

# SystemTestPlan System Test Plan

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## Introduction

This document contains the system tests for the SystemTestPlan system. The following system tests will check and validate the functions of different methods and classes working together to meet the system requirements.

## Test Files

*test-plans0.txt*

! WolfScheduler

# test1,Equivalence Class

\* description

with multiple lines

\* expected results

with multiple lines

- PASS: actual results

- FAIL: actual results on  
multiple lines

- PASS: actual results

on three

lines

# test2,Boundary Value

\* description

\* expected results

# test3,Requirements

\* description

on multiple lines

\* expected results  
 - FAIL: actual results  
 ! PackScheduler  
 # test0,Invalid  
 \* description  
 \* expected results  
 with multiple lines  
 - PASS: actual results  
 - FAIL: actual results  
 # test1,Equivalence Class  
 \* description  
 \* expected results  
 - PASS: actual results

## System Tests

Test ID	Description	Expected Results	Actual Results
Test 1: Loading data from a valid file	Preconditions: None  1. Run SystemTestPlanGUI 2. User clicks on the 'File' button and then 'Load'. 3. In the file chooser pop-up, select test-plans0.txt 4. Click 'Select' 5. Check results 6. Close GUI	<ul style="list-style-type: none"> <li>• SystemTestPlanGUI loads</li> <li>• Current Test Plan dropdown:               <ul style="list-style-type: none"> <li>- Failing Tests</li> <li>- PackScheduler</li> <li>- WolfScheduler</li> </ul> </li> <li>• There are no Test Cases under the Failing Tests test plan.</li> <li>• Test Cases under PackScheduler:               <ul style="list-style-type: none"> <li>- test0, Invalid, FAIL Test Case ID: test0 Test Type: Invalid Description: description</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• SystemTestPlanGUI loads</li> <li>• Current Test Plan dropdown:               <ul style="list-style-type: none"> <li>- Failing Tests</li> <li>- PackScheduler</li> <li>- WolfScheduler</li> </ul> </li> <li>• There are no Test Cases under the Failing Tests test plan.</li> <li>• Test Cases under PackScheduler:               <ul style="list-style-type: none"> <li>- test0, Invalid, FAIL Test Case ID: test0 Test Type: Invalid Description: description</li> </ul> </li> </ul>

		<p>Expected Results: expected results with multiple lines Actual results log: - PASS: actual results - FAIL: actual results</p> <ul style="list-style-type: none"> <li>- test1, Equivalence class, FAIL Test Case ID: test Test Type: Equivalence class Description: description Expected Results: expected results Actual results log: - PASS: actual results</li> <li>• Test Cases under WolfScheduler: <ul style="list-style-type: none"> <li>- test1, Equivalence Class, PASS Test Case ID: test1 Test Type: Equivalence Class Description: description with multiple lines Expected Results: expected results with multiple lines Actual results log: - PASS: actual results - FAIL: actual results on multiple lines</li> </ul> </li> </ul>	<p>Expected Results: expected results with multiple lines Actual results log: - PASS: actual results - FAIL: actual results</p> <ul style="list-style-type: none"> <li>- test1, Equivalence class, FAIL Test Case ID: test Test Type: Equivalence class Description: description Expected Results: expected results Actual results log: - PASS: actual results</li> <li>• Test Cases under WolfScheduler: <ul style="list-style-type: none"> <li>- test1, Equivalence Class, PASS Test Case ID: test1 Test Type: Equivalence Class Description: description with multiple lines Expected Results: expected results with multiple lines Actual results log: - PASS: actual results - FAIL: actual results on multiple lines</li> </ul> </li> </ul>
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		<ul style="list-style-type: none"> <li>- PASS: actual results on three lines</li> <li>- test2, Boundary Value, FAIL Test Case ID: test2 Test Type: Boundary Description: description Expected Results: expected results Actual results log:</li> <li>- test3, Requirements, FAIL Test Case ID: test3 Test Type: Requirements Description: description with multiple lines Expected Results: expected results Actual results log: - FAIL: actual results on multiple lines</li> </ul>	<ul style="list-style-type: none"> <li>- PASS: actual results on three lines</li> <li>- test2, Boundary Value, FAIL Test Case ID: test2 Test Type: Boundary Description: description Expected Results: expected results Actual results log:</li> <li>- test3, Requirements, FAIL Test Case ID: test3 Test Type: Requirements Description: description with multiple lines Expected Results: expected results Actual results log: - FAIL: actual results on multiple lines</li> </ul>
Test 2: Adding an invalid test plan	Preconditions: Test 1 passes <ol style="list-style-type: none"> <li>1. Run SystemTestPlanGUI</li> <li>2. Click on 'Add Test Plan'</li> <li>3. Enter "Failing Tests" and click 'OK'</li> <li>4. Check results</li> </ol>	A pop-up should appear with the message "Invalid name."  The test plan is not added to the test plan drop down.	A pop-up should appear with the message "Invalid name."  The test plan is not added to the test plan drop down.

