

# Guided Project 3: System Test Plan

## GP3 System Test Plan Instructions

There are 15 system-level system tests that were provided to validate that Guided Project 2 was working properly. You will **revise** the existing tests to meet the new requirements. Additionally, you will write another **5 system tests** for a total of **20 tests**.

**Identify *changed tests* by highlighting the row in light gray. Also, annotate the Test ID column with the tag (Modified).**

**Identify *new tests* by highlighting the row in a darker gray. Also, annotate the Test ID column with the tag (New).**

All tests are worth 1 point for a total of 20 points. For each test, half a point is for passing the test and half a point is for reporting the actual results of running the test on YOUR program - even if the test is failing! There are global deductions for incorrect highlighting.

## GP3 System Test Plan Execution Information

To run the tests:

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

The FileChooser for the course catalog will load automatically.

All tests files are located in the test-files/ folder and the contents of the files used in testing are below:

*invalid\_course\_records.txt*

```
001,Software Development Fundamentals,001,3,sesmith5,MW,1330,1445
CSC216,Software Development Fundamentals,001,3,sesmith5,MW,1330,1445
CSC a216,Software Development Fundamentals,001,3,sesmith5,MW,1330,1445
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CSCSC 16,Software Development Fundamentals,001,3,sesmith5,MW,1330,1445  
16,Software Development Fundamentals,001,3,sesmith5,MW,1330,1445  
CSC 16,Software Development Fundamentals,001,3,sesmith5,MW,1330,1445  
CSC 2167,Software Development Fundamentals,001,3,sesmith5,MW,1330,1445  
CSC 216,001,3,sesmith5,MW,1330,1445  
CSC 216,Software Development Fundamentals,3,sesmith5,MW,1330,1445  
CSC 216,Software Development Fundamentals,abc,3,sesmith5,MW,1330,1445  
CSC 216,Software Development Fundamentals,001,sesmith5,MW,1330,1445  
CSC 216,Software Development Fundamentals,001,0,sesmith5,MW,1330,1445  
CSC 216,Software Development Fundamentals,001,6,sesmith5,MW,1330,1445  
CSC 216,Software Development Fundamentals,001,3,MW,1330,1445  
CSC 216,Software Development Fundamentals,001,3,sesmith5,1330,1445  
CSC 216,Software Development Fundamentals,001,3,sesmith5,MW,1445  
CSC 216,Software Development Fundamentals,01,3,sesmith5,MW,1330,1445  
CSC 216,Software Development Fundamentals,001,3,,MW,1330,1445  
CSC 216,Software Development Fundamentals,001,3,sesmith5,MWA,1330,1445  
CSC 216,Software Development Fundamentals,001,3,sesmith5,A,1330,1445  
CSC 216,Software Development Fundamentals,001,3,sesmith5,MW,267,1445  
CSC 216,Software Development Fundamentals,001,3,sesmith5,MW,1445,1330  
CSC 216,Software Development Fundamentals,001,3,sesmith5,,1330,1445  
CSC 216,Software Development Fundamentals,001,3,sesmith5,MTWHT,1330,1445  
CSC 216,Software Development Fundamentals,001,3,sesmith5,MTWH,1330,1445,extra

#### *course\_records.txt*

CSC 116,Intro to Programming - Java,001,3,jdyoung2,MW,0910,1100  
CSC 116,Intro to Programming - Java,002,3,spbalik,MW,1120,1310  
CSC 116,Intro to Programming - Java,003,3,tbdimitr,TH,1120,1310  
CSC 116,Intro to Programming - Java,002,3,jtking,TH,0910,1100  
CSC 216,Software Development Fundamentals,001,3,sesmith5,TH,1330,1445  
CSC 216,Software Development Fundamentals,002,3,ixdoming,MW,1330,1445

CSC 216,Software Development Fundamentals,601,3,jctetter,A  
 CSC 217,Software Development Fundamentals Lab,202,1,sesmith5,M,1040,1230  
 CSC 217,Software Development Fundamentals Lab,211,1,sesmith5,T,830,1020  
 CSC 217,Software Development Fundamentals Lab,223,1,sesmith5,W,1500,1650  
 CSC 217,Software Development Fundamentals Lab,601,1,sesmith5,A  
 CSC 226,Discrete Mathematics for Computer Scientists,001,3,tmbarnes,MWF,935,1025  
 CSC 230,C and Software Tools,001,3,dbsturgi,MW,1145,1300  
 CSC 316,Data Structures and Algorithms,001,3,jtking,MW,830,945

Note that while all tests end with the statement to Close GUI, you can run Tests 2-13 on the same GUI run if there are no failures. If there are failures, you can use the preconditions to identify the dependent test cases.

