

System Test Plan System Test Plan

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Introduction

The System Test Plan exercises several paths through the System Test Plan program requirements, primarily ensuring that they are met.

To run the tests:

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

The FileChooser for the application will load automatically.

Test Files

test-plans1.txt

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! 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)

System Tests

Test ID	Description	Expected Results	Actual Results
Test 1: Delete Test Plan (UC7)	<p>Preconditions: GUI opened and "test-plans1.txt" has been loaded.</p> <ol style="list-style-type: none"> Click on the Current Plan drop down menu. Select the PackScheduler Test Plan. Click the Remove Test Plan button. <p><i>Check Results</i></p>	<p>After the Remove Test button is pressed, PackScheduler should no longer display in the current test plan drop down. The displayed test plan should also switch to the failing tests list. Ensure that Failing Tests is listed first in the current test plan drop down.</p> <p>The Failing Tests test plan should display as such:</p> <p>Valid File, Requirements, WolfSchdeuler</p> <p>Add No Selection, Invalid, WolfScheduler</p>	<p>After the PackSceduler Test Plan is deleted, it is no longer displayed in the current test plan drop down. The displayed test plan switched to the Failing Tests list. The Failing Tests list is still listed as first in the drop down menu.</p> <p>After the Failing Tests list is selected, it displays the two test cases as described.</p>
Test 2: Save Test Plans File (UC2)	<p>Preconditions: GUI opened and "test-plans1.txt" has been loaded. Test 1 has passed.</p>	<p>After the file is saved, the contents should be as follows: ! WolfScheduler</p>	<p>After the test plan is saved to the specified location, the file</p>

	<ol style="list-style-type: none"> 1. Click on the File menu in the top left corner. 2. Click on the Save Test Plan(s) option. 3. Enter "valid_test_2.txt" as the file name to save as. <p><i>Check results in respective save location</i></p> <p>Close GUI</p>	<pre># 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</pre>	<p>contents display as described in the expected results.</p>
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		<p>* A pop up dialog stating "No course is selected in the catalog." is displayed.</p> <p>- FAIL: no pop up displays</p>	
Test 3: Order Test Cases (UC11)	<p>Preconditions: GUI opened and "test-plans1.txt" has been loaded.</p> <ol style="list-style-type: none"> 1. Select the Current Plan drop down menu. 2. Click the WolfScheduler Test Plan. 3. Select the Add No Selection test case and click the Move to Front button 4. Select the Add No Selection test case and click the Move Down button. 5. Select the Invalid File test case and click the Move to Back button. 6. Select the Invalid File test case and click the Move Up button. <p><i>Check results</i></p> <p>Close GUI</p>	<p>After the test cases have been reordered, the test case section should display:</p> <p>Add No Selection, Invalid, FAIL</p> <p>Invalid File, Equivalence Class, PASS</p> <p>Valid File, Requirements, FAIL</p>	<p>After the test cases were reordered, they are displayed in the order described by the expected results.</p>

<p>Test 4: Add Test Plan Invalid Name (UC5)</p>	<p>Preconditions: GUI opened and “test-plans1.txt” has been loaded.</p> <ol style="list-style-type: none"> 1. Click on the Add Test Plan button. 2. Enter the name “Failing Tests”. 3. Click the OK button. <p><i>Check results</i></p> <p>Close GUI</p>	<p>After the OK button is pressed, a pop up should appear with the message “Invalid name.”</p>	<p>After the OK button is pressed, a pop up appears with the message “Invalid name.”</p>
<p>Test 5: Add Test Case (UC9)</p>	<p>Preconditions: GUI opened and “test-plans1.txt” has been loaded.</p> <ol style="list-style-type: none"> 1. Click on the Current Test Plan drop down menu. 2. Select WolfScheduler. 3. Enter “Remove Course” as the Test Id 4. Enter “Requirements” as the Test Type 5. Enter “Preconditions: Test 2 and Test 8 have passed. <ol style="list-style-type: none"> 1. Select the 3rd row of the My Schedule table (CSC 116, 002, Intro to Programming - Java) 2. Click Remove Course <p><i>Check results</i></p> <p>Close GUI” for the description.</p> <ol style="list-style-type: none"> 6. Enter “Course CSC116 section 2 should be removed.” for the Expected Results. 7. Click the Add button. 	<p>The Current Test Plan test case table should display as:</p> <p>Invalid File, Equivalence Class, PASS</p> <p>Valid File, Requirements, FAIL</p> <p>Add No Selection, Invalid, FAIL</p> <p>Remove Course, Requirements, FAIL</p>	<p>After the new test case is added, the Current Test Plan test case table displayed as described in expected results.</p>

	<i>Check Results</i>		
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