

# Wolf Tasks System Test Plan

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## Introduction

This system test plan tests the Wolf Tasks system, which provides a “to-do list application” for users to track, organize, and manage a detailed list of their daily to-do tasks. This System Test Plan helps check for errors or missing interface function within the Wolf Tasks systems by providing test cases to run on the GUI of the program.

To run the tests in the System Test Plan:

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

All test files can be found in the test-files/ folder. To load a test file, the user must select File > Load in the WolfTasksGUI, allowing a dialog box to open that allows the choosing of the file.

The contents of the files used in testing (*notebook1.txt*) are listed below:

```
! School
# CSC 216,35
* Read Project 2 Requirements
Read Project 2 requirements
(https://pages.github.ncsu.edu/engr-csc216-staff/CSC216-SE-Materials/projects/project2/project2-part1.html)
and identify candidate classes and methods.
* Create CRC Cards,active
Identify the key classes and create CRC cards. Note
responsibilities, collaborators, and possible state.
* Transfer CRC Cards to UMLetino
Start creating a UML class diagram from the requirements
* Download design proposal and rational template
See (https://pages.github.ncsu.edu/engr-csc216-staff/CSC216-SE-Materials/projects/project2/project2-part1.html)
for template link
* Write design proposal and rationale
Start with UML class diagram description. Incorporate feedback
from Project 1.
* Identify 5 system tests
Consider 5 major paths through the system when working with
notebooks, task lists, and tasks. How would I use the system
to keep track of my tasks?
* Watch lecture,recurring,active
Keep up with lectures each week (watch videos if needed)
* Complete exercises,recurring
Complete exercises by Sunday at 11:45pm each week
* Complete quizzes,recurring
Weekly quizzes open Thursdays at 3pm and close Mondays at 11:30am
(all times Eastern)
# CSC 226,23
* Homework 7
- Review the assignment
- Schedule time to work on the assignment
```

Don't forget to submit!

- \* Homework 8
- Review the assignment
- Schedule time to work on the assignment

Don't forget to submit!

- \* Homework 9
- Review the assignment
- Schedule time to work on the assignment

Don't forget to submit!

- \* Homework 10
- Review the assignment
- Schedule time to work on the assignment

Don't forget to submit!

- \* Go to lecture, recurring, active

Watch lectures associated with HW7 by March 31

# Habits, 0

- \* Exercise, active, recurring

Exercise every day.

Alternate between cardio and weight training

- \* Floss, recurring, active

Floss when brushing my teeth before bed!

Test ID	Description	Expected Results	Actual Results
Test 1: loadFromValidFile  <b>Loads a list of tasks from a valid file [UC2]</b>	<b>Preconditions: None</b>  1. Open Eclipse  2. Run WolfTasksGUI as a Java Application  3. Click <b>File</b> in the Wolf Tasks GUI  4. Click <b>Load Notebook</b> from the drop-down menu  5. A FileChooser dialog box should open. In the Load Course Catalog FileChooser dialog box select: test-files/notebook1.txt  6. Click <b>Select</b>  7. <i>Check results</i>  8. Close GUI	<b>WolfTasksGUI Loads</b>  The Wolf Tasks program populates with 3 task lists that are that are ordered alphabetically. The first task list is "CSC 216" and contains 9 tasks. The second task list is "CSC 226" and contains 5 tasks. The final task list is "Habits" and contains 2 tasks.  The Wolf Tasks program should be on the Active Tasks List with the following tasks listed. <ul style="list-style-type: none"> <li>• CSC 216, Create CRC Cards</li> <li>• CSC 216, Watch lecture</li> <li>• CSC 226, Go to lecture</li> <li>• Habits, Exercise</li> <li>• Habits, Floss</li> </ul>	After loading in notebook1.txt, the Task List field displays the Active Tasks which are listed in the following order <ul style="list-style-type: none"> <li>• CSC 216, Create CRC Cards</li> <li>• CSC 216, Watch lecture</li> <li>• CSC 226, Go to lecture</li> <li>• Habits, Exercise</li> <li>• Habits, Floss</li> </ul>
Test 2: addValidTask  <b>Adds a new task to a task list [UC9]</b>	<b>Preconditions: Test 1 passes</b>  1. Click the <b>"Current Task List"</b> dropdown button	When the Add/Edit button is pressed, the task should be added to the end of the list. The Habits task list should	In the Task List field, the priority and title of the task in the Habits Task List are displayed in the following order