Test ID	Description	Expected Results	Actual Results
Test 1: Invalid File	Preconditions: None  1. Run WolfSchedulerGUI.  2. In the <b>Load Course Catalog</b> FileChooser dialog select: test-files/invalid_course_records.txt  3. Click <b>Select</b>  4. <i>Check results</i>  5. Close GUI	<ul style="list-style-type: none"> <li>• WolfSchdulerGUI loads</li> <li>• Course Catalog is empty</li> <li>• My Schedule is empty</li> <li>• Course Details only shows labels</li> <li>• <i>Add Event section is empty</i></li> </ul>	<ul style="list-style-type: none"> <li>• WolfSchdulerGUI loads</li> <li>• Course Catalog is empty</li> <li>• My Schedule is empty</li> <li>• Course Details only shows labels</li> <li>• <i>Add Event section is empty</i></li> </ul>
Test 2: Valid	Preconditions: None	WolfSchdulerGUI loads	WolfSchedulerGUI loads

File	<ol style="list-style-type: none"> <li>1. Run WolfSchedulerGUI.</li> <li>2. In the <b>Load Course Catalog</b> FileChooser dialog select: <code>test-files/course_records.txt</code></li> <li>3. Click <b>Select</b></li> <li>4. <i>Check results</i></li> <li>5. Close GUI</li> </ol>	<p>Course Catalog contains 13 classes</p> <ul style="list-style-type: none"> <li>• CSC 116, 001, Intro to Programming - Java, MW 9:10AM-11:00AM</li> <li>• CSC 116, 002, Intro to Programming - Java, MW 11:20AM-1:10PM</li> <li>• CSC 116, 003, Intro to Programming - Java, TH 11:20AM-1:10PM</li> <li>• CSC 216, 001, Software Development Fundamentals, TH 1:30PM-2:45PM</li> <li>• CSC 216, 002, Software Development Fundamentals, MW 1:30PM-2:45PM</li> <li>• CSC 216, 601, Software Development Fundamentals, Arranged</li> <li>• CSC 217, 202, Software Development Fundamentals Lab, M 10:40AM-12:30PM</li> <li>• CSC 217, 211, Software Development Fundamentals Lab, T 8:30AM-10:20AM</li> <li>• CSC 217, 223, Software Development Fundamentals Lab, W</li> </ul>	<p>Course Catalog contains 13 classes</p> <ul style="list-style-type: none"> <li>• CSC 116, 001, Intro to Programming - Java, MW 9:10AM-11:00AM</li> <li>• CSC 116, 002, Intro to Programming - Java, MW 11:20AM-1:10PM</li> <li>• CSC 116, 003, Intro to Programming - Java, TH 11:20AM-1:10PM</li> <li>• CSC 216, 001, Software Development Fundamentals, TH 1:30PM-2:45PM</li> <li>• CSC 216, 002, Software Development Fundamentals, MW 1:30PM-2:45PM</li> <li>• CSC 216, 601, Software Development Fundamentals, Arranged</li> <li>• CSC 217, 202, Software Development Fundamentals Lab, M 10:40AM-12:30PM</li> <li>• CSC 217, 211, Software Development Fundamentals Lab, T 8:30AM-10:20AM</li> <li>• CSC 217, 223, Software Development Fundamentals Lab, W</li> </ul>
