

<Wolf Tasks> System Test Plan

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Introduction

This System Test Plan tests the Wolf Tasks program. Wolf Tasks is a virtual to-do list that organizes individual tasks into task lists, and collects those task lists in a notebook.

To run these tests, right click WolfTasksGUI.java and select **Run As Java Application**

Test ID	Description	Expected Results	Actual Results
T1 Open GUI Author: Michael Golden	Preconditions: None Run the application as described in the introduction Check results	GUI opens with two main panels. The left half of the GUI is labeled "Notebook", the current task list is blank, there are 3 disabled buttons, and the task list table is blank. The right half of the GUI is labeled "Task". The task name and description is blank, and there are 8 disabled buttons.	The GUI is opened with two main panels. The left half is labeled "Notebook" with 3 disabled buttons and an empty task list table. The right panel is labeled "Task" with an empty name and description with 8 disabled buttons.
T2	Preconditions: T1 passes In the top left corner, click File Click New Notebook	The Notebook name is updated to "My Notebook".	A new Notebook called "My Notebook" is created.

<p>Create New Notebook</p> <p>Author: Michael Golden</p>	<p>Enter My Notebook in the resulting pop up window.</p> <p>Click OK</p> <p>Check results</p>	<p>The current task list is "Active Tasks".</p> <p>The number of completed tasks is 0.</p>	<p>The current task list is set to "Active Tasks".</p> <p>The number of completed tasks is 0.</p> <p>The 3 buttons are now able to be clicked.</p>
<p>T3</p> <p>Load Existing Notebook</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 passes</p> <p>In the top left corner, click File</p> <p>Click Load Notebook</p> <p>Select "test-files/notebook1.txt"</p> <p>Click Open</p> <p>Check results</p>	<p>Notebook name is updated to "School".</p> <p>Current Task List is "Active Tasks".</p> <p>Number of completed tasks is 0.</p> <p>There are 5 tasks in the Task table.</p> <p>3 new task lists are created.</p> <p>Tasks are displayed next to their respective task list</p>	<p>Notebook name was updated to "School".</p> <p>Current Task List is set to "Active Tasks".</p> <p>Number of completed tasks is set to 0.</p> <p>There are 5 tasks in the Task table.</p> <p>3 new task lists were created.</p> <p>Tasks displayed with their task list</p>
<p>T4</p> <p>Select Current Task List</p>	<p>Preconditions: T1 and T3 pass</p> <p>Select the dropdown arrow for Current Task List</p> <p>Select CSC 216</p>	<p>Current Task List is set to "CSC 216".</p> <p>Task list table displays 9 tasks in a numbered order</p>	<p>Current Task List is set to "CSC 216".</p> <p>Task list table displays 9 tasks in correct order</p>

Author: Michael Golden	Check results	Number of completed tasks is 35.	Number of completed tasks is 35.
T5 Add Task List Author: Michael Golden	Preconditions: T1, T3 and T4 pass Click Add Task List In the resulting dialogue box, enter My Task List Click OK Check results	New task list "My Task List" is created. "My Task List" is set to the Current Task List. Task list table is empty. The number of completed tasks is 0.	New task list "My Task List" is created. The Current Task List is set to "My Task List". Task list table is empty. The number of completed tasks is 0.
T6 Edit Task List Author: Michael Golden	Preconditions: T1 and T3-T5 pass Click Edit Task List In the resulting dialogue box My Task List 1 Click OK Check results	"My Task List" name is updated to "My Task List 1". "My Task List 1" is the Current Task List. Task list table is empty. The number of completed tasks is 0.	"My Task List" name is updated to "My Task List 1". The Current Task List is set to "My Task List 1". Task list table is empty. The number of completed tasks is 0.
T7 Remove Current Task List	Preconditions: T1 and T3-T6 pass Click Remove Task List Check results	"My Task List 1" is removed from the list of task lists.	"My Task List 1" is removed from the list of task lists.

