

CSC 216: Project 2 WolfTasks - System Test Plan

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Introduction

The following System Test Plan outlines several cases for the WolfTasks program. The main focus is checking to see if tasks are properly updated when a user edits, completes, or rearranges priority.

To run the tests:

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

Test Files

File selection in the WolfTasks program is done by clicking the “File” button in the top left of the GUI and selecting the “Load Notebook” option.

valid_record.txt

! 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,recurring,active

Exercise every day.

Alternate between cardio and weight training

* Floss,recurring,active

Floss after brushing my teeth in the evening!

notebook3.txt

School

CSC 216,35

CSC 226,23

* Homework 7

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* Watch lectures,recurring,active

Watch lectures associated with HW7 by March 31

Habits,0

* Exercise,active,recurring

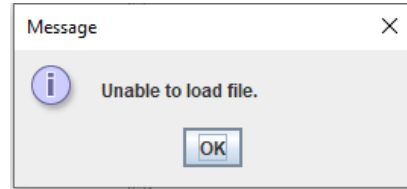
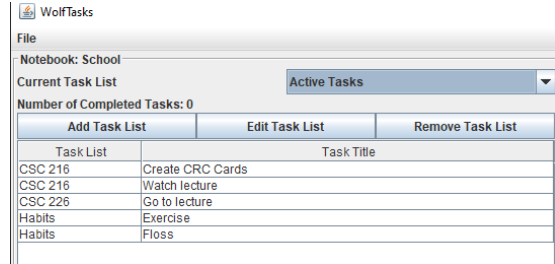
Exercise every day.

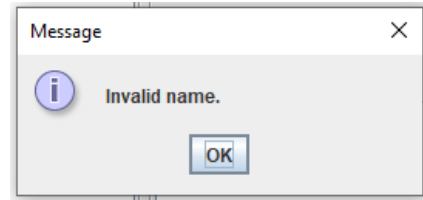
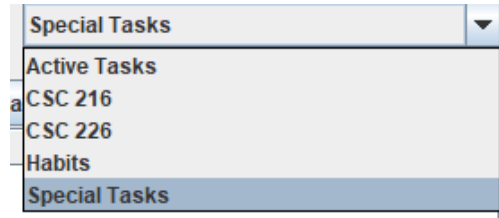
Alternate between cardio and weight training

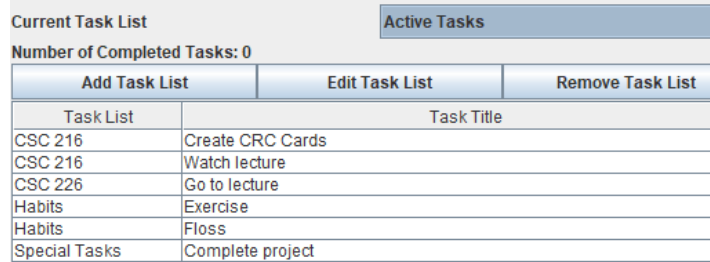
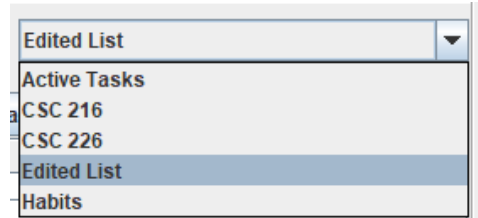
* Floss,recurring,active

