

# 07: Black Box Test Plan

## Overview

- the tests:
  - Right click on PackSchedulerGUI class in the Package Explorer.
  - Select Run As > Java Application

ts files should be located in the test-files/ folder.

run all tests independently, you can close the GUI between each test. However, the tests are structured so that they may order without shutting down the GUI.

ID	Description	Expected Results	Actual Results
id 1	Preconditions: PackSchedulerGUI has loaded  User ID: <b>lberg</b> Password: <b>pw</b> Click <b>Login</b>  Click <b>OK</b>  Click <b>Clear</b>	   Pop up with message "User doesn't exist."   User ID and password text fields are cleared.	   Pop up with message "Usr doesn't exist."   User ID and password tex fields are cleared.
strar 1	Preconditions: PackSchedulerGUI has loaded  User ID: <b>registrar</b> Password: <b>Regi5tr@r</b> Click <b>Login</b>	   View switches to Registrar	   View switches to Registrar

		panel with Student Directory functionality displayed	panel with Student Directory functionality displayed
load student directory	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2)</p> <p>Click <b>Load Student Directory</b></p> <p>Select <b>test-files/student_records.txt</b></p> <p>Click <b>Select</b></p>	10 students are listed in alphabetical order by last name. The list starts with Demetrius Austin and ends with Griffith Stone.	10 students are listed in alphabetical order by last name. The list starts with Demetrius Austin and ends with Griffith Stone.
add student - step 3	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.</p> <p>Enter the following in the Student Information section:</p> <ul style="list-style-type: none"> <li>• First Name:</li> <li>• Last Name: <b>Wilkins</b></li> <li>• ID: <b>pwilkins</b></li> <li>• Email: <b>pwilkins@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>15</b></li> </ul> <p>Click <b>Add Student</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid first name	Error Message: Invalid first name
add student - step 3	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.</p> <p>Enter the following in the Student Information section:</p> <ul style="list-style-type: none"> <li>• First Name: <b>Patience</b></li> </ul>		

	<ul style="list-style-type: none"> <li>• Last Name:</li> <li>• ID: <b>pwilkins</b></li> <li>• Email: <b>pwilkins@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>15</b></li> </ul> <p>Click <b>Add Student</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid last name	Error Message: Invalid last name
add id ent -	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.</p> <p>Enter the following in the Student Information section:</p> <ul style="list-style-type: none"> <li>• First Name: <b>Patience</b></li> <li>• Last Name: <b>Wilkins</b></li> <li>• ID:</li> <li>• Email: <b>pwilkins@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>15</b></li> </ul> <p>Click <b>Add Student</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid id	Error Message: Invalid id
add id ent - nail	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.</p> <p>Enter the following in the Student Information section:</p> <ul style="list-style-type: none"> <li>• First Name: <b>Patience</b></li> <li>• Last Name: <b>Wilkins</b></li> <li>• ID: <b>pwilkins</b></li> <li>• Email:</li> <li>• Password: <b>pw</b></li> </ul>		

	<ul style="list-style-type: none"> <li>Repeat Password: <b>pw</b></li> <li>Max Credits: <b>15</b></li> </ul> Click <b>Add Student</b>  Click <b>OK</b>	Error Message: Invalid email	Error Message: Invalid em
add id ent - id l	PPreconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section: <ul style="list-style-type: none"> <li>First Name: <b>Patience</b></li> <li>Last Name: <b>Wilkins</b></li> <li>ID: <b>pwilkins</b></li> <li>Email: <b>pwilkinsncsu.edu</b></li> <li>Password: <b>pw</b></li> <li>Repeat Password: <b>pw</b></li> <li>Max Credits: <b>15</b></li> </ul> Click <b>Add Student</b>  Click <b>OK</b>	Error Message: Invalid email	Error Message: Invalid em
add id ent - word n't h	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section: <ul style="list-style-type: none"> <li>First Name: <b>Patience</b></li> <li>Last Name: <b>Wilkins</b></li> <li>ID: <b>pwilkins</b></li> <li>Email: <b>pwilkins@ncsu.edu</b></li> <li>Password: <b>pw1</b></li> <li>Repeat Password: <b>pw</b></li> <li>Max Credits: <b>15</b></li> </ul> Click <b>Add Student</b>	Error Message: Passwords do not match	Error Message: Password not match

	Click <b>OK</b>		
Add id ent - max ts	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.</p> <p>Enter the following in the Student Information section:</p> <ul style="list-style-type: none"> <li>• First Name: <b>Patience</b></li> <li>• Last Name: <b>Wilkins</b></li> <li>• ID: <b>pwilkins</b></li> <li>• Email: <b>pwilkins@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>0</b></li> </ul> <p>Click <b>Add Student</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid max credits	Error Message: Invalid ma credits
Add id ent - ax ts	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.</p> <p>Enter the following in the Student Information section:</p> <ul style="list-style-type: none"> <li>• First Name: <b>Patience</b></li> <li>• Last Name: <b>Wilkins</b></li> <li>• ID: <b>pwilkins</b></li> <li>• Email: <b>pwilkins@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>19</b></li> </ul> <p>Click <b>Add Student</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid max credits	Error Message: Invalid ma credits
Add ent -	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.		