Author: Michael Golden		<p>“Active Tasks” is set to the Current Task List.</p> <p>The task list table has 5 tasks.</p> <p>The number of completed tasks is 0.</p>	<p>The Current Task List is set to “Active Tasks”.</p> <p>The task list table contains 5 tasks.</p> <p>The number of completed tasks is 0.</p>
<p>T8</p> <p>Add Task</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T7 pass</p> <p>Change current task list to CSC 216</p> <p>Enter New Task in the Task Name field</p> <p>Enter Description in the Task Description Field</p> <p>Click Add/Edit</p> <p>Check results</p>	<p>“CSC 216” is the Current Task List.</p> <p>“New Task” is added to the bottom of the task list table.</p> <p>The task list priority number is 10.</p> <p>The task list table now has 10 tasks.</p> <p>The completed count is 35.</p>	<p>The Current Task List is “CSC 216”.</p> <p>“New Task” is added to the bottom of the task list table.</p> <p>The task list priority number is 10.</p> <p>The task list table now has 10 tasks.</p> <p>The completed count is 35.</p>
<p>T9</p> <p>Add Recurring Task</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T8 pass</p> <p>Enter Recurring in the Task Name field</p> <p>Check the box labeled Recurring</p> <p>Enter Recurring Description in the Task Description Field</p>	<p>“CSC 216” is the Current Task List.</p> <p>“Recurring” is added to the bottom of the task list table.</p> <p>The task list priority number is 11.</p>	<p>The Current Task List is “CSC 216”.</p> <p>“Recurring” is added to the bottom of the task list table.</p> <p>The task list priority number is 11.</p>

	<p>Click Add/Edit</p> <p>Check results</p>	<p>The task list table now has 11 tasks.</p> <p>The completed count is 35.</p>	<p>The task list table now has 11 tasks.</p> <p>The completed count is 35.</p>
<p>T10</p> <p>Add Active Task</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T9 pass</p> <p>Enter Active in the Task Name field</p> <p>Check the box labeled Active</p> <p>Click Add/Edit</p> <p>Check first results</p> <p>Change current task list to Active Tasks</p> <p>Check final results</p>	<p>“CSC 216” is the Current Task List.</p> <p>“Active” is added to the bottom of the task list table.</p> <p>The task list priority number is 12.</p> <p>The task list table now has 12 tasks.</p> <p>The completed count is 35.</p> <p><i>Go back to test description</i></p> <p>Current Task List is changed to “Active Tasks”.</p> <p>“Active Tasks” contains 6 tasks.</p> <p>“Active” is added to the 3rd spot in the task list table.</p>	<p>The Current Task List is “CSC 216”.</p> <p>“Active” is added to the bottom of the task list table.</p> <p>The task list priority number is 12.</p> <p>The task list table now has 12 tasks.</p> <p>The completed count is 35.</p> <p><i>Go back to test description</i></p> <p>Current Task List is changed to “Active Tasks”.</p> <p>“Active Tasks” contains 6 tasks.</p> <p>“Active” is added to the 3rd spot in the task list table.</p>

<p>T11</p> <p>Edit Task</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T10 pass</p> <p>Change current task list to CSC 216</p> <p>Select Task number 10</p> <p>Check first results</p> <p>Change the Task Name field to Different Task</p> <p>Change Task Description field to Pizza</p> <p>Click Add/Edit</p> <p>Check final results</p>	<p>“CSC 216” is the Current Task List.</p> <p>Task in priority spot 10 is selected with the name “New Task”.</p> <p><i>Go back to test description</i></p> <p>Task name field is changed to “Different Task”.</p> <p>Task description field is changed to “Pizza”.</p>	<p>The Current Task List is “CSC 216”.</p> <p>Task in priority spot 10 is selected with the name “New Task”.</p> <p><i>Go back to test description</i></p> <p>Task name field is changed to “Different Task”.</p> <p>Task description field is changed to “Pizza”.</p>
<p>T12</p> <p>Move Task Up</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T11 pass</p> <p>Select Task number 12</p> <p>Click Move Up</p> <p>Check results</p>	<p>Task in priority spot 12 is selected with the name “Active”.</p> <p>“Active” is moved up into spot 11.</p> <p>“Recurring” is moved back into spot 12.</p>	<p>Task in priority spot 12 is selected with the name “Active”.</p> <p>“Active” is moved up into spot 11.</p> <p>“Recurring” is moved back into spot 12.</p>
<p>T13</p> <p>Move Task To Front</p>	<p>Preconditions: T1 and T3-T12 pass</p> <p>Select task number 11</p> <p>Click Move to Front</p> <p>Check Results</p>	<p>Task in priority spot 11 is selected with the name “Active”.</p> <p>“Active” is moved to the front into spot 1.</p>	<p>Task in priority spot 11 is selected with the name “Active”.</p> <p>“Active” is moved to the front into spot 1.</p>