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		<p>Fundamentals Lab, W 3:00PM-4:50PM</p> <ul style="list-style-type: none"> <li>• CSC 217, 601, Software Development Fundamentals Lab, Arranged</li> <li>• CSC 226, 001, Discrete Mathematics for Computer Scientists, MWF 9:35AM-10:25AM</li> <li>• CSC 230, 001, C and Software Tools, MW 11:45PM-1:00PM</li> <li>• CSC 316, 001, Data Structures and Algorithms, MW 8:30AM-9:45AM</li> </ul> <p>My Schedule is empty</p> <p>Course Details only shows labels</p> <p><i>Add Event only shows labels</i></p>	<p>3:00PM-4:50PM</p> <ul style="list-style-type: none"> <li>• CSC 217, 601, Software Development Fundamentals Lab, Arranged</li> <li>• CSC 226, 001, Discrete Mathematics for Computer Scientists, MWF 9:35AM-10:25AM</li> <li>• CSC 230, 001, C and Software Tools, MW 11:45PM-1:00PM</li> <li>• CSC 316, 001, Data Structures and Algorithms, MW 8:30AM-9:45AM</li> </ul> <p>My Schedule is empty</p> <p>Course Details only shows labels</p> <p><i>Add Event only shows labels</i></p>
Test 3: Add - No Sel.	<p>Preconditions: Test 2 has passed</p> <ol style="list-style-type: none"> <li>1. Make sure that no row in the Course Catalog table is selected (if there is a row selected, restart the GUI)</li> <li>2. Click <b>Add Course</b></li> <li>3. <i>Check results</i></li> </ol>	A pop-up dialog stating “No course selected in the catalog.” is displayed.	A pop-up dialog stating “No course selected in the catalog.” is displayed.

	4. Click <b>OK</b> 5. Close GUI		
Test 4: Add	Preconditions: Test 2 has passed 1. Select the 4th row of the Course Catalog table (CSC216, 001, Software Development Fundamentals) 2. <i>Check results</i> 3. Click <b>Add Course</b> 4. <i>Check results</i> 5. Close GUI	Course Details are displayed <ul style="list-style-type: none"> <li>• Name: CSC 216</li> <li>• Section: 001</li> <li>• Title: Software Development Fundamentals</li> <li>• Instructor: sesmith5</li> <li>• Credits: 3</li> <li>• Meeting: TH 1:30PM-2:45PM</li> </ul> Course CSC 216, 001, Software Development Fundamentals is listed in the My Schedule table	Course Details are displayed <ul style="list-style-type: none"> <li>• Name: CSC 216</li> <li>• Section: 001</li> <li>• Title: Software Development Fundamentals</li> <li>• Instructor: sesmith5</li> <li>• Credits: 3</li> <li>• Meeting: TH 1:30PM-2:45PM</li> </ul> Course CSC 216, 001, Software Development Fundamentals is listed in the My Schedule table
Test 5: Remove - No Sel.	Preconditions: Test 2 and Test 4 have passed 1. Make sure that no row in the My Schedule table is selected (if there is a row selected, restart the test) 2. Click <b>Remove Activity</b> 3. <i>Check results</i> 4. Click <b>OK</b>	A pop-up dialog stating “No item selected in the schedule.” is displayed.	A pop-up dialog stating “No item selected in the schedule.” is displayed.