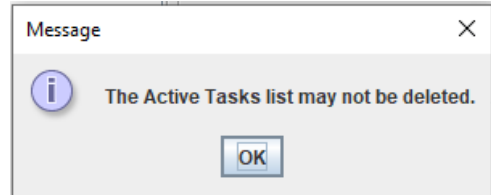
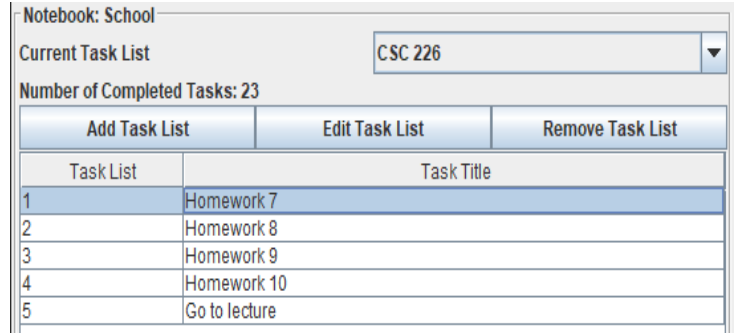
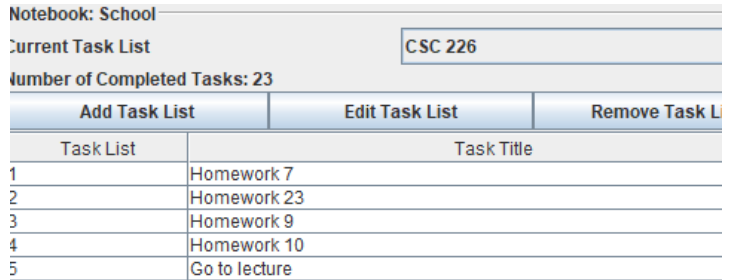
Floss when brushing my teeth before bed!

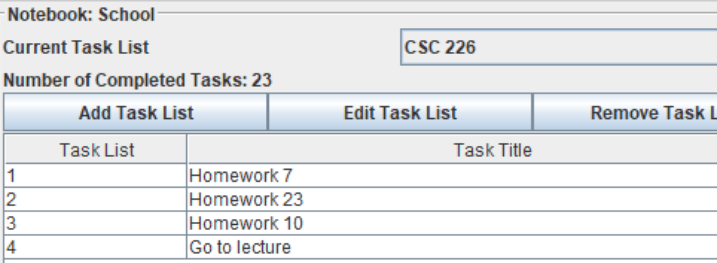
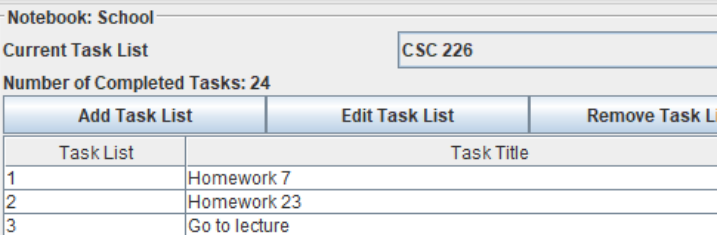
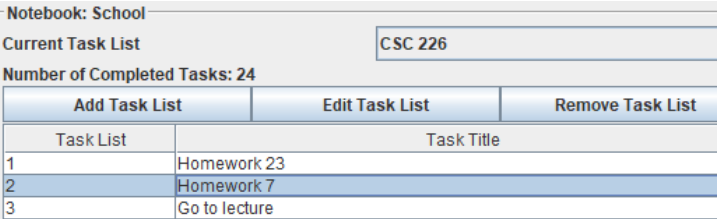
System Tests

Test ID	Description	Expected Results	Actual Results
Test 1: Invalid File (UC2)	<p>Preconditions: None</p> <ol style="list-style-type: none"> 1. Run WolfTasksGUI 2. Click File, then click Load Notebook. 3. Select test-files/notebook3.txt 4. <i>Check results</i> 5. Close GUI 	The invalid file is skipped and not imported to the system. The GUI shows no task list.	<p>Pop-up stating “Unable to load file.”</p>  <p>Notebook is blank.</p>
Test 2: Valid File (UC2)	<p>Preconditions: None</p> <ol style="list-style-type: none"> 1. Run WolfTasksGUI 2. Click File, then click Load Notebook. 3. Select test-files/valid_record.txt 4. <i>Check results</i> 	<p>The WolfTasks GUI displays the School Notebook. The current task list is the Active Tasks. Number of completed tasks is 0. The tasks are the following:</p> <p>CSC 216 - Create CRC Cards CSC 216 - Watch lecture CSC 226 - Go to lecture Habits - Exercise Habits - Floss</p>	<p>WolfTasks GUI shows the Notebook with title of School. Current Task List is Active Tasks, which has 5 tasks in it.</p> 
Test 3: Save File (UC3)	<p>Preconditions: Test 2 passed</p> <ol style="list-style-type: none"> 1. Click File, then click Save Notebook. 2. Select the test-files folder and enter the filename actual_tasks_list.txt (can overwrite if needed) 3. <i>Check results</i> 4. Close GUI 	The contents of actual_tasks_list.txt match valid_record.txt.	Contents of actual_tasks_list.txt and valid_record.txt are the same.

