# WolfTickets System Test Plan

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## Introduction

To run the tests:

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

The WolfTickets GUI will open a window containing the options for creating a new group, loading a group from a file, and saving the group to the file.

In order to load a file, the user has to select the option from the menu to load Group and browse for the desired file in the file chooser displayed.

## Test Files

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

‘group1.txt’

! CSC IT

# Web,5

\* Dr. McLeod website pages won't update.,active

I recently uploaded new versions of pages on my website, but the changes don't show up when I go to the URL.

# Classroom Tech,10

\* EBII 1025 Laptop display won't work,active

The projector will not show my laptop's display in EBII 1025. Using the podium computer works fine.

My laptop shows the extra display, but I only see a black screen on the classroom screen.

\* EBII 1010 Podium monitor won't turn on.,active

The monitor for the podium computer in EBII won't turn on.

\* EBII 1025 Replace lights

Lighting panel 5 in EBII 1025 will need to be replaced soon.

\* LMP 200 update Firefox

The computers in LMP 200 will need Firefox to be updated over the summer.

# Desktop,17

\* Dr. McLeod's computer won't charge.,active

The laptop provided to me won't charge when I plug in the charger.

The charger works for other laptops though.

\* Microphone not detected through docking station.,active

My provided laptop won't detect my microphone when the mic is plugged into the docking station. It works well when I plug it directly into the laptop though.

