

# Project 2 System Test Plan

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**Date:** 10/25/2022

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## Introduction

The System Test Plan provides test cases that check how the program works through different paths through the System Test Plan Application.

To run the tests:

1. Right click on SystemTestPlansGUI in the Package Explorer
2. Select Run As > Java Application

The FileChooser for the system test plans 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-plans1.txt*

```
! WolfScheduler
# Invalid File,Equivalence Class
* 1. Run WolfScheduler GUI
2. In the Load Course Catalog File Chooser dialog select: testfiles/invalid_course_records.txt
3. Click Select
4. Check Results
5. Close GUI
* WolfSchedulerGUI loads
Course Catalog is empty
My Schedule is empty
Course Details only shows labels
- PASS: everything is empty
- FAIL: courses are listed
- PASS: everything is empty
# Valid File,Requirements
* 1. Run WolfScheduler GUI
2. In the Load Course Catalog File Chooser dialog select: testfiles/_course_records.txt
3. Click Select
4. Check Results
5. Close GUI
* Course catalog contains 13 courses
# Add No Selection,Invalid
* Precondition: Valid File test has passed
1. Make sure that no row in the Course Catalog table is selected
2. Click Add Course
3. Check results
4. Click OK
5. Close GUI
* A pop up dialog stating "No course is selected in the catalog." is displayed.
```

- FAIL: no pop up displays

! PackScheduler

# T24 Add new course,Requirements

\* Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run

1. Enter the following course information:

Course Name: CSC 236

Course Title: Computer Organization and Assembly Language

Course Section: 001

Credits: 3

Instructor Id: lasher

Start Time: 10:15AM

End Time: 11:30AM

Meeting Days: Tuesday & Thursday

Click Add Course

Click OK

\* Course is added to the list in the appropriate location

- PASS: course added (Lab 5)

- FAIL: course not added b/c of invalid course name (Lab 6)

# Invalid course name,Invalid

\* Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run

1. Enter the following course information:

Course Name: CSC236

Course Title: Computer Organization and Assembly Language

Course Section: 001

Credits: 3

Instructor Id: lasher

Start Time: 10:15AM

End Time: 11:30AM

Meeting Days: Tuesday & Thursday

Click Add Course

Click OK

\* Error message: Invalid course name

- PASS: correct error message (Lab 5)

Test ID	Description	Expected Results	Actual Results
Test 1: Start System Test Plan Application  Author: Annabella Jackmore	<b>Preconditions: None</b>  1. Run SystemTestGUI 2. Click <b>Current Test Plan</b> dropdown 3. <i>Check Results</i> 4. Close GUI	<ul style="list-style-type: none"><li>GUI opens and displays the file menu to load and save system test plans</li><li>User can interact with tests and test plans</li></ul>	GUI opened and everything in the expected results was displayed.
Test 2: Test Load System State  Author:	<b>Preconditions: Test 1 has passed</b>  1. Select option from file menu to <b>Load Test Plans</b> 2. Select <b>test-plans1.txt</b> file 3. <i>Check Results</i>	<ul style="list-style-type: none"><li>After clicking the file, the contents of the file are displayed adhering to the designated format</li></ul>	The contents of the file are not displayed but the current test plan name is added to the dropdown.

Annabella Jackmore	4. Close GUI	<ul style="list-style-type: none"> <li>Test plans list is populated with expected files</li> </ul>	
Test 3: Test Save System State  Author: Annabella Jackmore	<b>Preconditions: Test 2 has passed</b>  1. Select option from menu <b>Save Test Plan(s)</b> 2. Select filename <b>"Test Plans 1"</b> 3. <i>Check Results</i> 4. Close GUI	<ul style="list-style-type: none"> <li>System displays file chooser after clicking the Save Test Plan(s) option</li> <li>System saves tests adhering to the designated format</li> <li>System keeps track that file was recently saved</li> </ul>	The drop down exists and the file is saved with empty contents.
Test 4: Test Clear System State  Author: Annabella Jackmore	<b>Preconditions: Test 2 has passed</b>  1. Select option from menu <b>Clear Test Plan(s)</b> 2. <i>Check Results</i> 3. Close GUI	<ul style="list-style-type: none"> <li>After clicking the option, all system test plans and their test are removed</li> <li>empty list of failing tests is created and is current test list</li> </ul>	The drop down exists and a warning is given saying test plans are unsaved. The empty list of failing tests is created and is the current test list.
Test 5: Add New Test Plan	<b>Preconditions: Test 1 has passed</b>  1. Select <b>Add Test Plan</b> option 2. Enter name <b>ProductBacklog</b> 3. Click <b>OK</b> button 4. <i>Check Results</i> 5. Close GUI	<ul style="list-style-type: none"> <li>System trims leading and trailing white spaces if any</li> <li>Test plan is added to list of test plans and the <b>Current Test Plan</b> dropdown is updated to include the new plan</li> <li>New test plan is the current test plan</li> </ul>	Test Plan was added to the list of test plans and the current test plan dropdown now includes the test plan.

#### Document Revision History

Date	Author	Change Description
10/26/2022	Annabella Jackmore	<ul style="list-style-type: none"> <li>Added 5 test cases</li> </ul>