Test 4: Create New Notebook (UC1)	Preconditions: Test 2 passed <ol style="list-style-type: none"> 1. Click File, then click Create New Notebook. 2. When prompted for notebook name, enter "My New Notebook". 3. Click OK. 4. <i>Check results</i> 5. Close GUI 	The previous notebook is replaced by "My New Notebook". The current task list shows Active Tasks.	The previous notebook is replaced by "My New Notebook", which shows Active Tasks as the current task list. Number of completed tasks is 0, and there are no tasks showing.
Test 5: Select New Task List (UC4)	Preconditions: Test 2 passed <ol style="list-style-type: none"> 1. In the current task list drop down menu, select Habits. 2. <i>Check results</i> 3. Close GUI 	The task list only shows Habits-Exercise and Habits-floss.	The task list shows 0 completed tasks, with the 2 habits being Exercise and Floss.
Test 6: Add New Task List (UC5)	Preconditions: Test 2 passed. <ol style="list-style-type: none"> 1. Click Add Task List 2. Enter the name "active tasks" 3. <i>Check results</i> 4. Click OK 5. Click Add Task List 6. Enter the name "Special Tasks" 7. <i>Check results</i> 	<p>Pop-up window with message "Invalid name." is displayed.</p> <p>The Special Tasks list is displayed as the Current Task List. Completed tasks is 0 and there are no tasks in the list. The drop-down menu has Special Tasks list shown at the bottom.</p>	<p>Pop-up window stating "Invalid name." appears.</p>  <p>Current Task List is Special Tasks, which has 0 completed tasks and 0 tasks in the list. Special Tasks is listed at the bottom of the drop-down bar.</p> 

<p>Test 7: Add Task to Current List (UC9)</p>	<p>Preconditions: Test 2 and 6 passed.</p> <ol style="list-style-type: none"> 1. Enter the task name “Complete project” 2. Select the Active box. 3. Enter the description “Finish part 2” 4. Click Add/Edit 5. <i>Check results</i> 6. In the Current Task List dropdown, select Active Tasks 7. <i>Check results</i> 	<p>The Current Task List is Special Tasks and contains the task Complete project - Finish part 2.</p> <p>Active Tasks is now the Current Task List and shows the following:</p> <p>CSC216 - Create CRC Cards CSC216 - Watch lecture video CSC226 - Go to lecture Habits - Exercise Habits - Floss Special Tasks - Complete project</p>	<p>Special Tasks is still the current task list, which now has the task Complete project listed first.</p> <p>The Active Tasks list now shows Complete project task at the bottom:</p> 
<p>Test 8: Edit Task List (UC6)</p>	<p>Preconditions: Test 2 and 7 passed.</p> <ol style="list-style-type: none"> 1. On the Current Task List dropdown, select Special Tasks. 2. Click Edit Task List 3. Enter the name “Edited List” 4. <i>Check results</i> 	<p>The Current Task List shows Edited List. This contains the task Complete project - Finish part 2.</p> <p>The dropdown bar shows Edited List between CSC226 and Habits.</p>	<p>Edited List has the task Complete project and 0 completed tasks.</p> <p>The dropdown bar shows Edited List between CSC 226 and Habits.</p> 
<p>Test 9: Remove Task List (UC7)</p>	<p>Preconditions: Test 2 and 8 passed.</p> <ol style="list-style-type: none"> 1. In the Current Task List dropdown, select Active Tasks 2. Click Remove Task List 3. <i>Check results</i> 4. Click OK 	<p>A pop-up window appears and states “The Active Tasks list may not be deleted.”</p> <p>The Edited List is removed. The task, Complete project, is removed from the Active Tasks list.</p>	<p>Pop-up window stating “The Active Tasks list may not be deleted.” appears.</p>

