WolfTasks System Test Plan

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Introduction

This system test plan contains black box tests that test the system as a whole without regard for the actual written code. The test cases navigate through several of the fifteen requirements (UC0-14), emphasizing scenarios that are more complex than simply starting the program or checking an invalid file. The requirement(s) that each test evaluates are labeled under the Test ID.

To run the tests:
1. Right click on the **WolfTasksGUI** class in the Package Explorer window.
2. Select **Run As > Java Application**.

Test Files

notebook1.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,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: Start WolfTasks (UC0), Load Valid Notebook File (UC2)	Preconditions: None
	
	1. Run WolfTasksGUI.
	2. Click **File > Load Notebook**
	3. In the file chooser, select test-files/notebook1.txt
	4. Click **Select**.
	5. *Check results*.
		Step 5 Results:
		● WolfTasksGUI loads.
		  ○ Options appear in the top-left to select the current task list, add a new task list, edit a task list, or remove a task list.
		  ○ The current displayed task list is the "Active Tasks" list.
		● There is a table with headings "Task List" and "Task Title."
			Step 5:
			The GUI loads showing a notebook with the title "School".
			
			There is a drop down with all task lists (Active, CSC 216, CSC 226, & Habits) with Active Tasks being the default list.
			
			3 buttons to Add Task List, Edit Task List, and Remove Task List now show.
			
			In the default list (Active Tasks) there is a table with

		● The following entries are listed under the respective headings in the previous bullet point:
		   ○ CSC 216 | Create CRC Cards
		   ○ CSC 216 | Watch lecture
		   ○ CSC 226 | Go to lecture
		   ○ Habits | Exercise
		   ○ Habits | Floss
			the headings Task List and Task Title. Under these headings are the following values:
			● CSC 216 - Create CRC Cards
			● CSC 216 - Watch lecture
			● CSC 226 - Go to lecture
			● Habits - Exercise
			● Habits - Floss
			
			Task editing system on the right stays the same.
			
			Expected results match actual.

Test 2: Change Current Task List (UC4), Edit Active Task (UC10)	Precondition: Test 1 has passed
	
	1. In the **Current Task List** chooser, select "CSC 216."
	2. Select the task titled "Watch lecture."
	3. *Check results.*
	4. Change the description to "Do this whenever I feel like it."
	5. *Check results.*
		Step 3 Results:
		● The table on the left resets to show the following values:
		   ○ 1 | Read Project 2 Requirements
		   ○ 2 | Create CRC Cards
		   ○ 3 | Transfer CRC Cards to UMLetino
		   ○ 4 | Download design proposal and rational template
		   ○ 5 | Write design proposal and rationale
		   ○ 6 | Identify 5 system tests
		   ○ 7 | Watch lecture
		   ○ 8 | Complete exercises
		   ○ 9 | Complete quizzes
		● 35 is next to "Number of Completed Tasks" above the table.
		● The right side now adjusts to show more details about the task, including its name
			Step 3:
			Table now shows:
			● 1 - Read Project 2 Requirements
			● 2 - Create CRC Cards
			● 3 - Transfer CRC Cards to UMLetino
			● 4 - Download design proposal and rational template
			● 5 - Write design proposal and rationale
			● 6 - Identify 5 system tests
			● 7 - Watch lecture
			● 8 | Complete exercises
			● 9 - Complete quizzes
			
			Above the table and Add/Edit/Remove Task List buttons, it now displays "Number of Completed Tasks: 35"

		("Watch lecture") and description ("Keep up with lectures each week (watch videos if needed)"). ● Buttons appear to add/edit, remove, complete task, clear task information, and move the task up, down, to the top, or to the bottom. Step 5 Results: ● The task was deselected and updated to have the new description.	When a task is selected the right side now shows the task name, "Watch lecture", the task description," Keep up with lectures each week (watch videos if needed)", and a check box for if its recurring or active. It also displays buttons to add/edit the task, remove it, complete it, clear its information, or move it (up/down/to front/to back) Step 5: The watch lecture task is unselected as soon as the add/edit button is selected. If I click on it again it shows the newly updated description. Expected results match actual.