	<p>2. In the Current Task List drop down, select <b>"Habits"</b></p> <p>3. In the "Task" panel on the right, enter the following into the text box and check box fields:</p> <ul style="list-style-type: none"> <li>• Task Name: <b>Make my bed</b></li> <li>• Recurring checkbox: <b>Check recurring</b></li> <li>• Active checkbox: <b>Don't check active (Leave blank)</b></li> <li>• Description: <b>Fold blanket, straighten out sheets</b></li> </ul> <p>5. Click the <b>Add/Edit</b> button</p> <p>6. <i>Check results</i></p>	<p>now contain:</p> <ul style="list-style-type: none"> <li>• 1, Exercise</li> <li>• 2, Floss</li> <li>• 3, Make my bed</li> </ul>	<ul style="list-style-type: none"> <li>• Habits, Exercise</li> <li>• Habits, Floss</li> <li>• Habits, Make my bed</li> </ul>
<p>Test 3: addTaskMissingFields</p> <p><b>Attempts to add an task with a missing field [UC9]</b></p>	<p><b>Preconditions: Test 1 passes</b></p> <p>1. Click the <b>Current Task List dropdown button</b></p> <p>2. In the Current Task List drop down, select <b>"Habits"</b></p> <p>3. In the "Task" panel on the right, enter the following into the text box and check box fields:</p> <ul style="list-style-type: none"> <li>• Task Name: (Leave Blank)</li> <li>• Recurring checkbox: <b>Check recurring</b></li> <li>• Active checkbox: <b>Check active</b></li> <li>• Description: <b>Fold blanket, straighten out sheets</b></li> </ul> <p>5. Click the <b>Add/Edit</b> button</p> <p>6. <i>Check results</i></p> <p>7. Click <b>OK</b></p>	<p>A pop-up dialog stating "Incomplete task information." is displayed.</p> <p>The "Habits" task list contains 3 tasks.</p> <ul style="list-style-type: none"> <li>• 1, Exercise</li> <li>• 2, Floss</li> <li>• 3, Make my bed</li> </ul>	<p>After inputting the following conditions in into the Task field, a Java dialogue box is displayed with the statement "Incomplete task information." The Task List is unchanged and the inputted parameters are still present in the Task field</p>
<p>Test 4: markTaskAsCompleted</p> <p><b>Marks an active, recurring task as completed [UC12]</b></p>	<p><b>Preconditions: Test 1 passes</b></p> <p>1. Select the fourth task in the list of tasks on the left (Habits, Exercise)</p> <p>2. In the Task pane, click the <b>Complete Task</b> button</p> <p>3. <i>Check results</i></p> <p>4. Click the <b>Current Task List dropdown button</b></p>	<p>When the task (Habits, Exercise) is selected, the task information should populate in the Task pane on the right.</p> <p>When the Complete Task button is pressed, the Number of Completed Tasks counter at the top of the "Notebook: School" pane should</p>	<p>After marking the Exercise Task as complete, the Task is moved to the bottom of the list since it is recurring. This indicates that Exercise is now the lowest priority Task in the Habits Task List.</p>

	<p>5. In the Current Task List drop down, select <b>"Habits"</b></p> <p>6. <i>Check results</i></p>	<p>increment from 0 to 1. The active list should now have five tasks with the (Habits, Exercise) task at the bottom:</p> <ul style="list-style-type: none"> <li>• CSC 216, Create CRC Cards</li> <li>• CSC 216, Watch lecture</li> <li>• CSC 226, Go to lecture</li> <li>• Habits, Floss</li> <li>• Habits, Exercise</li> </ul> <p>When the Habits task list is selected, the Number of Completed Tasks counter at the top should show 1. The Habits task list should now have three tasks in the following order:</p> <ul style="list-style-type: none"> <li>• 1, Floss</li> <li>• 2, Make my bed</li> <li>• 3, Exercise</li> </ul>	<p>Additionally, the "Number of Completed Tasks" field is updated from 0 to 1.</p>
<p>Test 5: removeTaskFromList</p> <p><b>Removes a task from the task list [UC11]</b></p>	<p><b>Preconditions: Test 1 and 2 pass</b></p> <p>1. Click the <b>Current Task List dropdown button</b></p> <p>2. In the Current Task List drop down, select <b>"Habits"</b></p> <p>3. Select the second task in the list of tasks on the left (Habits, Make my bed)</p> <p>4. In the Task pane, click the <b>Remove</b> button</p> <p>5. <i>Check results</i></p>	<p>When the task (Habits, Make my bed) is selected, the task information should populate in the Task pane on the right.</p> <p>When the remove button is pressed, the task should be removed from the list of tasks. The Habits tasks list should now have two tasks in the following order:</p> <ul style="list-style-type: none"> <li>• 1, Floss</li> <li>• 2, Exercise</li> </ul>	<p>When viewing the Habits Task List, only these two Tasks are shown</p> <ul style="list-style-type: none"> <li>• 1, Floss</li> <li>• 2, Exercise</li> </ul> <p>The Task – 3, Make my bed – was removed from the Habits Task List.</p>

#### Document Revision History

Date	Author	Change Description
03/24/2022	Anika Bhadriraju	• Added five system tests
4/14/2022	Yash Agarwal	• Tested 5 system tests against the WolfTasks application