

Issue Manager System Test Plan

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Introduction

The System Test plan provides five test cases for the Issue Manager Project. Each test will be repeatable and specific. Each test will demonstrate if the program satisfies major path functionality as described by the requirements.

To run the tests:

1. Right click on IssueManagerGUI class
2. Select Run As > Java Application

All test files are located in the test-files/ folder and the contents of the files used 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
-[Verifying] Note 5
-[Closed] Note 6
```

issue11.txt

*3,Working,Bug,Issue description,owner,false,

-[New] Note 1

-[Confirmed] Note 2

-[Working bugs should be confirmed] Note 3

Test ID	Description	Expected Results	Actual Results
Test 1 LoadValidIssueListFile (UC2) Slundy	Preconditions: none 1. Run IssueManagerGUI 2. Select option from the file menu to load from file, select: test-files/issue1.txt 3. Check results 4. Close GUI	Six buttons are shown labeled "Show All Issues", "List Enhancements", "List Bugs", "Add New Issue", "Delete Selected Issue", and "Edit Select Issue". Four columns are shown labeled "Issue Id", "Issue State", "Issue Type", and "Issue Summary" Five rows are shown with contents listed: 1, New, Enhancement, Issue description. 3, Confirmed, Bug, Issue description 7, Working, Bug, Issue description 14, Verifying, Enhancement, Issue description 15, Closed, Enhancement, Issue description	Six buttons are shown labeled "Show All Issues", "List Enhancements", "List Bugs", "Add New Issue", "Delete Selected Issue", and "Edit Select Issue". Four columns are shown labeled "Issue Id", "Issue State", "Issue Type", and "Issue Summary" Five rows are shown with contents listed as expected in sorted order by Issue ID..
Test 2 LoadInvalidIssueListFile (UC2) Slundy	Preconditions: none 1. Run IssueManagerGUI 2. Select option from the file menu to load from file. 3. Select IssueManager Test Invalid file and select open, select: test-files/issue.11.txt 4. Check results 5. Close GUI	A dialog opens with the message "Unable to load file"	Pop-up dialog with the message "Unable to load file" appears

Test 3 AddValidIssue (UC7) Slundy	Preconditions: none 1. Run IssueManagerGUI 2. Select "Add New Issue" button. 3. Select the Issue Type "Enhancement" from drop down 4. Enter "A new issue" in the test box below Issue Summary. 5. Enter "Something went very wrong...." Into text box below Issue Note. 6. Select "Add Issue to List" button 7. Check results (check notes by selecting row 1 and clicking "Edit Selected Issue") 8. Close GUI	Issue is in the New state with and id of 1, the note is labeled with "[New]" and added as the first note in the note list.	Issue is in the New state with an id of 1 The note is labeled with "[New]" and added as the first note in the note list.
Test 4 AddInvalidIssue (UC7) Slundy	Preconditions: none 1. Run IssueManagerGUI 2. Select "Add New Issue" button. 3. Select the Issue Type "Bug" from drop down 4. Enter "Something went very wrong...." Into text box below Issue Note. 5. Select "Add Issue to List" button 6. Check results 7. Close GUI	A dialog opens with the message "Issue cannot be created"	Pop-up message with statement "Issue cannot be created" is shown
Test 5 EditIssueNewState (UC10) Slundy	Preconditions: Passes Test 1 1. Select row with id of 1 and click "Edit Selected Issue" button 2. Enter "Note 2" in Note textbook 3. Enter "owner" in Owner Id text box. 4. Click the "Assign" button 5. Check results (check notes by selecting row 1 and clicking "Edit Selected Issue") 6. GUI	The note is labeled "[Working]" and is added to the end of the note list for the edited issue. User is returned to the IssueManager list and All issues are listed. Issue ids, state, type, and summary are displayed in a list ordered by id.	The note is labeled "[Working]" and is added to the end of the note list for the edited issue. User is returned to the IssueManager list and All issues are listed. Issue ids, state, type, and summary are displayed in a list ordered by id.

Document Revision History

Date	Author	Change Description