Author: Michael Golden		All other tasks were shifted back 1 spot.	All other tasks were shifted back 1 spot.
T14 Move Task Down Author: Michael Golden	Preconditions: T1 and T3-T13 pass Select task number 1 Click Move Down Check results	Task in priority spot 1 is selected with the name "Active". "Active" is moved back into spot 2. "Read Project 2 Requirements" is moved up into spot 1.	Task in priority spot 1 is selected with the name "Active". "Active" is moved back into spot 2. "Read Project 2 Requirements" is moved up into spot 1.
T15 Move Task to Back Author: Michael Golden	Preconditions: T1 and T3-T14 pass Select Task number 2 Click Move to Back Check results	Task in priority spot 2 is selected with the name "Active". "Active" is moved to the back into spot 12. All other tasks were shifted up 1 spot.	Task in priority spot 2 is selected with the name "Active". "Active" is moved to the back into spot 12. All other tasks were shifted up 1 spot.
T16 Remove Active Task Author: Michael Golden	Preconditions: T1 and T3-T15 pass Select task number 12 Click Remove Check first results Change current task list to Active Tasks Check final results	Task in priority spot 12 is selected with the name "Active". "Active" is removed from "CSC 216". "CSC 216" length is now 11. <i>Go back to test description</i>	Task in priority spot 12 is selected with the name "Active". "Active" is removed from "CSC 216". "CSC 216" length is now 11. <i>Go back to test description</i>

		<p>Change Current Task List to “Active Tasks”.</p> <p>“Active” is removed from “Active Tasks”.</p> <p>“Active Tasks” length is now 5.</p>	<p>Change Current Task List to “Active Tasks”.</p> <p>“Active” is removed from “Active Tasks”.</p> <p>“Active Tasks” length is now 5.</p>
<p>T17</p> <p>Complete Task</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T16 pass</p> <p>Change current task list to CSC 216</p> <p>Select task number 10</p> <p>Click Complete Task</p> <p>Check results</p>	<p>Current Task List is “CSC 216”.</p> <p>Task in priority spot 10 is selected with the name “Different Task”.</p> <p>“Different Task” was removed from “CSC 216”.</p> <p>Length of “CSC 216” is 10.</p> <p>Number of completed tasks is 36.</p>	<p>Current Task List is “CSC 216”.</p> <p>Task in priority spot 10 is selected with the name “Different Task”.</p> <p>“Different Task” was removed from “CSC 216”.</p> <p>Length of “CSC 216” is 10.</p> <p>Number of completed tasks is 36.</p>
<p>T18</p> <p>Complete Recurring Task</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T17 pass</p> <p>Select task number 10</p> <p>Click Complete Task</p> <p>Check Results</p>	<p>Current Task List is “CSC 216”.</p> <p>Task in priority spot 10 is selected with the name “Recurring”.</p> <p>Length of “CSC 216” is still 10.</p>	<p>Current Task List is “CSC 216”.</p> <p>Task in priority spot 10 is selected with the name “Recurring”.</p> <p>Length of “CSC 216” is still 10.</p>

