

Project 2 Part 2 Issue Manager System Test Plan

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Introduction

To run the tests:

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

The FileChooser for the course catalog will load automatically.

All tests files are located in the test-files/ folder and the contents of the files used in testing are below:

Test Files

valid_notebook_file.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: Create New Notebook	Preconditions: None 1. Run WolfTasksGUI. 2. Click File , then Create New Notebook . 3. Enter “School Work” as the notebook name. 4. <i>Check results</i> 5. Close GUI	<ul style="list-style-type: none"> • WolfTasksGUI loads • The Notebook is empty, containing no tasks/tasklists in the table as there are no active tasks. The name of the notebook (School Work) is displayed at the top. 	WolfTasks GUI loaded and appeared on screen. Created a new notebook named “School Work” which is empty and has no tasks, task lists, and no active tasks. Notebook name also is displayed at the note at the GUI.
Test 2: Load Notebook, then Select a TaskList, then Save Notebook	Preconditions: None 1. Run WolfTasksGUI. 2. Click File, then Load , and In the Load Notebook FileChooser dialog select: test-files/valid_notebook_file.txt 3. Click Select 4. <i>Check results</i>	<ul style="list-style-type: none"> • Under the task list table, 5 tasks (active tasks) populate with the correct information listed below for task title and task name: <ul style="list-style-type: none"> ○ CSC 216, Create CRC Cards ○ CSC 216, Watch lecture video ○ CSC 226, Watch lectures ○ Habits, Exercise ○ Habits, Floss 	test-files/valid_notebook_file.txt loaded and School Notebook is opened in the GUI. Under the active tasks tab there are 5 tasks: CSC 216, Create CRC Cards; CSC 216, Watch lecture video; CSC 226, Watch lectures; Habits, Exercise; Habits, Floss. Under the Habits tab there are 2 tasks: 1, Exercise; 2, Floss. After Notebook is saved the contents are unchanged.

	<ol style="list-style-type: none"> Click the Current Task List Drop Down and Select Habits task list. <i>Check results</i> Click File, then Save, and In the Save Notebook FileChooser dialog select: <code>test-files/updated_tasks.txt</code> <i>Check results</i> Close GUI 	<ul style="list-style-type: none"> Under the task list table, 2 tasks populate with the correct information listed below for task title and task name: <ul style="list-style-type: none"> 1, Exercise 2, Floss After saving the issue list to file <code>updated_issues.txt</code>, the file contents will exactly match <code>valid_notebook_file.txt</code> as none of the tasks have been updated. 	
Test 3: Add Task List, Select Task List, Edit Task List, then Remove Task List	<p>Preconditions: Test 1 has passed</p> <ol style="list-style-type: none"> Run WolfTasksGUI. Click File, then Create New Notebook. Enter “School Work” as the notebook name. Click Add Task List, enter “Math” when prompted for the task list name. Click Ok. <i>Check results</i> On the Current Task List dropdown select Math as the Task List, Click Edit Task List. Enter “CSC 226” as the updated name. 	<ul style="list-style-type: none"> After adding Math as a task list, under the Current Task List drop down the Math task list will populate. After editing Math to CSC 226 for the task list name, under the Current Task List the math task list has been deleted, replaced/edited by CSC 226. After removing CSC 226 from the notebook, the current task list is replaced by the active task list. Under the Current Task 	<p>Created a new School Work notebook. Created a new tasklist: Math and it appeared under the current task drop down. Edited task list and renamed it to CSC 226. Under the Current Task List drop down the task list name Math was replaced by CSC 226. Removed the CSC 226 task list and it disappeared from the current task list drop down and left the active task list.</p>

	<p>8. <i>Check results</i></p> <p>9. Verify that the Current Task List is CSC 226. Click Remove Task List.</p> <p>10. Click Yes, for the confirmation pop up.</p> <p>11. <i>Check results</i></p> <p>12. Close GUI</p>	List dropdown CSC 226 will no longer be able to be	
Test 4: Add, Edit, then Remove a Task to a Task List	<p>Preconditions: Test 1,3 have passed</p> <ol style="list-style-type: none"> 1. Run WolfTasksGUI. 2. Click File, then Create New Notebook. 3. Enter “School Work” as the task list 4. Click Add Task List, enter “Math” when prompted for the task list name. Click Ok. 5. On the Current Task List dropdown select Math as the Task List. 6. Under the Task section of GUI: Enter: “CSC 226 Homework” for the task name Enter: “Problems 1-5” for the task description Don’t Click: Recurring or Active 7. Click Add/Edit. 	<ul style="list-style-type: none"> • After adding the task “CSC 226 Homework”, it populates in the table. <ul style="list-style-type: none"> ◦ 1, CSC 226 Homework (as Task List and Task Name). • After editing the task “CSC 226 Homework”, it populates in the table with a changed task name: <ul style="list-style-type: none"> ◦ 1, Discrete Homework Problems (as Task List and Task 	<p>Created a new School Work notebook. Created a new tasklist: Math and it appeared under the current task drop down. Added task CSC 226 Homework with description Problems 1-5 and it appeared in the Math task list as 1, CSC 226 Homework. After selecting the CSC 226 Homework task, I was able to edit the name and description for Discrete Homework problems for the name and Problems 1–7 and the description and it appeared in the Math task list as 1, Discrete Homework Problems. Added task Discrete Textbook Reading with description Chapter 3, Pages 10-12 and it appears under the Math task list as 2, Discrete Textbook Reading. Deleted Discrete Textbook Reading from Math task list and only the</p>

