

Project 2 Part 2 System Test Plan

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Introduction:

The system test plan provides test cases that exercise several paths through the WolfTasks requirements, with a focus

To run the tests:

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

Test Files

WolfTasks Test File

! 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!

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.

Test ID	Description	Expected Results	Actual Results
Test 1: A valid task file is loaded into the interface	<p>Preconditions: None</p> <ol style="list-style-type: none"> 1. Run WolfTasksGUI 2. Press the LoadTaskList button, and select: test-files/notebook1.txt 3. Click Select 4. Check Results 	<p>Step 4 results WolfTasksGUI loads</p> <p>The taskList section contains the school notebook with 3 task lists and various tasks in each task list as shown below:</p> <p>! 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</p>	<p>After loading the notebook1.txt file, "School" is loaded into the UI. The school notebook has 3 task lists excluding the task list. These task lists names are "CSC 216", "CSC 226", and "Habits". All of these task lists have respective tasks in their respective order. In the active task list, there are 5 tasks belonging to CSC 216, 2 belonging to CSC 226, and 1 belonging to CSC 226. All data is loaded correctly and works as expected.</p>

		<p>Complete exercises by Sunday at 11:45pm each week</p> <p>* Complete quizzes,recurring</p> <p>Weekly quizzes open Thursdays at 3pm and close Mondays at 11:30am</p> <p>(all times Eastern)</p> <p># CSC 226,23</p> <p>* Homework 7</p> <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <p>* Homework 8</p> <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <p>* Homework 9</p> <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <p>* Homework 10</p> <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <p>* Go to lecture,recurring,active</p> <p>Watch lectures associated with HW7 by March 31</p> <p># Habits,0</p> <p>* Exercise,active,recurring</p> <p>Exercise every day.</p> <p>Alternate between cardio and weight training</p> <p>* Floss,recurring,active</p> <p>Floss when brushing my teeth before bed!</p>	
<p>Test 2:</p> <p>Changing</p> <p>priority of a</p> <p>Task (UC13)</p>	<p>Preconditions: Test 1 has passed</p> <ol style="list-style-type: none"> 1. The task “Homework 10” under #CSC 226,23 task list is selected 2. The user selects the “move to front” button in the task area of the UI 	<p>Step 3 Results: “Homework 10” task should be at the top of its task list as shown below:</p> <p>! School</p> <p># CSC 216,35</p> <p>* Read Project 2 Requirements</p> <p>Read Project 2 requirements</p>	<p>After selecting the Homework 10 task and clicking the “move to front”, the task is now at the top of the task list and the order is as follows:</p> <p>* Homework 10</p> <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p>

