Project 1 Issue Manager System Test Plan

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Introduction

There are 5 system-level black box tests. They will test the functionality of the IssueManager project which will in turn work on the various classes found in the project such as Issue, IssueList, IssueManager and so on. The purpose of these test is to test the requirements of the project along with locating bugs that could be discovered through the test cases.

To run the tests:

- 1. Right click on IssueManagerGUI class in the Package Explorer.
- 2. Select Run As > Java Application

All tests files are located in the test-files/ folder and the contents of the files used in testing are below:

issue1.txt

*1, New, Enhancement, Issue description, , false, -[New] Note 1 *3, Confirmed, Bug, Issue description, , true, -[New] Note 1 -[Confirmed] Note 2 that goes on a new line *7, Working, Bug, Issue description, owner, true, -[New] Note 1 -[Confirmed] Note 2 -[Working] Note 3 *14, Verifying, Enhancement, Issue description, owner, false, Fixed -[New] Note 1 -[Working] Note 2 that goes on a new line -[Verifying] Note 3 *15, Closed, Enhancement, Issue description, owner, false, WontFix -[New] Note 1 that goes on a new line -[Working] Note 2 -[Verifying] Note 3 -[Working] Note 4 -[Closed] Note 6

Test ID	Description	Expected Results	Actual Results
Test ID Test 1: Load Valid file of Issues	Description Preconditions: None 1. Run IssueManagerGUI 2. Click "File" in the top left corner of the GUI 3. Click "Load"	- GUI can load - Table should have the following 5 issues in the format under their respective columns (Issue ID, Issue State,	- GUI loads - The main table in the GUI displays the following information in the columns Issue ID, Issue State, Issue Type,
	4. Browse to "test-files" and then select "issue1.txt"5. Click Open6. Check Results	Issue Type, Summary): 1. 1, New, Enhancement, Issue Description 2. 3, Confirmed, Bug, Issue Description	and Summary: - 1, New, Enhancement, Issue Description - 3, Confirmed, Bug, Issue Description - 7, Working, Bug, Issue
		 7, Working, Bug, Issue Description 14, Verifying, Enhancement, Issue Description 15, Closed, 	Description - 14, Verifying, Enhancement, Issue Description - 15, Closed, Enhancement, Issue

		Enhancement, Issue Description	Description
Test 2: Edit the 1 st Issue loaded in by "test- files/issue1.txt" - Invalid	Precondition: Test 1 1. After loading in the 5 Issues into the table, select "1, New, Enhancement, Issue Description" 2. Click "Edit Selected Issue" 3. In the Command's table toward the bottom, change the Resolution from "Duplicate" to "Won't Fix" 4. Click "Assign" at the bottom 5. Click OK 6. Check Results 7. Click "Cancel"	A pop-up dialogue box saying, "Invalid information." should be displayed	A pop-up dialogue box with the Java logo saying, "Invalid information." was displayed
Test 3: Add an Issue to the file	Precondition: Test 1 1. Click the Add New Issue button 2. Set Issue Type to "Enhancement" 3. Set Issue Summary to "Summary I" 4. Set Issue Note to "Note 1" 5. Click "Add Issue to List"	- Table should have the following 6 issues in the format under their respective columns (Issue ID, Issue State, Issue Type, Summary): 1. 1, New, Enhancement, Issue Description 2. 3, Confirmed, Bug, Issue Description 3. 6, New, Enhancement, Summary 1 4. 7, Working, Bug, Isse Description 5. 14, Verifying, Enhancement, Issue Description 6. 15, Closed, Enhancement, Issue Description	- The main table in the GUI displays the following information in the columns Issue ID, Issue State, Issue Type, and Summary: 1. 1, New, Enhancement, Issue Description 2. 3, Confirmed, Bug, Issue Description 3. 6, New, Enhancement, Summary 1 4. 7, Working, Bug, Issue Description 5. 14, Verifying, Enhancement, Issue Description 6. 15, Closed, Enhancement, Issue Description
Test 4: Deleting the Issue added in Test 3	Precondition: Test 2 and Test 3 1. Select the Issue: 6, New, Enhancement, Summary 1 (The same Issue created in Test 3) 2. In the section of 6 buttons towards the top of the GUI, click "Delete Selected Issue" 3. Check results	- Table should have the following 5 issues in the format under their respective columns (Issue ID, Issue State, Issue Type, Summary): 1. 1, New, Enhancement, Issue Description 2. 3, Confirmed, Bug, Issue Description 3. 7, Working, Bug, Issue Description 4. 14, Verifying, Enhancement, Issue Description 5. 15, Closed, Enhancement, Issue Description	- The main table in the GUI displays the following information in the columns Issue ID, Issue State, Issue Type, and Summary: 1. 1, New, Enhancement, Issue Description 2. 3, Confirmed, Bug, Issue Description 3. 7, Working, Bug, Issue Description 4. 14, Verifying, Enhancement, Issue Description 5. 15, Closed, Enhancement, Issue Description

Test 5: List Enhancements from the loaded file	Preconditions: Test 1 1. Click the "List Enhancements" button 2. Check results	- Table should have the following 5 issues in the format under their respective columns (Issue ID, Issue State, Issue Type, Summary): 1. 1, New, Enhancement, Issue Description 2. 14, Verifying, Enhancement, Issue Description 3. 15, Closed, Enhancement, Issue Description	- The main table in the GUI displays the following information in the columns Issue ID, Issue State, Issue Type, and Summary: 1. 1, New, Enhancement, Issue Description 2. 14, Verifying, Enhancement, Issue Description 3. 15, Closed, Enhancement, Issue Description
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Document Revision History

Date	Author	Change Description
February 17, 2022	Yash Agarwal	Created 5 system test cases
March 10, 2022	Yash Agarwal	Edited 5 system tests and ran them through the IssueManager GUI