# Project Name System Test Plan

Document Author: Priyanshu Dongre

Date: Nov 20, 2024

## Introduction

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

## Test Files

*Test-files/project1.txt*

! CSC 216 Task Log

# Debugging

# Deployment

# Design

# Documentation

# Implementation

# System Test

# Unit Test

\* Read Project 2 requirements,45,Design

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.

\* Created CRC Cards,27,Design

Identified the key classes and created CRC cards. Noted

responsibilities, collaborators, and possible state.

\* Transfered CRC Cards to UMLetino,35,Design

Started creating a UML class diagram from the requirements

\* Downloaded design proposal and rational template,5,Design

See (https://pages.github.ncsu.edu/engr-csc216/projects/project2/project2-part1.html)

for template link

\* Wrote design proposal and rationale,75,Design

Started with UML class diagram description. Incorporated feedback

from Project 1.

\* Identify 5 system tests,20,System Test

Consider 5 major paths through the system when working with

projects, logs, and tasks. How would I use the system

to keep track of my tasks?

\* Created P2P2 skeleton,48,Implementation

Created the skeleton for P2P2.

\* Added Javadoc,65,Documentation

Javadoced skeleton

\* Implemented & Tested POJO,30,Implementation

Implemented the POJO class. Added unit tests

to make sure everything is correct.

\* Implemented file reader class,35,Implementation

Started implementing the reader class by reading in all the

input file and breaking into top-level tokens.

\* Tested reader class,32,Unit Test

Found a bug in my implementation when breaking the text into

tokens.

\* Debugging Reader Bug,15,Debugging

Debugged my file reader bug.

\* Ran System Tests,20,System Test

Ran system tests on project and recorded actual results. They all

passed!

\* Generated Javadoc,15,Documentation

Generated Javadoc and pushed to GitHub finishing the project!

## 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 |
| Test1: TestAddDuplicateCategoryFromExistingProject | Preconditions: The GUI Works   1. Click on File. 2. Click on Load Project 3. Select file test-files/project1.txt 4. Click Add Category 5. Enter Design | The GUI Updates with the following:  Project Name: CSC 216 Task Log  In CategoryPanel, Current Category is selected as All Tasks, upon clicking it, 7 more categories, arranged in Alphabetical order.  In Statistics Panel, the Number of Logged Tasks are 14.  Min Duration: 5, Max Duration: 75, Average Duration: 33.4  On the right side of the screen, we see all 14 logged Tasks.  Upon Entering The category Name. A Pop-up appears with Invalid name message.  Click Ok | The GUI Updates with the following:  Project Name: CSC 216 Task Log  In CategoryPanel, Current Category is selected as All Tasks, upon clicking it, 7 more categories, arranged in Alphabetical order.  In Statistics Panel, the Number of Logged Tasks are 14.  Min Duration: 5, Max Duration: 75, Average Duration: 33.4  On the right side of the screen, we see all 14 logged Tasks.  Upon Entering The category Name. A Pop-up appears with Invalid name message. |
| Test2:  TestAddDuplicateTaskInCategoryUnitTest | Preconditions: The GUI Works   1. Click on File. 2. Click on Load Project 3. Select file test-files/project1.txt 4. Select Current Category as: Unit Test 5. Under Task Panel, Type the following:  Task Title: Tested reader class Duration: 32 Description: Found a bug in my implementation when breaking the text into tokens. 6. Click Add / Edit 7. Select Current Category Unit Test   <Check Results> | Precondition: The GUI Works  The GUI Updates with the following:  Project Name: CSC 216 Task Log  In CategoryPanel, Current Category is selected as All Tasks, upon clicking it, 7 more categories, arranged in Alphabetical order.  In Statistics Panel, the Number of Logged Tasks are 15.  Min Duration: 5, Max Duration: 75, Average Duration: 33.3  On the right side of the screen, we see all 15 logged Tasks.  In Unit Test, We see two same tasks. | Precondition: The GUI Works  The GUI Updates with the following:  Project Name: CSC 216 Task Log  In CategoryPanel, Current Category is selected as All Tasks, upon clicking it, 7 more categories, arranged in Alphabetical order.  In Statistics Panel, the Number of Logged Tasks are 15.  Min Duration: 5, Max Duration: 75, Average Duration: 33.3  On the right side of the screen, we see all 15 logged Tasks.  In Unit Test, We see two same tasks. |
| Test3: TestGetMostRecentLoggedTasks | Precondition: Test1 & Test2 Passed   1. On the Right-hand side of the screen, Click Most Recent Logged Tasks   <Check Results> | The Logged Tasks Panel is updated in the following way:  Debugging Reader Bug, 15, Debugging  None, , Deployment  Wrote design proposal and rat..., 75, Design  Generated Javadoc, 15, Documentation  Implemented file reader class, 35, Implementation  Ran System Tests, 20, System Test  Tested reader class, 32, Unit Test | The Logged Tasks Panel is updated in the following way:  Debugging Reader Bug, 15, Debugging  None, , Deployment  Wrote design proposal and rat..., 75, Design  Generated Javadoc, 15, Documentation  Implemented file reader class, 35, Implementation  Ran System Tests, 20, System Test  Tested reader class, 32, Unit Test |
| Test4: TestEditCategoryName | Precondition: Test1, Test2 & Test3 Passed   1. Select Current Category as Design 2. Click on Edit Category 3. Type “New Design”   <Check Results>   1. Select Current Category: All Tasks   <Check Results> | The Logged Tasks Panel is updated in the following way:  Read Project 2 requirements, 45, New Design  Created CRC Cards, 27, New Design  Transfered CRC Cards to UMLetino, 35, New Design  Downloaded design proposal and rational template, 5, New Design  Wrote design proposal and rationale, 75, New Design  In All Tasks Logged Task Panel, The following changes were reflected as well. | The Logged Tasks Panel is updated in the following way:  Read Project 2 requirements, 45, New Design  Created CRC Cards, 27, New Design  Transfered CRC Cards to UMLetino, 35, New Design  Downloaded design proposal and rational template, 5, New Design  Wrote design proposal and rationale, 75, New Design |
| Test5: Create Task with No Description | Precondition: Test4 Passed   1. Select Current Category: Debugging 2. Type the Following in Task Panel. Task Title: Test Duration: 9 Description:   <Check Results> | Incomplete Task Information Pop-up appears.  Task is not added. | Incomplete Task Information Pop-up appears.  Task is not added. |