	<p>3. Check results</p> <p>(https://pages.github.ncsu.edu/engr-csc216-staff/CSC216-SE-Materials/projects/project2/project2-part1.html) and identify candidate classes and methods.</p> <ul style="list-style-type: none"> * Create CRC Cards,active <p>Identify the key classes and create CRC cards. Note responsibilities, collaborators, and possible state.</p> <ul style="list-style-type: none"> * Transfer CRC Cards to UMLetino <p>Start creating a UML class diagram from the requirements</p> <ul style="list-style-type: none"> * Download design proposal and rational template <p>See (https://pages.github.ncsu.edu/engr-csc216-staff/CSC216-SE-Materials/projects/project2/project2-part1.html) for template link</p> <ul style="list-style-type: none"> * Write design proposal and rationale <p>Start with UML class diagram description. Incorporate feedback from Project 1.</p> <ul style="list-style-type: none"> * Identify 5 system tests <p>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?</p> <ul style="list-style-type: none"> * Watch lecture,recurring,active <p>Keep up with lectures each week (watch videos if needed)</p> <ul style="list-style-type: none"> * Complete exercises,recurring <p>Complete exercises by Sunday at 11:45pm each week</p> <ul style="list-style-type: none"> * Complete quizzes,recurring <p>Weekly quizzes open Thursdays at 3pm and close Mondays at 11:30am (all times Eastern)</p> <p># CSC 226,23</p> <ul style="list-style-type: none"> * Homework 10 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Homework 7 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Homework 8 <ul style="list-style-type: none"> - Review the assignment 	<ul style="list-style-type: none"> * Homework 7 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Homework 8 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Homework 9 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Go to lecture,recurring,active <p>Watch lectures associated with HW7 by</p> <p>Everything works as expected.</p>
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		<ul style="list-style-type: none"> - 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! * 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 3: Adding a task to current task list (UC9)	<p>Preconditions: Test 1 has passed</p> <ol style="list-style-type: none"> 1. Ensure that Habits, 0 is the current task list 2. In task area of UI, enter task name "Meditate" and active with description "30 minutes daily" 3. Click the add button 4. Check Results 	<p>Step 4 results: The task "Meditate", active with description "30 minutes daily" should be added to the end of the task list "Habits, 0" as shown below.</p> <p>! School</p> <p># CSC 216, 35</p> <p>* Read Project 2 Requirements</p> <p>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.</p> <p>* Create CRC Cards, active</p> <p>Identify the key classes and create CRC cards. Note responsibilities, collaborators, and possible state.</p> <p>* Transfer CRC Cards to UMLetino</p> <p>Start creating a UML class diagram from the requirements</p> <p>* Download design proposal and rational template</p> <p>See (https://pages.github.ncsu.edu/engr-csc216-staff/CSC216-SE-Materials/projects/project2/project2-part1.html) for template link</p> <p>* Write design proposal and rationale</p> <p>Start with UML class diagram description. Incorporate feedback</p>	<p>After entering the new information "Meditate", it resides at the end of the task list as shown below:</p> <p># Habits, 0</p> <p>* Exercise, active, recurring</p> <p>Exercise every day.</p> <p>Alternate between cardio and weight training</p> <p>* Floss, recurring, active</p> <p>Floss when brushing my teeth before bed</p> <p>* Meditate, active</p> <p>30 minutes daily</p> <p>Also, if you change the current task to another task, the new Meditate task is at the end of the task list as well. Everything works as expected.</p>

		<p>from Project 1.</p> <ul style="list-style-type: none"> * Identify 5 system tests <p>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?</p> <ul style="list-style-type: none"> * Watch lecture, recurring, active <p>Keep up with lectures each week (watch videos if needed)</p> <ul style="list-style-type: none"> * Complete exercises, recurring <p>Complete exercises by Sunday at 11:45pm each week</p> <ul style="list-style-type: none"> * Complete quizzes, recurring <p>Weekly quizzes open Thursdays at 3pm and close Mondays at 11:30am (all times Eastern)</p> <p># CSC 226, 23</p> <ul style="list-style-type: none"> * Homework 7 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Homework 8 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Homework 9 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Homework 10 <ul style="list-style-type: none"> - Review the assignment - Schedule time to work on the assignment <p>Don't forget to submit!</p> <ul style="list-style-type: none"> * Go to lecture, recurring, active <p>Watch lectures associated with HW7 by March 31</p> <p># Habits, 0</p> <ul style="list-style-type: none"> * Exercise, active, recurring <p>Exercise every day.</p> <p>Alternate between cardio and weight training</p> <ul style="list-style-type: none"> * Floss, recurring, active <p>Floss when brushing my teeth before bed!</p>	
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		*Meditate, active 30 minutes daily	
Test 4: Remove a Current Task List (UC7)	<p>Preconditions: Test 1 has passed</p> <ol style="list-style-type: none"> 1. Select task list “# CSC 216,35” as the current task list in the notebook interface section 2. Ensure the selected task list is listed in the interface 3. Click the “Remove Task List” button 4. Click the “Yes” confirmation dialog button 5. Check results 	<p>Step 5 results: Entire task list is removed from the notebook including associated and active tasks as shown below:</p> <p>! School # 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!</p>	<p>After removing the task list CSC 216, only 2 options excluding the active tasks are shown below:</p> <p>! School # 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!</p> <p>Everything works as expected!</p>