		Number of completed tasks is 37.	Number of completed tasks is 37.
<p>T19</p> <p>Clear Task Info</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T18 pass</p> <p>Select task number 10</p> <p>Click Clear Task Information</p> <p>Check Results</p>	<p>Task in priority spot 10 is selected with the name "Recurring".</p> <p>"Recurring" is deselected and the task fields are cleared.</p>	<p>Task in priority spot 10 is selected with the name "Recurring".</p> <p>"Recurring" is deselected and the task fields are cleared.</p>
<p>T20</p> <p>Remove Cloned Task</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T19 pass</p> <p>Select task number 10</p> <p>Click Remove</p> <p>Check Results</p>	<p>Task in priority spot 10 is selected with the name "Recurring".</p> <p>"Recurring" is removed from "CSC 216".</p> <p>"CSC 216" length is now 9.</p>	<p>Task in priority spot 10 is selected with the name "Recurring".</p> <p>"Recurring" is removed from "CSC 216".</p> <p>"CSC 216" length is now 9.</p>
<p>T21</p> <p>Invalid Add</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>Click Add/Edit</p> <p>Check Results</p>	<p>Error pop-up window with message "Incomplete task information."</p>	<p>Error pop-up window with message "Incomplete task information."</p>

<p>T22</p> <p>Invalid Remove</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>Click Remove</p> <p>Check Results</p>	<p>Error pop-up window with message "Incomplete index."</p>	<p>Error pop-up window with message "Incomplete index."</p>
<p>T23</p> <p>Invalid Complete</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>Click Complete Task</p> <p>Check Results</p>	<p>Error pop-up window with message "Incomplete index."</p>	<p>Error pop-up window with message "Incomplete index."</p>
<p>T24</p> <p>Invalid Move Up</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>Click Move Up</p> <p>Check Results</p>	<p>Error pop-up window with message "Incomplete index."</p>	<p>Error pop-up window with message "Incomplete index."</p>
<p>T25</p> <p>Invalid Move Down</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>Click Move Down</p> <p>Check Results</p>	<p>Error pop-up window with message "Incomplete index."</p>	<p>Error pop-up window with message "Incomplete index."</p>

<p>T26</p> <p>Invalid Move to Front</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>Click Move To Front</p> <p>Check Results</p>	<p>Error pop-up window with message "Incomplete index."</p>	<p>Error pop-up window with message "Incomplete index."</p>
<p>T27</p> <p>Invalid Move to Back</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>Click Move To Back</p> <p>Check Results</p>	<p>Error pop-up window with message "Incomplete index."</p>	<p>Error pop-up window with message "Incomplete index."</p>
<p>T28</p> <p>Add Incomplete Task</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>Check the box marked Recurring</p> <p>Click Add/Edit</p> <p>Check Results</p>	<p>Error pop-up window with message "Incomplete task information."</p>	<p>Error pop-up window with message "Incomplete task information."</p>
<p>T29</p> <p>Save Notebook</p> <p>Author: Michael Golden</p>	<p>Preconditions: T1 and T3-T4 pass</p> <p>In the top left corner, click File</p> <p>Click Save Notebook</p> <p>Select the test-files folder</p>	<p>File with the name "test_GUI_output.txt" is saved to the "test-files" folder.</p> <p>"test_GUI_output.txt" matches "notebook1.txt".</p>	<p>"test_GUI_output.txt" is created in correct folder</p> <p>The contents of "test_GUI_output.txt" matches the contents of "notebook1.txt"</p>

	Type test_GUI_output.txt Click Save Check Results		
T30 Quit Wolf Tasks Author: Michael Golden	Preconditions: T1 and T3 pass Click File in the top left corner Click Quit Check first results Select “test-files/test_GUI_output.txt” Click Save Check final results	File explorer should open, the program should not quit right away <i>Go back to test description</i> The Program closes and terminates execution “test_GUI_output.txt” matches “notebook1.txt”.	File explorer opens <i>Go back to test description</i> The Program closes and terminates execution The contents of “test_GUI_output.txt” matches the contents of “notebook1.txt”.

Document Revision History

Date	Author	Change Description
4/20/21	Michael Golden Owen Loker	Added tests 1-28
4/21/21	Michael Golden	Added tests 29-30