	<p>8. <i>Check results</i></p> <p>9. Select the task we just added to the table (CSC 226 Homework)</p> <p>10. Under the Task section of GUI: Change the title to: "Discrete Homework Problems". Change the description to: "Problems 1-7".</p> <p>11. Click Add/Edit.</p> <p>12. <i>Check results</i></p> <p>13. Under the Task section of GUI: Enter: "Discrete Textbook Reading" for the task name Enter: "Chapter 3, Pages 10-12" for the task description Don't Click: Recurring or Active</p> <p>14. Click Add/Edit</p> <p>15. Select the task we just added to the table (Discrete Textbook Reading)</p> <p>16. Click Remove</p> <p>17. <i>Check results</i></p> <p>18. Close GUI</p>	<p>Name).</p> <ul style="list-style-type: none"> • After adding the task "Discrete Textbook Reading", it populates in the table (2 total tasks): <ul style="list-style-type: none"> ○ 1, Discrete Homework Problems (as Task List and Task Name). ○ 2, Discrete Textbook Reading (as Task List and Task Name). • After deleting the task "Discrete Textbook Reading", it deletes from the table (decreases to 1 total task): <ul style="list-style-type: none"> ○ 1, Discrete Homework Problems (as Task List and Task Name). 	<p>Discrete Homework Problems remains.</p>
Test 5: Prioritize then Complete Task	<p>Preconditions: Tests 1,3,4 have passed.</p> <p>1. Run WolfTasksGUI.</p>		<p>Created a new School Work notebook. Created a new tasklist: Math and it appeared</p>

	<ol style="list-style-type: none"> 2. Click File, then Create New Notebook. 3. Enter “School Work” as the task list 4. Click Add Task List, enter “Math” when prompted for the task list name. Click Ok. 5. On the Current Task List dropdown select Math as the Task List. 6. Under the Task section of GUI: Enter: “Discrete Homework Problems” for the task name Enter: “Problems 1-7” for the task description Don’t Click: Recurring or Active 7. Click Add/Edit. 8. Under the Task section of GUI: Enter: “Discrete Textbook Reading” for the task name Enter: “Chapter 3, Pages 10-12” for the task description Don’t Click: Recurring or Active 9. Click Add/Edit 10. Select the task we just added to the table (Discrete Textbook Reading) 11. Click Move Up 	<ul style="list-style-type: none"> • After prioritizing the task “Discrete Textbook Reading”, it populates in the table (2 total tasks, Discrete Textbook Reading now at top): <ul style="list-style-type: none"> ○ 1, Discrete Textbook Reading (as Task List and Task Name). ○ 2, Discrete Homework Problems (as Task List and Task Name). ○ • After completing the task “Discrete Textbook Reading”, it deletes from the table (decreases to 1 total task): <ul style="list-style-type: none"> ○ 1, Discrete Homework Problems (as Task List and Task Name). • Also, the number of completed tasks in the top left of the GUI will be incremented by 1 (to 1). 	<p>under the current task drop down. Added task Discrete Homework problems with description Problems 1–7 and it appeared in the Math task list as 1, Discrete Homework Problems. Added task Discrete Textbook Reading with description Chapter 3, Pages 10-12 and it appears under the Math task list as 2, Discrete Textbook Reading. Selected Discrete Textbook Reading and clicked Move Up and the Math TaskList displayed as: 1, Discrete Textbook Reading; 2, Discrete Homework Problems. Selected Discrete Textbook Reading and clicked Complete Task and it was removed from the Math task list table which now displayed as 1, Discrete Homework Problems. And the Number of Completed increased by 1.</p>
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	<p>12. <i>Check results</i></p> <p>13. Select the task we just prioritized Discrete Textbook Reading)</p> <p>14. Click Complete Task</p> <p>15. <i>Check results</i></p> <p>16. Close GUI</p>		
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