# WolfTasks System Test Plan

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Date: 21st March 2024

## Introduction

The System Test Plan provides test cases that exercise several paths through the WolfTasks requirements

To run the tests:

Right click on WolfTasksGUI class in the Package Explorer.

Select Run As > Java Application

Provide an overview of your system plan. Describe how a tester would start the system.

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:

*Notebook1.txt*

! School

# CSC 216,35

\* 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!

## Test Files

Prove the contents of any test files that are needed for testing.

## 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: Valid File | Preconditions: NONE  1. Run WolfTasksGUI  2. In the Load Catalog file choose, select:  test-files/Notebook1.txt  3. Click Select  4. Check results  5. Close GUI | WolfTasksGUI loads  Task Catalog contains a notebook named School with current task list as Active Tasks which contains 4 tasks with the name of TaskList and Task Title info:   * CSC 216, Create CRC Cards * CSC 216, Watch lecture video * CSC 226, Go to lecture * Habits, Exercise   Habits, Floss | The GUI presents the Wolf Tasks interface, featuring several interactive buttons. These include options to Add Task List, Edit Task List, and Remove Task List. Additionally, there are various buttons available for modifying individual tasks within the task list. These options include removing tasks, adding tasks, marking tasks as complete, and clearing task information. Moreover, there are buttons to prioritize tasks, facilitating actions such as moving tasks up or down within the list. Wolf Task shows column headings and contains the four correct task lists with their appropriate Task List name and Task Title. |
| Test 2: List Habits tasks | Preconditions: Test 1 passed  1. Click Habits in the Current TaskList drop-down box.  2. Check results  3. Close GUI | WolfTaskGUI loads  Task Catalog contains a notebook named School which contains 2 tasks with the name of TaskList and Task Title info   * 1, Exercise * 2, Flows | The GUI displays two current tasks under the "Habits" Task List. Each task is appropriately labeled with its Task Title and arranged in sorted order. |
| Test 3: Move up a task in Habits task list | Preconditions: Test 2 passed  1. Click on the task with the task title “Floss”  2. Click on Move Up button which can be found in the task details section  3. Check results  4. Close GUI | WolfTaskGUI loads  Task Catalog get updated. Within the School notebook, two tasks are present. The task titled "Floss" is repositioned, moving upwards within the list, resulting in a change of index from 2 to 1:   * 1, Flows * 2, Excersise | The GUI displays two tasks under the “Habits” Task List. With tasks being repositioned resulting in a change in its index within the list. |
| Test 4: Invalid Add a Task List | Preconditions: Test 1 passed  1. Click Add Task List.  2. Click OK button  3. Check results  4. Close GUI | An error message pop up saying “Invalid name” | A pop-up error message appears indicating "Invalid name." |
| Test 5: Remove a Task from a task list | Preconditions: Test 2 passed  1. Click on a task with Task Title “Excercise”  2. Click on the Remove button  3. Check results  4. Close GUI | WolfTaskGUI successfully loads, updating the Task Catalog by reducing the 'Habits' TaskList with the Task Title 'Excercise'. This TaskList now encompasses 1 task, each accompanied by their respective TaskList and Task Title information.   * 1, Flows | The GUI displays a single task with its appropriate Task Title. |