Test 5: Edit Task List (UC6)	<p>Preconditions: Test 1 has passed</p> <ol style="list-style-type: none"> 1. Select task list “# CSC 216,35” as the current task list in the notebook interface section 2. Click “Edit Task List” in Task interface 3. Edit the new task list name to “ANC 214” 4. “Click the “ok” button 5. Check Results 	<p>Step 5 Results: Task List is changed to “ANC 214,22” is still the first task list in the interface as shown below:</p> <p>! School # ANC 214, 22 * 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</p>	<p>After editing the task list, the name ANC 214 but all of its tasks remain u in the same order as shown below:</p> <p># ANC 214, 22 * 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 meth * Create CRC Cards,active Identify the key classes and create CRC C responsibilities, collaborators, and possi * Transfer CRC Cards to UMLetino Start creating a UML class diagram from requirements * Download design proposal and rationa 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 descriptio feedback from Project 1. * Identify 5 system tests Consider 5 major paths through the syst working with notebooks, task lists, and tasks. How w system to keep track of my tasks? * Watch lecture,recurring,active Keep up with lectures each week (watch needed) * Complete exercises,recurring Complete exercises by Sunday at 11:45p</p>
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		<ul style="list-style-type: none"> - 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! 	<p>* Complete quizzes, recurring</p> <p>Weekly quizzes open Thursdays at 3pm</p> <p>Mondays at 11:30am</p> <p>(all times Eastern)</p> <p>Everything works as expected.</p>
Test 6: Add Task List (UC5)	<p>Preconditions: WolfTasksGUI loads.</p> <ol style="list-style-type: none"> 1. Click the Add Task List button. 2. Type "AAA First List". 3. Click OK. 4. Check the drop-down containing the task lists. 	There should be two options in the drop-down: Active Tasks and AAA First List.	<p>After loading the GUI, creating a new task list by clicking the add task list button with the name "AAA First List", the two options in the task list dropdown are active tasks and AAA First List.</p> <p>Everything works as expected.</p>
Test 7: Add Task List 2 (UC5 – Invalid Name)	<p>Preconditions: GUI loads.</p> <ol style="list-style-type: none"> 1. Click the Add Task List button. 2. Type "Active Tasks". 3. Click OK. 	The error message "Invalid name." should be displayed, after which the tester should be returned to the prompt to change the task list name.	<p>After entering "Active Tasks" when adding a new task list, an error message pop up of "Invalid name" appears due to a duplicate name. The system then reverts you back to main functionality.</p> <p>Everything works as expected.</p>

Test 8: Add Task (UC 9)	<p>Preconditions: test Add Task List passes.</p> <ol style="list-style-type: none"> 1. Select "AAA First List" in the drop-down menu. 2. Enter "First Task" into the box labeled "name." 3. Check the box labeled "Active." 4. Select the Add/Edit button. 5. Enter "Second Task" into the box labeled "name." 6. Check the box labeled "Recurring." 7. Select the Add/Edit button. 	<p>First Task and Second Task should display as tasks in AAA First List.</p>	<p>Both "first task" and "second task" are added to the task list "AAA First List". Only "first task" is added to the active task list.</p> <p>Everything works as expected.</p>
Test 9: Edit Task (UC 10)	<p>Preconditions: tests Add Task List and Add Tasks pass.</p> <ol style="list-style-type: none"> 1. Select "AAA First List" in the drop-down menu. 2. Select "First Task." 3. Add "Edited" to the end of the title. 4. Select the Add/Edit button. 	<p>The tasks First Task Edited and Second Task should now be displayed.</p>	<p>The name "First Task" is changed to "First Task Edited" and remains the first task in the task list. "Second Task" follows the edited task.</p> <p>Everything works as expected.</p>
Test 10: Complete Tasks	<p>Preconditions: tests Add Task List and Add Task pass.</p> <ol style="list-style-type: none"> 1. Select "AAA First List" in the drop-down menu. 2. Select Second Task. 3. Click the Complete Task button. 4. Click First Task Edited. 5. Click the Complete Task button. 	<p>Step 3 results: Second Task should appear at the bottom of the list of tasks.</p> <p>Step 4 results: First Task Edited should be removed from the display.</p> <p>Step 6 results: Active Tasks should be empty and have a Completed count of 1.</p>	<p>After selecting both tasks and clicking the "Complete Task" button, the second task now appears at the bottom of the active tasks list. The first task is removed completely and the active tasks list shows a completed count of 1.</p> <p>Everything works as expected.</p>

	button. 6. Select “Active Tasks” in the drop-down menu.		
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