# Issue Manager System Test Plan

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## Introduction

The System Test plan provides test cases that exercise several paths through the IssueManager requirements.

To run the tests:

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

## Test Files

Valid\_issues.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

## System Tests

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| --- | --- | --- | --- |
| Test ID | Description | Expected Results | Actual Results |
| Test 1: List Issues (UC4) | Preconditions: Start up is valid   1. Run IssueManagerGUI 2. Click the file button then load 3. Select the file valid\_issues.txt from the file explorer 4. Click **Show All Issues** 5. Check results | IssueManagerGUI loads  All issues are listed along with their ids, state, type, and summary in a list ordered by ID   * 1,New,Enhancement,Issue description * 3,Confirmed,Bug,Issue description * 7,Working,Bug,Issue description * 14,Verifying,Enhancment,Issue description * 15,Closed,Enhancment,Issue description | After loading the file, a table is shown in the Issue Manager GUI. There are 5 issues in the table and it shows the IssueID, Issue State, Issue Type, and Issue Summary for each issue. |
| Test 2: Add Issue- Invalid Fields(UC 7-Missing Fields) | Preconditions: Test 1 has passed   1. Click the **Add New Issue** button 2. Select issue type of bug 3. Under Issue Summary type “This is a test issue” 4. Click **Add Issue to List** 5. Check Results 6. Click **Ok** 7. Check Results | A pop-up dialog stating, “Issue cannot be created.” is displayed. After clicking OK, the suer should be returned to the Add New Issue window | A pop up message box shows up that says “Issue cannot be created” along with an ok button. |
| Test 3: Add Issue (UC7) | Preconditions: Test 1 has passed   1. Click the **Add New Issue** button 2. Select issue type of Bug 3. Under Issue Summary type “This is a new issue” 4. Under Issue Note type “This is a big problem” 5. Click **Add Issue to List** 6. Check Results | The new issue is now added to the IssueManager GUI. The Issue ID should be 16 and added to the end of the List. The issue summary and issue note are also displayed along with the state “New”  Issue manager should look like:   * 1,New,Enhancement,Issue description * 3,Confirmed,Bug,Issue description * 7,Working,Bug,Issue description * 14,Verifying,Enhancment,Issue description * 15,Closed,Enhancment,Issue description * 16,New,Bug,This is a new issue | After adding a new issue, there are now a total of 6 issues in the list. The issue was added to the end of the list with the new state, issue type of bug, and summary. The issue ID is however is showing 1 instead of what I thought should have been 16. |
| Test 4: Delete Issue - No Selection (UC8-No Selection) | Preconditions: Test 1 and Test 3 have passed   1. Make sure that no row in the IssueManagerGUI (if there is a row selected, restart the test) 2. Click **Delete Selected Issue** 3. Check Results 4. Click **OK** 5. Check Results | A pop-up dialog stating “No issue selected.” is displayed. When the user clicks OK, the user is returned to the original list screen with no changes. | A pop up message box shows up that says “No Issue selected.” along with an ok button. |
| Test 5: Delete Issue (UC8) | Preconditions: Test 1 and Test 3 have passed   1. Select the 2nd Row of the IssueManagerGUI (3,Confirmed,Bug,Issue description) 2. Click **Delete Selected Issue** 3. Check results | The 2nd row should be removed from the IssueManagerGUI and all other issues should remain unchanged. Issue manager should look like:   * 1,New,Enhancement,Issue description * 7,Working,Bug,Issue description * 14,Verifying,Enhancment,Issue description * 15,Closed,Enhancment,Issue description * 16,New,Bug,This is a new issue | After deleting the selected row, it is now removed completely from the list. The other issues still remain unchanged. |