiple lines.*
- *The **Test #** can represent a category or set of tests related to a user story. In these situations, add a suffix to the number using small Roman letter. For example, use Test 2.a, Test 2.b, …*
- *All tests should have a specific purpose. For example, a test may evaluate the satisfaction of a specific requirement, in which case, the user story number should be included.*
- *A test (**Action**) may comprise a series of steps. Each step should be specific with regard to relevant user input and data files. That is, the information in this document is a prescription for executing the test.*
- *Some steps may be common to more than one Test. Some Tests may take up where others left off. There is no need to duplicate this content. In these cases, refer in the **Action** section to the **Test #** and Step Numbers that should be performed.*
- ***Expected Results** describe the exact output that should be produced by the test. **Actual Output** is what happened when the test was run. Note that for non-functional tests, the contents of this field might include elapsed time, memory consumed, etc. For failing tests, the output might include information about exceptions raised.*
- ***P/F** denotes Pass / Fail. A test should only pass if its expected output matches its actual output.*
- *The **Notes** field can provide details so that the team can repeat the test in future iterations.*

# 4 Customer Acceptance Testing

*This section details for each test the steps necessary for the customer to perform acceptance testing and the expected results, and provides a section for recording the observed results. This table should be filled in by the customer as the testing process proceeds. Failed tests should result in bug reports.*

Customer Signature: _____

| Test # | User Story | Action / Input | Expected Result | Actual Result | P/F | Notes | Date test performed |
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