	<ol style="list-style-type: none"> In the Current Task List dropdown, select Edited List. Click Remove Task List Click Yes <i>Check results</i> 		 <p>Edited List no longer appears in the Current Task List dropdown. The Active Tasks section no longer shows the task Complete project.</p>
Test 10: List Tasks (UC8)	<p>Preconditions: Test 2 passed.</p> <ol style="list-style-type: none"> In the Current Task List dropdown, select CSC 226 <i>Check results</i> 	<p>The Current Task List shows CSC 226, completed task of 23, and the following:</p> <p>CSC 226 - Homework 7 CSC 226 - Homework 8 CSC 226 - Homework 9 CSC 226 - Homework 10 CSC 226 - Go to lecture</p>	<p>Current Task List for CSC 226 shows 23 completed tasks and the following tasks in order.</p> 
Test 11: Edit Task (UC10)	<p>Preconditions: Test 2 and 10 passed.</p> <ol style="list-style-type: none"> Select the line Homework 8 Click Add/edit Change the title to Homework 23 <i>Check results</i> 	<p>The Current Task List shows CSC 226, completed task of 23, and the following:</p> <p>CSC 226 - Homework 7 CSC 226 - Homework 23 CSC 226 - Homework 9 CSC 226 - Homework 10 CSC 226 - Go to lecture</p>	<p>Current Task List for CSC 226 shows 23 completed tasks and the following tasks in order.</p> 

Test 12: Remove Task (UC11)	Preconditions: Test 2 and 11 passed. <ol style="list-style-type: none"> 1. Select the line Homework 9 2. Click Remove 3. <i>Check results</i> 	The Current Task List shows CSC 226, completed task of 23, and the following: CSC 226 - Homework 7 CSC 226 - Homework 23 CSC 226 - Homework 10 CSC 226 - Go to lecture	Current Task List for CSC 226 shows 23 completed tasks and the following tasks in order.  <p>The screenshot shows a software interface for a task list. At the top, it says 'Notebook: School' and 'Current Task List' with a dropdown menu set to 'CSC 226'. Below this, it states 'Number of Completed Tasks: 23'. There are three buttons: 'Add Task List', 'Edit Task List', and 'Remove Task List'. A table below lists tasks with two columns: 'Task List' and 'Task Title'. The tasks are: 1. Homework 7, 2. Homework 23, 3. Homework 10, and 4. Go to lecture.</p>
Test 13: Complete Task (UC12)	Preconditions: Test 2 and 12 passed. <ol style="list-style-type: none"> 1. Select the line Homework 10 2. Click Complete 3. <i>Check results</i> 	The Current Task List shows CSC 226, completed task of 24, and the following: CSC 226 - Homework 7 CSC 226 - Homework 23 CSC 226 - Go to lecture	The Current Task List shows CSC 226, which has 3 tasks in it and 24 completed tasks.  <p>The screenshot shows the same interface as before, but now 'Number of Completed Tasks' is 24. The task list table now only contains three items: 1. Homework 7, 2. Homework 23, and 3. Go to lecture.</p>
Test 14: Prioritize Tasks, Move Up(UC13)	Preconditions: Test 2 and 13 passed. <ol style="list-style-type: none"> 1. Select the line Homework 23 2. Click Move Up 3. <i>Check results</i> 	The Current Task List shows CSC 226, completed task of 24, and the following: CSC 226 - Homework 23 CSC 226 - Homework 7 CSC 226 - Go to lecture	The Current Task List shows CSC 226, which has 3 tasks in it and 24 completed tasks. The task order is the following:  <p>The screenshot shows the task list after moving 'Homework 23' to the top. The 'Number of Completed Tasks' remains 24. The task list table now contains: 1. Homework 23, 2. Homework 7, and 3. Go to lecture.</p>
Test 15: Prioritize Tasks, Move	Preconditions: Test 2 and 14 passed. <ol style="list-style-type: none"> 1. Select the line Homework 7 2. Click Move Down 3. <i>Check results</i> 	The Current Task List shows CSC 226, completed task of 24, and the following: CSC 226 - Homework 23	The Current Task List shows CSC 226, which has 3 tasks in it and 24 completed tasks. The task order is the following:

