

# WolfTasks System Test Plan

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## Introduction

As of right now, we have 5 system test plans that will allow us to use test-driven development to create the WolfTasks system. These tests will give us guidelines for how our system should behave, once we have a working program. In the future, more thorough tests will be added to make sure that all parts of our system are working correctly.

To run the tests and the WolfTasks application:

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

When the GUI loads, click File, and then choose to Create a New Notebook or Load a Notebook. If the test calls to Load a Notebook, the file used in these tests are in the test-files folder. The contents of the file used in these tests are 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 video,recurring,active
Keep up with lecture videos each week
* 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!
* Watch lectures,recurring,active
Watch lectures associated with HW7 by March 31
# Habits
* 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
Test1: <b>New Notebook</b> Tyler Strickland	<p><b>Preconditions: None</b></p> <p>Run WolfTasksGUI</p> <p>Click the <b>File</b> menu and select <b>New Notebook</b></p> <p>Enter the name "School"</p> <p>Click <b>OK</b></p> <p><i>Check Results</i></p> <p>Close GUI</p>	<p>WolfTasksGUI loads</p> <p>The name "School" is displayed in the border text and the current task list is Active Tasks</p>	<p>WolfTasksGUI loads</p> <p>The name "School" is displayed in the border text at the top of the screen and the current task list is Active Tasks</p>
Test2: <b>Load Notebook</b> Tyler Strickland	<p><b>Preconditions: None</b></p> <p>Run WolfTasksGUI</p> <p>Click the <b>File</b> menu and select <b>Load Notebook</b>, then select: test-files/notebook1.txt</p> <p>Click <b>Select</b></p> <p><i>Check Results</i></p>	<p>WolfTasksGUI loads</p> <p>The name "School" is displayed in the border text.</p> <p>The Current Task List is the Active Task List</p> <p>The space below shows:</p> <ul style="list-style-type: none"> <li>• CSC 216, Create CRC Cards</li> <li>• CSC 216, Watch lecture video</li> <li>• CSC 226, Watch lectures</li> <li>• Habits, Exercise</li> <li>• Habits, Floss</li> </ul>	<p>WolfTasksGUI loads</p> <p>School is displayed in the border text at the top of the screen</p> <p>The current task list is the Active Tasks</p> <p>The space below shows the same as the expected results and in the same order</p>
Test3: Edit TaskList Tyler Strickland	<p><b>Preconditions: Test 2 has passed</b></p> <p>In the Current Task List dropdown, select <b>CSC 216</b>.</p> <p>Click <b>Edit Task List</b> button</p> <p>Enter the name "Software Development Fundamentals"</p> <p>Click OK</p> <p><i>Check Results</i></p>	<p>The edited TaskList is the current task list, and its tasks are listed in the space below.</p> <p>The current task list dropdown menu is updated with the new TaskList name, in alphabetical order.</p> <p>The tasks in the list remain unchanged.</p>	<p>The edited task list is now the new current task list</p> <p>The current task list drop down is updated and alphabetical order is maintained.</p> <p>The tasks in the list remain unchanged</p>