	5. Close GUI		
Test 3: Editing test plan name to an invalid name	Preconditions: Test 1 passes 1. Run SystemTestPlanGUI 2. Click on 'Edit Test Plan' 3. Enter "Failing Tests" and click 'OK' 4. Check results 5. Close GUI	A pop-up should appear with the message "Invalid name."  The test plans name is not updated.	A pop-up should appear with the message "Invalid name."  The test plans name is not updated.
Test 4: Trying to delete Failing Tests test plan	Preconditions: Test 1 passes 1. Run SystemTestPlanGUI 2. Select "Failing Tests" for the current test plan from the drop-down. 3. Click on 'Remove Test Plan' and click 'OK' 4. Check results 5. Close GUI	A pop-up should appear with the message "The Failing Test list may not be deleted."  Failing Tests is still the first test plan.	A pop-up should appear with the message "The Failing Test list may not be deleted."  Failing Tests is still the first test plan.
Test 5: Adding a test case	Preconditions: Test 1 passes 1. Run SystemTestPlanGUI 2. Select 'PackScheduler' for the current test plan. 3. Select test0 and remove it. 4. Check results 5. Create a new test case with the following information: Test Case ID: test5 Test Type: Random Description : desc Expected Results: exp Actual Results Log: Record Actual Results: PASS or FAIL: PASS	PackScheduler only has one test case: - Test1, Equivalence Class, PASS  PackScheduler has two test case: - Test1, Equivalence Class, PASS - Test5, Random, FAIL	PackScheduler only has one test case: - Test1, Equivalence Class, PASS  PackScheduler has two test case: - Test1, Equivalence Class, PASS - Test5, Random, FAIL
Test 6: Saving the changes	Preconditions: Tests 1 and 5 have passed 1. Run SystemTestPlanGUI 2. Click on 'File' and then 'Save Test Plan(s)'	stpOut.txt contains the following: ! PackScheduler # test1,Equivalence Class * description	stpOut.txt contains the following: ! PackScheduler # test1,Equivalence Class * description

	<p>3. Select the test-files folder and save the file as stpOut.txt</p> <p>4. Check results</p> <p>5. Close GUI</p>	<p>* expected results</p> <p>- PASS: actual results</p> <p># test5,Random</p> <p>* desc</p> <p>* exp</p> <p>- PASS: actual results</p> <p>! WolfScheduler</p> <p># test1,Equivalence Class</p> <p>* description</p> <p>with multiple lines</p> <p>* expected results</p> <p>with multiple lines</p> <p>- PASS: actual results</p> <p># test2,Boundary Value</p> <p>* description</p> <p>* expected results</p> <p>- PASS: actual results</p> <p># test3,Requirements</p> <p>* description</p> <p>on multiple lines</p> <p>* expected results</p> <p>- PASS: actual results</p>	<p>* expected results</p> <p>- PASS: actual results</p> <p># test5,Random</p> <p>* desc</p> <p>* exp</p> <p>- PASS: actual results</p> <p>! WolfScheduler</p> <p># test1,Equivalence Class</p> <p>* description</p> <p>with multiple lines</p> <p>* expected results</p> <p>with multiple lines</p> <p>- PASS: actual results</p> <p># test2,Boundary Value</p> <p>* description</p> <p>* expected results</p> <p>- PASS: actual results</p> <p># test3,Requirements</p> <p>* description</p> <p>on multiple lines</p> <p>* expected results</p> <p>- PASS: actual results</p>
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