## 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.

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| --- | --- | --- | --- |
| Test ID | Description | Expected Results | Actual Results |
| Test 1:  Test\_ValidGroupFile  Tests loading a file containing the correct format | Preconditions:  WolfTickets GUI is open.   1. Select “Load Group” 2. Select ‘group1.txt’ and click open. 3. Check results | The system is now populated, and the current category is Active Tickets, which is populated with 5 tickets. | Current Category field is updated to “Active Tickets” and is populated with 5 tickets, them being in the categories Classroom (2), Desktop (2), and Web, which are displayed in alphabetical order. |
| Test 2:  Test\_InvalidEditCategory  Tests attempt at editing the Active Tickets category which is not allowed. | Preconditions:  WolfTickets GUI is open, and Test 1 passed.   1. Select “Load Group” 2. Select ‘valid\_group.txt’ and click open. 3. Click ‘Edit Category’ 4. Check results | A new window pops up displaying the message “The Active Tickets list may not be edited.” | A new window pops up with the message “The Active Tickets list may not be edited.” |
| Test 3:  Test\_ValidAddCategory  Tests user for adding a new category to the already loaded group | Preconditions:  WolfTickets GUI is open, and Test 1 passed.   1. Select “Load Group” 2. Select ‘valid\_group.txt’ and click open 3. Click ‘Add Category’ 4. Enter: ‘Software’ 5. Click OK 6. Check results | In the Current Category drop down “Software” is now listed as the second to last option in between “Web” and “Desktop”. Software is now listed as the current category and displays no tickets. | Current category changes and is now displaying and empty list of tickets under Software. In the current category drop down list, Software shows up after Desktop and before Web. |
| Test 4:  Test\_MarkTicketAsComplete  Tests marking a ticket as complete | Preconditions:  WolfTickets GUI is open, and Test 1 passed.   1. Select “Load Group” 2. Select ‘valid\_group.txt’ and click open 3. Select the “Web” category from the drop-down list. 4. Select the only ticket shown and click the “Complete Ticket” button. 5. Check results | Ticket is removed and the category is now empty. The count for completed tickets is now 6 and count for completed tickets under the Active Tickets category is updated to 1. | Web category is emptied. Number of Completed Tickets is updated to 6. Ticket is no longer displayed under Active Tickets, which now has a number of completed tickets equal to 1. |
| Test 5:  Test\_PriotitizingTicketsInCategory  Tests moving ticket up one in the list using the GUI controls | Preconditions:  WolfTickets GUI is open, and Test 1 passed.   1. Select “Load Group” 2. Select ‘valid\_group.txt’ and click open. 3. Select the “Desktop” category from the drop-down list. 4. Select the second, and last, ticket on the list and click the “Move Up” button. 5. Check results | The ticket moves up and the tickets are now displayed in the following order:  Microphone not detected through docking station.  Dr. McLeod's computer won't charge. | Ticket moves up and they are now displayed with “Microphone not detected through docking station” followed by “Dr. McLeod’s computer won’t charge” |
| Test 6: testloadValidFileWithFullContents  Author: Lalitha Edupuganti | Preconditions: None   1. Run WolfTicketsGUI 2. Select the option from the file menu to load group 3. In the **FileChooser dialog** select: test-files/group1.txt 4. Click Select 5. Check results   Close GUI | The Group Shows: ! CSC IT  Number of Completed Tickets: 0  List of Categories with Tickets in Order with Format (Category|Ticket Title):  Classroom Tech | EBII 1025 Laptop display won't work  Classroom Tech| EBII 1010 Podium monitor won't turn on.  Classroom Tech| EBII 1025 Replace lights  Classroom Tech| LMP 200 update Firefox  Desktop|Dr. McLeod's computer won't charge.  Desktop|The charger works for other laptops though.  Web|Dr. McLeod website pages won't update. | GUI updates and 5 tickets are loaded under the Active Tickets current category, 0 completed tickets, displaying:  Classroom Tech | EBII 1025 Laptop display won't work  Classroom Tech| EBII 1010 Podium monitor won't turn on.  Classroom Tech| EBII 1025 Replace lights  Classroom Tech| LMP 200 update Firefox  Desktop|Dr. McLeod's computer won't charge.  Desktop|The charger works for other laptops though.  Web|Dr. McLeod website pages won't update. |
| Test 7: testSelectCurrentCategory  Author: Lalitha Edupuganti | Preconditions: Test 6 Passes   1. From the dropdown of categories for the current category 2. Select Classroom Tech from the dropdown 3. Check Results   Close GUI | The Group Shows: ! CSC IT  Number of Completed Tickets: 10  List of Categories with Tickets in Order with Format (Category|Ticket Title):  0 | EBII 1025 Laptop display won't work  1| EBII 1010 Podium monitor won't turn on.  2| EBII 1025 Replace lights  3| LMP 200 update Firefox | The GUI is updated, number of completed tickets is updated to 10 and 4 tickets are displayed under the ticket list:  0 || EBII 1025 Laptop display won't work  1 || EBII 1010 Podium monitor won't turn on.  2 || EBII 1025 Replace lights  3 || LMP 200 update Firefox |
| Test 8: testRemoveTicket  Author: Lalitha Edupuganti | Preconditions: Test 7 Passes   1. From the ticket list, select row 2 (Classroom Tech| EBII 1010 Podium monitor won't turn on.) 2. Check Results for Display 3. Click Remove  from the display options 4. Check Results   Close GUI | The Group Shows: ! CSC IT  Number of Completed Tickets: 10  In the Ticket Information:  Ticket Name: EBII 1010 Podium monitor won't turn on.  Active Box is Checked  Ticket Description: The monitor for the podium computer in EBII won't turn on.  After Remove:  List of Categories with Tickets in Order with Format (Category|Ticket Title):  Classroom Tech | EBII 1025 Laptop display won't work  Classroom Tech| EBII 1025 Replace lights  Classroom Tech| LMP 200 update Firefox | The Ticket information part of the GUI is updated, displaying the ticket name “EBII 1010 Podium monitor won't turn on.” Under ticket name, the Active box is checked, and the description reads “The monitor for the podium computer in EBII won't turn on.”.  After removed, ticket is no longer displayed under the list, number of completed tickets has not changed and the list now has 3 tickets with EBII 1025 Laptop display won’t work being followed by EBII 1025 Replace lights. |
| Test 9: testCompleteTicket  Author: Lalitha Edupuganti | Preconditions: Test 8 Passes   1. Select the third ticket from the list (Classroom Tech| LMP 200 update Firefox) 2. Click Complete Ticket 3. Check Results   Close GUI | The Group Shows: ! CSC IT  Number of Completed Tickets: 11  List of Categories with Tickets in Order with Format (Category|Ticket Title):  Classroom Tech | EBII 1025 Laptop display won't work  Classroom Tech| EBII 1025 Replace lights | The number of completed tickets is now updated to 11 and Classroom Tech only has 2 tickets being displayed, with EBII 1025 Laptop display won’t work being followed by EBII 1025 Replace lights, which |
| Test 10: testSaveGroup    Author: Lalitha Edupuganti | Preconditions: Test 4 Passes   1. From the menu, select the option New Group 2. In the dialogue box write “COE IT” 3. Check Results 4. Close GUI | The Group Shows: COE IT  Number of Completed Tickets: 0  List of Categories with Tickets in Order with Format (Category|Ticket Title): | GUI window is updated and now displays the new group created, with 0 completed tickets and no tickets under the ticket list. |