

# System Test Plan

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## Introduction

This system test plan tests various functions of the System Test Plan program and its numerous paths and requirements.

To run the tests:

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

## Test Files

### STP Test File

```
! 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

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: Add Test Plan (UC5)	Preconditions: None  <ol style="list-style-type: none"><li>1. Start the System Test Plan Application</li><li>2. Click "File" and load in the "test-plans0.txt" file</li><li>3. Click "Add Test Plan"</li><li>4. Enter a valid plan name "ZackScheduler"</li><li>5. Click "Ok"</li></ol>	The application should successfully open. When adding the Test Plan, the name should be valid and the new test plan should be added in alphabetical order. The new test plan added should be the current test plan. In the test plan, there should be no tests and no failing tests.	After opening the application, clicking "Add Test Plan" entering "ZackScheduler", and clicking "Ok" successfully adds the ZackScheduler test plan to the list and sets it to the current test plan. There are no tests and no failing tests in the test plan.
Test 2: Add Test Plan (UC5 – Invalid Name)	Preconditions: Test 1  <ol style="list-style-type: none"><li>1. Click "Add Test Plan"</li><li>2. Enter the plan name "ZackScheduler"</li><li>3. Click "Ok"</li></ol>	An error should occur because ZackScheduler already exists. The message "Invalid name." should appear.	Attempting to add another test plan called "ZackScheduler" triggers an "Invalid name." error.
Test 3: Edit Test Plan (UC6)	Preconditions: Test 1  <ol style="list-style-type: none"><li>1. Select "ZackScheduler" as the current test plan if it isn't already selected.</li><li>2. Click "Edit Test Plan"</li><li>3. Enter the new name "WackScheduler"</li><li>4. Click "Ok"</li></ol>	With "ZackScheduler" selected, Clicking edit test plan should pop up a prompt for an updated name. After inputting "WackScheduler" and clicking "Ok", the new system test plan drop down menu should update the name and order them alphabetically.	With "ZackScheduler" selected, clicking "Edit Test Plan" and entering "WackScheduler" successfully changes the name from "ZackScheduler" to "WackScheduler".

Test 4: Remove Current Test Plan (UC7)	<p>Preconditions: Test 1 and 3</p> <ol style="list-style-type: none"> <li>1. Select "WackScheduler"</li> <li>2. Click "Remove Test Plan"</li> <li>3. Click "Yes"</li> </ol>	With "WackScheduler" selected, selecting "Remove Test Plan" should successfully delete "WackScheduler" from the System Test Plan list	Since "WackScheduler" was selected, clicking "Remove Test Plan" successfully deleted "WackScheduler"
Test 5: Add a Test Case to Current Test Plan (UC9)	<p>Preconditions: Test 1 and 3</p> <ol style="list-style-type: none"> <li>1. Enter "Adding Course" for the test case id</li> <li>2. Enter "Valid" for test type</li> <li>3. In the description, enter "Preconditions: "WackSchedulerGUI is loaded. 1. Enter the course information below: Course Name: CSC216, Course Title: Software Development Fundamentals, Course Section: 1, Credits: 3, Instructor id: sesmith, Start Time: 11:45AM, End Time: 1:00PM, Meeting Days: Tuesday &amp; Thursday."</li> <li>4. In expected results, enter "Course is successfully added with correct information displayed"</li> <li>5. Click "Add" in the test cases menu</li> </ol>	With "WackScheduler" selected, Entering the given information should successfully add the test case to the test cases menu in the current system plan.	With "WackScheduler" selected, entering the given information, and clicking "Add" successfully adds the test case to the test cases menu in the current system test plan