

Issue Manager System Test Plan

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Introduction

This test plan tests the functionality of the Issue Manager System to ensure everything is running correctly. To start, right click on the IssueManagerGUI class and click Run As → Java Application. Then the GUI should open on your device.

Test Files

Use the IssueManager Test File with the following contents:

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*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
```

System Tests

Write at least 5 tests. We will grade the first five. Your tests should consider more complex scenarios than basic system startup and an invalid test file.

Test ID	Description	Expected Results	Actual Results
Test 1: Load Valid Issues	<p>Preconditions: None</p> <ol style="list-style-type: none"> 1. Run IssueManagerGUI. 2. Click the file button and select the option to load from file 3. Select the IssueManager test file (specified above, might also be called issue1.txt) 4. Check results 	<ul style="list-style-type: none"> - IssueManagerGUI loads. - The Issue section populates with the following: <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> - IssueManagerGUI loads - Issue section contains the following: <ul style="list-style-type: none"> - 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
Test 2: Load All Bugs	<p>Preconditions: Test 1 Runs</p> <ol style="list-style-type: none"> 1. Click the List Bugs button 2. Check results 	<ul style="list-style-type: none"> - The Issue section populates with the following: <ul style="list-style-type: none"> • 3, Confirmed, Bug, Issue description • 7, Working, Bug, Issue description, 	<ul style="list-style-type: none"> - Issue manager section contains the following: <ul style="list-style-type: none"> - 3, Confirmed, Bug, Issue description - 7, Working, Bug, Issue description,
Test 3: Delete an Issue – No Selection	<p>Preconditions: Test 1 Runs</p> <ol style="list-style-type: none"> 1. Click the Show All Issues Button 2. Check Results 	<ul style="list-style-type: none"> - After clicking the Show All Issues, the display 	<p>After clicking the show all issues, the IssueManager populates with the following:</p>

	3. Click the Delete Selected Issue Button 4. Check Results 5. Click OK	should be the same as it was in Test 1 - After clicking the Delete Selected Issue Button, a pop-up box should display saying “No issue selected.”	<ul style="list-style-type: none"> - 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 <p>After clicking the deleted selected issue, a pop up displays saying: “No issue selected.”</p>
Test 4: Edit Issue in New State - Enhancement	Preconditions: Test 1 Runs 1. Select Issue 1 (in new state) and click Edit button 2. Check Results 3. Enter “Update Issue” in the note section 4. Assign the owner “Mahika” and click the Assign Button 5. Check Results	<ul style="list-style-type: none"> - An editing view of the GUI should show up - The owner should now be updated to “Mahika” - The Issues state changes to “Working” in the display - The note “Update Issue” has the label of [Working] and is added to the note list - The screen switches back to the IssueManager list 	<p>The GUI shows up with the editing view after clicking the edit selected issue button.</p> <p>The screen switches back to the Issue Manager view and the issue state has now changed to working so that the first issue displays:</p> <p>1, Working, Enhancement, Issue description</p>
Test 5: Edit Issue in Confirmed State with WontFix resolution - Bug	Preconditions: Test 1 Runs 1. Select Issue 3 (in confirmed state) and click Edit button 2. Check Results	<ul style="list-style-type: none"> - An editing view of the GUI should show up - The Issues state changes to “Closed” in the display 	<p>The GUI shows up with the editing view after clicking the edit selected issue button.</p>

	<ol style="list-style-type: none"> 3. Enter "Update Issue" in the note section 4. Select WontFix Resolution and click Resolve 5. Enter resolution reason in note section 	<ul style="list-style-type: none"> - The note "Update Issue" has the label of [Closed] and is added to the note list - The screen switches back to the IssueManager list 	<p>The screen switches back to the Issue Manager view and the issue state has now changed to closed so that the first issue displays:</p> <p>1, Closed, Enhancement, Issue description</p>
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