	Close GUI		
Test4: DeleteActiveTasks Tyler Strickland	<p><b>Preconditions: Test 2 has passed</b></p> <p>If <b>Active Tasks</b> is not already the current task list, in the Current Task List dropdown, select <b>Active Tasks</b>.</p> <p>Click the <b>Remove Task List</b> button</p> <p><i>Check Results</i></p> <p>Close GUI</p>	A pop-up dialog box with the message “The Active Tasks list may not be deleted.” appears on the screen.	An error message with “The Active Tasks list may not be deleted.” appears on the screen.
Test5: AddTaskToTaskList Tyler Strickland	<p><b>Preconditions: Test 2 has passed</b></p> <p>In the Current Task List dropdown, select <b>CSC 216</b>.</p> <p>On the right side of the GUI, in the <b>Task Name</b> box, enter “Turn in P2P1”. Select the <b>Active</b> checkbox. In the <b>Description</b> box, enter “Look over P2P1 design and BBTP and then turn it in to Gradescope”.</p> <p>Click the <b>Add/Edit</b> button.</p> <p><i>Check Results</i></p> <p>In the Current Task List dropdown, select <b>Active Tasks</b>.</p> <p><i>Check Results</i></p> <p>Close GUI</p>	<p>The task is added to the end of the CSC 216 list and the space below now shows:</p> <ul style="list-style-type: none"> <li>• CSC 216, Read Project 2 Requirements</li> <li>• CSC 216 , Create CRC cards</li> <li>• CSC 216, Transfer CRC cards to UMLetino</li> <li>• CSC 216, Download design proposal and rational template</li> <li>• CSC 216, Write design proposal and rationale</li> <li>• CSC 216, Identify 5 system tests</li> <li>• CSC 216 , Watch lecture video</li> <li>• CSC 216, Complete exercises</li> <li>• CSC 216, Complete quizzes</li> <li>• CSC 216, Turn in P2P1</li> </ul> <p>The Active Tasks List now shows in the space below:</p> <ul style="list-style-type: none"> <li>• CSC 216, Create CRC Cards</li> <li>• CSC 216, Watch lecture video</li> <li>• CSC 216, Turn in P2P1</li> <li>• CSC, 226 Watch lectures</li> <li>• Habits, Exercise</li> <li>• Habits, Floss</li> </ul>	<p>The task is added to the end of the task list CSC 216 and the space below now shows</p> <ul style="list-style-type: none"> <li>• CSC 216, Read Project 2 Requirements</li> <li>• CSC 216 , Create CRC cards</li> <li>• CSC 216, Transfer CRC cards to UMLetino</li> <li>• CSC 216, Download design proposal and rational template</li> <li>• CSC 216, Write design proposal and rationale</li> <li>• CSC 216, Identify 5 system tests</li> <li>• CSC 216 , Watch lecture video</li> <li>• CSC 216, Complete</li> </ul>

			<p>exercises</p> <ul style="list-style-type: none"> <li>• CSC 216, Complete quizzes</li> <li>• CSC 216, Turn in P2P1</li> </ul> <p>Which is the same as the expected results</p> <p>The Active Tasks list is updated and now shows:</p> <ul style="list-style-type: none"> <li>• CSC 216, Create CRC Cards</li> <li>• CSC 216, Watch lecture video</li> <li>• CSC 216, Turn in P2P1</li> <li>• CSC, 226 Watch lectures</li> <li>• Habits, Exercise</li> <li>• Habits, Floss</li> </ul> <p>Which is the same as the expected results</p>
<p>Test6: testAddInvalidTaskList Author: Tyler Strickland</p>	<p><b>Preconditions: Test 1 has passed</b></p> <p>Below the Current Task List dropdown, click the <b>Add Task List</b> button</p> <p>Without entering anything in the box, click <b>OK</b></p> <p><i>Check Results</i></p>	<p>An error message with “Invalid name” appears on the screen</p>	
<p>Test7: testAddInvalidTask Author: Tyler Strickland</p>	<p><b>Preconditions: Test 1 has passed</b></p> <p>Below the Current Task List dropdown, click the <b>Add Task List</b> button</p> <p>Enter Homework in the text box and click <b>OK</b></p>	<p>The current task list is now Homework and the current task list dropdown is updated to include the newly created Task List.</p> <p>When trying to add the Task, an error message that says “Incomplete task information”</p>	<p>Homework is the current task list and the dropdown is updated to include Homework</p> <p>Error message that says “Incomplete task information”</p>

	<p><i>Check Results</i></p> <p>In the Task section on the right of the GUI, in the <b>Task Name</b> box, enter ""</p> <p>Click the <b>Active</b> check box</p> <p>In the Task Description box, enter "Complete WebAssign for CSC 226 that is due Friday"</p> <p>Click the <b>Add/Edit</b> button</p> <p><i>Check Results</i></p> <p>Click <b>OK</b></p> <p>Close GUI</p>	appears on the screen.	appears on the screen
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#### Document Revision History

Date	Author	Change Description
4/1/2021	Tyler Strickland	<ul style="list-style-type: none"> <li>Added the system tests and the introduction</li> <li>Completed BBTP</li> </ul>
4/21/2021	Tyler Strickland	<ul style="list-style-type: none"> <li>Added two more system tests</li> <li>Ran the tests to make sure all of them passed</li> <li>Fixed some errors in the implementation causing some test failures</li> </ul>