Test 3: Delete Task (UC11)	Precondition: Test 2 has passed
	
	1. Click on the task titled "Complete quizzes."
	2. Select **Remove**.
	3. *Check results.*
		Step 3 Results:
		● The task list no longer shows the CSC 216 | Complete quizzes task.
		● The task list now shows:
		  ○ 1 | Read Project 2 Requirements
		  ○ 2 | Create CRC Cards
		  ○ 3 | Transfer CRC Cards to UMLetino
		  ○ 4 | Download design proposal and rational template
		  ○ 5 | Write design proposal and rationale
		  ○ 6 | Identify 5 system tests
		  ○ 7 | Watch lecture
			Step 3:
			As soon as remove is pressed the CSC 216 - Complete quizzes task is removed from task list so that the list now shows:
			
			● 1 - Read Project 2 Requirements
			● 2 - Create CRC Cards
			● 3 - Transfer CRC Cards to UMLetino
			● 4 - Download design proposal and rational template
			● 5 - Write design proposal and rationale

		○ 8 | Complete exercises	● 6 - Identify 5 system tests ● 7 - Watch lecture ● 8 - Complete exercises Expected results match actual.

Test 4: Move Task to Top of Task List (UC 13)	Precondition: Test 3 has passed
	
	1. Click on the task titled "Identify 5 system tests."
	2. Click **Move to Front**.
	3. *Check results.*
		Step 3 Results:
		● The Name field on the right is set to "Identify 5 system tests."
		● The Description field on the right is set to "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?"
		● The table now includes the entries in the following order:
		  ○ 1 | Identify 5 system tests
		  ○ 2 | Read Project 2 Requirements
		  ○ 3 | Create CRC Cards
		  ○ 4 | Transfer CRC Cards to UMLetino
		  ○ 5 | Download design proposal and rational template
		  ○ 6 | Write design proposal and rationale
		  ○ 7 | Watch lecture
		  ○ 8 | Complete exercises
			Step 3:
			When the task is selected the right side of the menu is filled out.
			
			Shows the name as:
			 "Identify 5 system tests",
			
			Description as:
			 "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?",
			
			Recurring and active are unchecked.
			
			As soon as Move to Front is clicked, the task is moved to the top of the table and now shows the following:
			
			● 1 - Identify 5 system tests
			● 2 - Read Project 2 Requirements
			● 3 - Create CRC Cards
			● 4 - Transfer CRC Cards to UMLetino
			● 5 - Download design proposal and rational template
			● 6 - Write design proposal and rationale
			● 7 - Watch lecture

			● 8 - Complete exercises The task that takes "Identify 5 system tests" place at priority #6 ("Floss") is auto selected. Expected results match actual.
Test 5: Add a Task to Current Task List (UC5)	Preconditions: Test 1 has passed 1. Run WolfTasksGUI. 2. Select the option from the file menu to Load Notebook. 3. Select: **test-files/notebook1.txt** 4. Navigate to CSC 216 task list via drop down and type "**Do P2 STP**" in task name and click the **Add/Edit** button. 5. Check Results 6. Close GUI	Step 5: Notebook should have title: School The CSC 216 task list should have 35 completed tasks and the following tasks listed now: ● 1 | Read Project 2 Requirements ● 2 | Create CRC Cards ● 3 | Transfer CRC Cards to UMLetino ● 4 | Download design proposal and rationale template ● 5 | Write design proposal and rationale ● 6 | Identify 5 system tests ● 7 | Watch lecture ● 8 | Complete exercises ● 9 | Complete quizzes ● 10 | Do P2 STP	Step 5: Loaded notebook has title School When CSC 216 task list is chosen from drop down, it shows that 35 tasks are completed and shows a table with headers Task List - Task Title. After adding the new task, the table is filled as shown: ● 1 - Read Project 2 Requirements ● 2 - Create CRC Cards ● 3 - Transfer CRC Cards to UMLetino ● 4 - Download design proposal and rationale template ● 5 - Write design proposal and rationale ● 6 - Identify 5 system tests ● 7 - Watch lecture ● 8 - Complete exercises ● 9 - Complete quizzes ● 10 - Do P2 STP Expected results match actual.