	5. Close GUI		
Test 6: Add Same Course	<p>Preconditions: Test 2 and Test 4 have passed</p> <ol style="list-style-type: none"> <li>1. Select the 5th row of the Course Catalog table (CSC216, 002, Software Development Fundamentals)</li> <li>2. <i>Check results</i></li> <li>3. Click <b>Add Course</b></li> <li>4. <i>Check results</i></li> <li>5. Click <b>OK</b></li> <li>6. Close GUI</li> </ol>	<p>Course Details are displayed</p> <ul style="list-style-type: none"> <li>• Name: CSC 216</li> <li>• Section: 002</li> <li>• Title: Software Development Fundamentals</li> <li>• Instructor: ixdoming</li> <li>• Credits: 3</li> <li>• Meeting: MW 1:30PM-2:45PM</li> </ul> <p>A pop-up dialog stating "You are already enrolled in CSC216" is displayed.</p>	<p>Course Details are displayed</p> <ul style="list-style-type: none"> <li>• Name: CSC 216</li> <li>• Section: 002</li> <li>• Title: Software Development Fundamentals</li> <li>• Instructor: ixdoming</li> <li>• Credits: 3</li> <li>• Meeting: MW 1:30PM-2:45PM</li> </ul> <p>A pop-up dialog stating "You are already enrolled in CSC216" is displayed.</p>
Test 14: Add Event	<p>Preconditions: Test 2 and Test 4 have passed</p> <ol style="list-style-type: none"> <li>1. Enter the following in the Add Event section: <ul style="list-style-type: none"> <li>• Event Title: Lunch</li> <li>• Meeting Days: Mon and Wed</li> <li>• Event Start Time: 11:30AM</li> <li>• Event End Time: 12:30PM</li> <li>• Details: Meet at the Oval before class</li> </ul> </li> <li>2. Click <b>Add Event</b></li> <li>3. <i>Check results</i></li> <li>4. Close GUI</li> </ol>	<p>My Schedule table contains:</p> <ul style="list-style-type: none"> <li>• CSC 216, 001, Software Development Fundamentals, TH 1:30PM-2:45PM</li> <li>• " ", " ", Lunch, MW 11:30AM-12:30PM</li> </ul>	<p>My Schedule table contains:</p> <ul style="list-style-type: none"> <li>• CSC 216, 001, Software Development Fundamentals, TH 1:30PM-2:45PM</li> <li>• " ", " ", Lunch, MW 11:30AM-12:30PM</li> </ul>

Test 15: Duplicate Event	<p>Preconditions: Test 2, Test 4, and Test14 have passed</p> <ol style="list-style-type: none"> <li>Enter the following in the Add Event section: <ul style="list-style-type: none"> <li>Event Title: Lunch</li> <li>Meeting Days: Tue</li> <li>Event Start Time: 12:00PM</li> <li>Event End Time: 1:00PM</li> <li>Details: Lunch with mom</li> </ul> </li> <li>Click <b>Add Event</b></li> <li><i>Check results</i></li> <li>Click <b>OK</b></li> <li>Close GUI</li> </ol>	<p>A pop-up dialog stating “You have already created an event called Lunch.” is displayed.</p>	<p>A pop-up dialog stating “You have already created an event called Lunch.” is displayed.</p>
Test 7: Reset	<p>Preconditions: Test 2 and Test 4 have passed</p> <ol style="list-style-type: none"> <li>Click <b>Reset Schedule</b></li> <li><i>Check results</i></li> <li>Close GUI</li> </ol>	<p>My Schedule table is empty</p>	<p>My Schedule table is empty</p>
Test 8: Add Several (Modified)	<p>Preconditions: Test 2 has passed</p> <ol style="list-style-type: none"> <li>Select the 6th row of the Course Catalog table (CSC 216, 601, Software Development Fundamentals, Arranged)</li> <li>Click <b>Add Course</b></li> </ol>	<p>My Schedule displays:</p> <ul style="list-style-type: none"> <li>CSC 216, 601, Software Development Fundamentals, Arranged</li> <li>CSC 217, 601, Software Development Fundamentals Lab, Arranged</li> </ul>	<p>My Schedule displays:</p> <ul style="list-style-type: none"> <li>CSC 216, 601, Software Development Fundamentals, Arranged</li> <li>CSC 217, 601, Software Development Fundamentals Lab, Arranged</li> </ul>



