<PICK>
Test Plan
Version <1.0>
<04/16/2020>

Test Plan	\<Enter team name here\>	Date	Page
		10/25/2019 4:51 PM	2
Test Plan			

Document Control

Approval

The Guidance Team and the customer shall approve this document.

Document Change Control

Initial Release:	
Current Release:	
Indicator of Last Page in Document:	
Date of Last Review:	
Date of Next Review:	
Target Date for Next Update:	

Distribution List

This following list of people shall receive a copy of this document every time a new version of this document becomes available:

Guidance Team Members:

Customer:

Software Team Members:

Change Summary

The following table details changes made between versions of this document

Version	Date	Modifier	Description

Note: The template presented in this document was taken from:

Donaldson, S., and S. Siegel, *Successful Software Development*. Upper Saddle River, NJ: Prentice Hall, 2001, pp. 321-323.

Note: The template presented in this document was taken from: Donaldson, S., and S. Siegel, *Successful Software Development*. Upper Saddle River, NJ: Prentice Hall, 2001, pp. 321-323 and modified by Humberto Mendoza and Steve Roach.

Supplementary information is from:

Pfleeger, S. *Software Engineering, Theory and Practice*. Upper Saddle River, NJ: Prentice Hall, 1998, p. 365.

Test Plan

TABLE OF CONTENTS

1. Introduction

Section 1 introduces the PICK Tool Test Plan. This introduction includes the purpose and scope of the document, as well as an overview of the PICK system, and establishes the conditions that shall be met to suspend or exit a test. All references applicable to the test plan, including the SRS and SDD, can be found in this section.

1.1. Purpose

The purpose of this Project Test Plan is to formally define the kinds of tests to be run, and the prescuse tests to be run on the PICK Tool system. These tests are an element of producing and ensuring quality software as they pertain to PICK Tool. These tests should identify any errors in PICK Tool, and serve as a basis for removing defects in the system. The end goal is to ensure that the program is correct; that is, the program satisfies the specification.

1.2. Scope

This software release (AKA *Software Version*) encompassed by this test plan includes version 1.0. This version is the version that will be presented to the customer on FINAL PRESENTATION DATE.

1.3. System Overview

<<Describe the system to be exercised by the testing approach specified in the plan. This overview serves to identify aspects of the system operation that will be the focus of the plan's testing approach. This should align with the systems overview of other documents in the project.>>

1.4. Suspension and Exit Criteria

<< "suspension criteria" describes when we suspend testing, to be resumed at a later time. For example, if 40% of the test cases fail, or if any of the critical test cases fail. If there are no suspension criteria, indicate that all tests cases will be executed. "Exit criteria" indicates when testing stops. This could be based on run rate (number of test cases run divided by number of test cases specified) or pass rate (number of test cases passed divided by number of test cases run, or test cases passed divided by number of test cases specified). Nominally, we expect to run all of the specified tests. We want the pass rate to be high. We might specify that all critical tests must pass, and 90% of the non-critical must pass. In general, we want this to be high. >>

1.5. Document Overview

1.5.1. Introduction

Section 1 introduces the PICK Tool Test Plan. This introduction includes the purpose and scope of the document, as well as an overview of the PICK system, and establishes the conditions that shall be met to suspend or exit a test. All references applicable to the test plan, including the SRS and SDD, can be found in this section.

1.5.2. Test Items and Features

<< This section describes the test items (e.g., components, classes, functions or methods) and the features to be tested. It may also list features not to be tested. A class diagram is useful. A table of features is useful. >>

1.5.3. Testing Approach

<<Describe the approach to be used to the test the system. This description includes specifying the types of tests to be performed, e.g., tests designed to exercise system functions one by one; tests designed to exercise sequences of functions that approximate operational use

of the system; tests designed to stress the system to its design and requirements limits. The description lists the specific tests to be performed, but does not give the test steps. For each of these tests, give it a name and specify its objective. Label the criticality of the test cases. >>

1.5.4. Test XX

1.5.5. User Interface Testing

1.5.6. Test Schedule

1.5.7. Other Sections
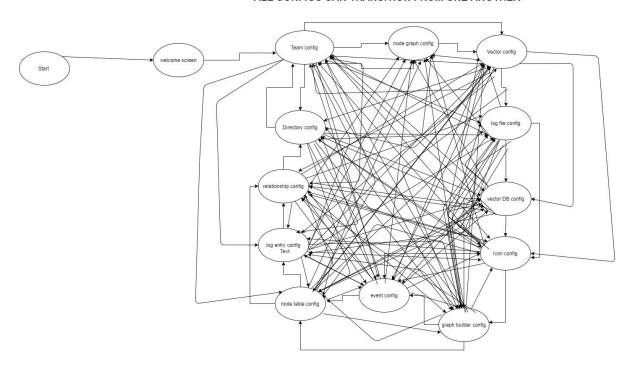
1.5.8. Appendix

1.6. References

<<List all the references applicable to the test plan. Generally, this includes project standards, SRS, SDD, and a product assurance plan.>>

2.   Test Items and Features

<< This section describes the test items (e.g., components, classes, functions or methods) and the features to be tested. It may also list features not to be tested. A class diagram is useful. A table of features is useful. >>