Down (UC13)		CSC 226 - Go to lecture CSC 226 - Homework 7	<div><div>Notebook: School</div><div>Current Task List<div>CSC 226</div></div><div>Number of Completed Tasks: 24</div><div><div>Add Task List</div><div>Edit Task List</div><div>Remove Task List</div></div><table><tr><th>Task List</th><th>Task Title</th></tr><tr><td>1</td><td>Homework 23</td></tr><tr><td>2</td><td>Go to lecture</td></tr><tr><td>3</td><td>Homework 7</td></tr></table></div>	Task List	Task Title	1	Homework 23	2	Go to lecture	3	Homework 7
Task List	Task Title										
1	Homework 23										
2	Go to lecture										
3	Homework 7										
Test 16: Prioritize Tasks, Move to Front (UC13)	Preconditions: Test 2 and 15 passed. <div><div>1. Select the line Homework 7</div><div>2. Click Move to Front</div><div>3. <i>Check results</i></div></div>	The Current Task List shows CSC 226, completed task of 24, and the following: CSC 226 - Homework 7 CSC 226 - Homework 23 CSC 226 - Go to lecture	The Current Task List shows CSC 226, which has 3 tasks in it and 24 completed tasks. The task order is the following: <div><div>Notebook: School</div><div>Current Task List<div>CSC 226</div></div><div>Number of Completed Tasks: 24</div><div><div>Add Task List</div><div>Edit Task List</div><div>Remove Task List</div></div><table><tr><th>Task List</th><th>Task Title</th></tr><tr><td>1</td><td>Homework 7</td></tr><tr><td>2</td><td>Homework 23</td></tr><tr><td>3</td><td>Go to lecture</td></tr></table></div>	Task List	Task Title	1	Homework 7	2	Homework 23	3	Go to lecture
Task List	Task Title										
1	Homework 7										
2	Homework 23										
3	Go to lecture										
Test 17: Prioritize Tasks, Move to Back	Preconditions: Test 2 and 16 passed. <div><div>1. Select line Homework 7</div><div>2. Click Move to Back</div><div>3. <i>Check results</i></div></div>	The Current Task List shows CSC 226, completed task of 24, and the following: CSC 226 - Homework 23 CSC 226 - Go to lecture CSC 226 - Homework 7	The Current Task List shows CSC 226, which has 3 tasks in it and 24 completed tasks. The task order is the following: <div><div>Notebook: School</div><div>Current Task List<div>CSC 226</div></div><div>Number of Completed Tasks: 24</div><div><div>Add Task List</div><div>Edit Task List</div><div>Remove Task List</div></div><table><tr><th>Task List</th><th>Task Title</th></tr><tr><td>1</td><td>Homework 23</td></tr><tr><td>2</td><td>Go to lecture</td></tr><tr><td>3</td><td>Homework 7</td></tr></table></div>	Task List	Task Title	1	Homework 23	2	Go to lecture	3	Homework 7
Task List	Task Title										
1	Homework 23										
2	Go to lecture										
3	Homework 7										