	<ol style="list-style-type: none"> <li>3. Select the 10th row of the Course Catalog table (CSC 217, 601, Software Development Fundamental Lab, Arranged)</li> <li>4. Click <b>Add Course</b></li> <li>5. Select the 2nd row of the Course Catalog table (CSC 116, 002, Intro to Programming - Java, MW 11:20AM-1:10PM)</li> <li>6. Click <b>Add Course</b></li> <li>7. Select the 12th row of the Course Catalog table (CSC 230, 001, C and Software Tools, MW 11:45AM-1:00PM)</li> <li>8. Click <b>Add Course</b></li> <li>9. Enter the following in the Add Event section: <ul style="list-style-type: none"> <li>• Event Title: Exercise</li> <li>• Meeting Days: Sun, Mon, Tue, Thu, Fri</li> <li>• Event Start Time: 8:00AM</li> <li>• Event End Time: 9:00AM</li> <li>• Details: Cardio days</li> </ul> </li> <li>10. Click <b>Add Event</b></li> <li>11. Select the 11th row of the Course Catalog table (CSC 226, 001, Discrete Mathematics for Computer Scientists)</li> <li>12. Click <b>Add Course</b></li> </ol>	<ul style="list-style-type: none"> <li>• CSC 116, 002, Intro to Programming - Java, MW 11:20AM-1:10PM</li> <li>• CSC 230, 001, C and Software Tools, MW 11:45AM-1:00PM</li> <li>• “”, “”, Exercise, UMTHF 8:00AM-9:00AM</li> <li>• CSC 226, 001, Discrete Mathematics for Computer Scientists, MWF 9:35AM-10:25AM</li> </ul>	<ul style="list-style-type: none"> <li>• CSC 116, 002, Intro to Programming - Java, MW 11:20AM-1:10PM</li> <li>• CSC 230, 001, C and Software Tools, MW 11:45AM-1:00PM</li> <li>• “”, “”, Exercise, UMTHF 8:00AM-9:00AM</li> <li>• CSC 226, 001, Discrete Mathematics for Computer Scientists, MWF 9:35AM-10:25AM</li> </ul>
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		Software Tools, MW 11:45AM-1:00PM • CSC 226, 001, Discrete Mathematics for Computer Scientists, MWF 9:35AM-10:25AM	<ul style="list-style-type: none"> <li>• CSC 230, 001, C and  Software Tools, MW  11:45AM-1:00PM</li> <li>• CSC 226, 001, Discrete  Mathematics for  Computer Scientists,  MWF 9:35AM-10:25AM</li> </ul>
Test 10: Set Title	Preconditions: Test 1 or Test 2 have passed  Enter “My Super Awesome Schedule” into the Schedule Title text field  Click <b>Set Title</b>  <i>Check results</i>  Close GUI	The label on the third section of the GUI now contains the text “My Super Awesome Schedule” instead of “My Schedule”	The label on the third section of the GUI now contains the text “My Super Awesome Schedule” instead of “My Schedule”
Test 11: Finalize (Modified)	Preconditions: Test 2 and Tests 8-10 have passed  Click <b>Display Final Schedule</b>  <i>Check results</i>  Close GUI	Schedule Title: “My Super Awesome Schedule”  Schedule Table <ul style="list-style-type: none"> <li>• CSC 216, 601, Software  Development  Fundamentals, 3, jctetter,  Arranged, “”</li> <li>• CSC 217, 601, Software  Development  Fundamentals Lab, 1,  sesmith5, Arranged, “”</li> <li>• CSC 230, 001, C and  Software Tools, 3,  dbsturgi, MW</li> </ul>	Schedule Title: “My Super Awesome Schedule”  Schedule Table <ul style="list-style-type: none"> <li>• CSC 216, 601, Software  Development  Fundamentals, 3, jctetter,  Arranged, “”</li> <li>• CSC 217, 601, Software  Development  Fundamentals Lab, 1,  sesmith5, Arranged, “”</li> <li>• CSC 230, 001, C and  Software Tools, 3,  dbsturgi, MW</li> </ul>

		11:45AM-1:00PM, "3" • CSC 226, 001, Discrete Mathematics for Computer Scientists, 3, tmbarnes, MWF 9:35AM-10:25AM, "3"	11:45AM-1:00PM, "3" • CSC 226, 001, Discrete Mathematics for Computer Scientists, 3, tmbarnes, MWF 9:35AM-10:25AM, "3"