ALL CONFIGS CAN TRANSITION FROM ONE ANOTHER

3.   Testing Approach

<<Describe the approach to be used to the test the system. This description includes specifying the types of tests to be performed, e.g., tests designed to exercise system functions one by one; tests designed to exercise sequences of functions that approximate operational use of the system; tests designed to stress the system to its design and requirements limits. The description lists the specific tests to be performed, but does not give the test steps. For each of these tests, give it a name and specify its objective. Label the criticality of the test cases. >>

Table 1: Test Plan

TEST SUITE 1a		
Description of Test Suite	This will test the GUI interactions with the user	
Test Case Identifier	**Objective**	**Criticality**
1	Transversability between views to another view	high

4.   Test XX

<<The purpose of this section is to:

- ▪ document test input, specific test procedures, and outcomes.
- ▪ establish test methods,
- ▪ explain the nature and extent of each test >>

<< for each test case, complete the following: >>

1.7.   Test 1

Objective: The objective of this test is to show that traversability between views is allowed from any view to another view

Test No.: 1			Current Status: Passed	
Test title: Transversability between views to another view				
Testing approach:This test approach will see if you can navigate to the team configuration view to any other view and back to the team configuration view.				
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS	COMMENTS
1	The user executes the PICK Tool application	Starts PICK Tool session	The system displays the GUI	starts the system
2	The user clicks "accept and continue"	Starts PICK Tool session	The system displays the views of a project	Starts a PICK Tool session
3	The user clicks the tab"event" located in the top center of the window	allows transition to event configuration view	The system displays the view of event configuration	
4	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
5	The user clicks the tab"directory" located in the top center of the window	allows transition to directory configuration view	The system displays the view of directory configuration	
6	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
7	The user clicks the tab"vector" located in the top center of the window	allows transition to vector configuration view	The system displays the view of vector configuration	
8	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	

9	The user clicks the tab"log file" located in the top center of the window	allows transition to log file configuration view	The system displays the view of log file configuration	
10	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
11	The user clicks the tab"filter" located in the top center of the window	allows transition to filter configuration view	The system displays the view of filter configuration	
12	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
13	The user clicks the tab"log entry" located in the top center of the window	allows transition to log entry configuration view	The system displays the view of log entry configuration	
14	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
15	The user clicks the tab"export" located in the top center of the window	allows transition to export configuration view	The system displays the view of export configuration	
16	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
17	The user clicks the tab"change" located in the top center of the window	allows transition to change configuration view	The system displays the view of change configuration	
18	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
19	The user clicks the tab"vector DB" located in the top center of the window	allows transition to vector DB configuration view	The system displays the view of vector DB configuration	
20	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
21	The user clicks the tab"icon" located in the top center of the window	allows transition to icon configuration view	The system displays the view of icon configuration	
22	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
23	The user clicks the tab"graph builder" located in the top center of the window	allows transition to graph builder configuration view	The system displays the view of graph builder configuration	

24	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
25	The user clicks the tab"nodes table" located in the top center of the window	allows transition to node configuration view	The system displays the view of node configuration	
26	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
27	The user clicks the tab"nodes graph" located in the top center of the window	allows transition to node graph configuration view	The system displays the view of node graph configuration	
28	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	
29	The user clicks the tab"relationship" located in the top center of the window	allows transition to relationship configuration view	The system displays the view of relationship configuration	
30	The user clicks the tab"team" located in the top center of the window	allows transition to team configuration view	The system displays the view of team configuration	

Concluding Remarks: This test is really simple to check yet repetitive to check all of the cases.

| Testing Team:
Lead : Alejandro Zamora
Members: Jacob Torres ,Eddy H, Jorge Felix, Matt Montoya | Date Completed: 04/14/2020 |

5.   User Interface Testing

<<This section focuses on the interaction between the user and the system. For testing the user interface, consider the following traits:
- Consistent terminology, shortcut keys, menu selections, and presentation
- Correct language, spelling, and grammar.
- Flexibility in navigation between windows and interface elements.
- Error handling that will inform user of critical operations.
- Follows standards and guidelines such as placement of scroll bars, windows, and menu items.

This section could be integrated into Section 4.
>>

6. Test Schedule

<< Specify the schedule for testing activities. A table with the order and completion dates of the tests is useful. The table below might be useful.>>

Task and date	People	Description
04/14/2020	Jacob Torres ,Eddy H, Jorge Felix, Matt Montoya, Alejandro Zamora	Transversability between views to another view

7.   Other Sections

<< Other sections that may appear in a test plan (but not required for this course) are:

- ▪ Test Management Requirements: how testing is to be managed; a delineation of responsibilities of each project organization involved with testing
- ▪ Staffing and training needs: delineate the responsibilities of those individuals who are to perform the testing, level of skill required, and training to be provided
- ▪ Environmental Requirements: describe the hardware (including communication and network equipment) needed to support testing; describe configuration of hardware components on which software and database to be tested are to operate.
- ▪ Software Requirements: describe the software needed to support testing; include the software code and databases that are object of the testing. Also include software tools such as compilers, CASE instruments and simulators that are needed to model the user's operational environment.
- ▪ Risk and contingencies
- ▪ Cost: include an estimate of costs.
- ▪ Approvals
- ▪ Test Deliverables

>>

8. Appendix

<< possibly more readable to put the expected output here and refer to it in the previous sections. Might also provide explicit directions for analysis of output, if it's easier to read as an appendix or if analysis is post execution. >>