Test 12: Export (Modified)	Preconditions: Test 2 and Tests 8-11 have passed  Click <b>Export Schedule</b>  Select test-files folder. Enter the filename actual_schedule.txt  Click <b>Save</b> (it's ok to overwrite old results)  <i>Check results</i>  Close GUI	In Eclipse, right click on the WolfScheduler project and select <b>Refresh</b> .  Open the test-files folder and open actual_schedule.txt in the editor.  The contents should be: CSC 216, Software Development Fundamentals, 601, 3, jct etter, A CSC 217, Software Development Fundamentals Lab, 601, 1, sesmith5, A CSC 230, C and Software Tools, 001, 3, dbsturgi, MW, 1145, 1300 CSC 226, Discrete Mathematics for Computer Scientists, 001, 3, tmbarnes, MWF, 935, 1025	CSC 216, Software Development Fundamentals, 601, 3, jct etter, A CSC 217, Software Development Fundamentals Lab, 601, 1, sesmith5, A CSC 230, C and Software Tools, 001, 3, dbsturgi, MW, 1145, 1300 CSC 226, Discrete Mathematics for Computer Scientists, 001, 3, tmbarnes, MWF, 935, 1025

<p>Test 13: Revise</p> <p>(modified)</p>	<p>Preconditions: Test 2 and Tests 8-11 have passed</p> <p>Click <b>Revise Schedule</b></p> <p><i>Check Results</i></p> <p>Close GUI</p>	<p>The Scheduler view is shown with</p> <ul style="list-style-type: none"> <li>• 13 courses listed in the catalog</li> <li>• My Super Awesome Schedule as the schedule title</li> <li>• 4 courses in my schedule (CSC 216-601, CSC 217-601, CSC 230-001, CSC 226-001) - all 4 columns are filled as expected for each activity.</li> </ul>	<p>The Scheduler view is shown with</p> <ul style="list-style-type: none"> <li>• 13 courses listed in the catalog</li> <li>• My Super Awesome Schedule as the schedule title</li> <li>• 4 courses in my schedule (CSC 216-601, CSC 217-601, CSC 230-001, CSC 226-001) - all 4 columns are filled as expected for each activity.</li> </ul>
<p>Test 16: Add a conflicting event</p> <p>(NEW)</p>	<p>Precondition: Test 2 and Test 8 Passed</p> <p>Enter the following in the Add Event section:</p> <ul style="list-style-type: none"> <li>• Event Title: Lunch</li> <li>• Meeting Days: Sun, Mon, Tue, Wed, Thu, Fri, Sat</li> <li>• Event Start Time: 11:45AM</li> <li>• Event End Time: 12:15AM</li> <li>• Details:</li> </ul> <p>Click <b>Add Event</b></p> <p><i>Check Results</i></p> <p><i>Close GUI</i></p>	<p>My Schedule displays:</p> <ul style="list-style-type: none"> <li>• CSC 216, 601, Software Development Fundamentals, Arranged</li> <li>• CSC 217, 601, Software Development Fundamentals Lab, Arranged</li> <li>• CSC 116, 002, Intro to Programming - Java, MW 11:20AM-1:10PM</li> <li>• CSC 230, 001, C and Software Tools, MW 11:45AM-1:00PM</li> <li>• “”, “”, Exercise, UMTHF 8:00AM-9:00AM</li> <li>• CSC 226, 001, Discrete Mathematics for Computer Scientists,</li> </ul>	<p>My Schedule displays:</p> <ul style="list-style-type: none"> <li>• CSC 216, 601, Software Development Fundamentals, Arranged</li> <li>• CSC 217, 601, Software Development Fundamentals Lab, Arranged</li> <li>• CSC 116, 002, Intro to Programming - Java, MW 11:20AM-1:10PM</li> <li>• CSC 230, 001, C and Software Tools, MW 11:45AM-1:00PM</li> <li>• “”, “”, Exercise, UMTHF 8:00AM-9:00AM</li> <li>• CSC 226, 001, Discrete Mathematics for Computer Scientists, MWF</li> </ul>

		MWF 9:35AM-10:25AM	9:35AM-10:25AM
		A pop-up dialog stating “The event cannot be added due to a conflict” is displayed.	A pop-up dialog stating “The event cannot be added due to a conflict” is displayed.
Test 17: Testing overnight Events  (NEW)	Precondition: Test 2 Passed <ol style="list-style-type: none"> <li>Enter the following in the Add Event section:               <ul style="list-style-type: none"> <li>Event Title: Something</li> <li>Meeting Days: Tue</li> <li>Event Start Time: 12:00PM</li> <li>Event End Time: 1:00AM</li> <li>Details: Lunch with mom</li> </ul> </li> <li>Click <b>Add Event</b></li> <li>Check Result</li> <li>Close GUI</li> </ol>	A pop-up dialog stating “Invalid meeting Days and times” is displayed.	A pop-up dialog stating “Invalid meeting Days and times” is displayed.
Test 18: Test Empty Export (NEW)	Precondition: none <ol style="list-style-type: none"> <li>Run WolfSchedulerGUI.</li> <li>In the <b>Load Course Catalog</b> FileChooser dialog select: <code>test-files/course_records.txt</code></li> <li>Click <b>Select</b></li> <li>Click <b>Display Final Schedule</b></li> <li>Click <b>Export Schedule</b></li> <li>Select <code>test-files</code> folder. Enter the</li> </ol>	The file is empty	The file is empty

	filename test18_emptyExport.txt 7. Click <b>Save</b> 8. <i>Check results</i> 9. Close GUI		
Test 19: Test Invalid Event Id name  (NEW)	Precondition: Test 2 Passed  1. Enter the following in the Add Event section: <ul style="list-style-type: none"> <li>• Event Title: ""</li> <li>• Meeting Days: Tue</li> <li>• Event Start Time: 12:00PM</li> <li>• Event End Time: 1:00AM</li> <li>• Details: ""</li> </ul> 2. Click <b>Add Event</b>  3. Check Result 4. Close GUI	A pop-up dialog stating "Invalid event title." is displayed.	A pop-up dialog stating "Invalid event title." is displayed.
Test 20: Test Open Activity Text File.  (NEW)	Precondition: none  1. Run WolfSchedulerGUI.  2. In the <b>Load Course Catalog</b> FileChooser dialog select: test-files/actual_activity_records.txt  3. Click <b>Select</b>  4. <i>Check results</i>  5. Close GUI	Activity Loads containing 3 courses: <ul style="list-style-type: none"> <li>• CSC 116, Intro to Programming - Java, 003, MW, 12:50 PM - 2:40 PM</li> <li>• CSC 216, Software Development Fundamentals,001, MW, 1:30 PM, 2:45 PM</li> <li>• CSC 216, Software Development Fundamentals, 601,</li> </ul>	Activity Loads containing 3 courses: <ul style="list-style-type: none"> <li>• CSC 116, Intro to Programming - Java, 003, MW, 12:50 PM - 2:40 PM</li> <li>• CSC 216, Software Development Fundamentals,001, MW, 1:30 PM, 2:45 PM</li> <li>• CSC 216, Software Development Fundamentals, 601,</li> </ul>

		Arranged	Arranged
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