	<p>Enter the following in the Student Information section:</p> <ul style="list-style-type: none"> <li>• First Name: <b>Patience</b></li> <li>• Last Name: <b>Wilkins</b></li> <li>• ID: <b>pwilkins</b></li> <li>• Email: <b>pwilkins@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>15</b></li> </ul> <p>Click <b>Add Student</b></p> <p>Click <b>OK</b></p>	<p>Patience Wilkins is added to the Student Directory and is the last student in the list.</p>	<p>Patience Wilkins is added the Student Directory and the last student in the list.</p>
Add ent - le	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.</p> <p>Enter the following in the Student Information section:</p> <ul style="list-style-type: none"> <li>• First Name: <b>Rylee</b></li> <li>• Last Name: <b>Puckett</b></li> <li>• ID: <b>rpuckett</b></li> <li>• Email: <b>rpuckett@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>15</b></li> </ul> <p>Click <b>Add Student</b></p> <p>Click <b>OK</b></p>	<p>Rylee Puckett is added to the Student Directory between Dylan Nolan and Cassandra Schwartz</p>	<p>Rylee Puckett is added to Student Directory between Dylan Nolan and Cassand Schwartz</p>
Add ent -	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.</p> <p>Enter the following in the Student Information section:</p>		

	<ul style="list-style-type: none"> <li>• First Name: <b>Melvin</b></li> <li>• Last Name: <b>Acevedo</b></li> <li>• ID: <b>macevedo</b></li> <li>• Email: <b>macevedo@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>15</b></li> </ul> <p>Click <b>Add Student</b></p> <p>Click <b>OK</b></p>	Melvin Acevedo is added to the Student Directory and is the first student in the list.	Melvin Acevedo is added to the Student Directory and is the first student in the list.
over event - action	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).</p> <p>Click <b>Remove Student</b></p>	Error Message: No student selected	Error Message: No student selected
over event - file	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).</p> <p>Select <b>Shannon Hansen</b></p> <p>Click <b>Remove student</b></p>	Shannon Hansen is removed. Athea Hicks follows Emerald Frost in the list	Shannon Hansen is removed. Athea Hicks follows Emerald Frost in the list
over event -	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T14 has run.</p> <p>Select <b>Melvin Acevedo</b></p> <p>Click <b>Remove student</b></p>	Melvin Acevedo is removed. Demetrius Austin is front of the directory	Melvin Acevedo is removed. Demetrius Austin is front of the directory

ove ent -	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T12 has run.</p> <p>Select <b>Patience Wilkins</b></p> <p>Click <b>Remove student</b></p>	<p>Patience Wilkins is removed. Griffith Stone is last in the directory</p>	<p>Patience Wilkins is removed. Griffith Stone is last in the directory</p>
ent :tory	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T12-T18 have run.</p> <p>Click <b>Save Student Directory</b></p> <p>Select <b>test-files</b> directory and name the file <b>t19_student_directory.txt</b>.</p>	<p>Contents should be (note that the password hash may be different due to encoding):</p> <p>Demetrius,Austin,daustin,Cura bitur.egestas.nunc@placator cilacus.co.uk,0ÉRú±"ÀùuY!Ù\7 X²F'pâ9•{-OîFâapÄ,18 Lane,Berg,lberg,sociis@non.or g,0ÉRú±"ÀùuY!Ù\7X²F'pâ9•{- OîFâapÄ,14 Raymond,Brennan,rbrennan,lit ora.torquent@pellentesquema ssalobortis.ca,0ÉRú±"ÀùuY!Ù\7 X²F'pâ9•{-OîFâapÄ,12 Emerald,Frost,efrost,adipiscing @acipsumPhasellus.edu,0ÉRú ±"ÀùuY!Ù\7X²F'pâ9•{- OîFâapÄ,3 Althea,Hicks,ahicks,Phasellus. dapibus@luctusfelis.com,0ÉRú ±"ÀùuY!Ù\7X²F'pâ9•{- OîFâapÄ,11 Zahir,King,zking,orci.Donec@a metmassaQuisque.com,0ÉRú± "ÀùuY!Ù\7X²F'pâ9•{- OîFâapÄ,15</p>	<p>Contents are (Hashing is identical due to major issue replacing with Mac hashin</p> <p>Demetrius,Austin,daustin,Cura bitur.egestas.nunc@placator cilacus.co.uk,0ÉRú±"ÀùuY!Ù\7 X²F'pâ9•{-OîFâapÄ,18 Lane,Berg,lberg,sociis@non.or g,0ÉRú±"ÀùuY!Ù\7X²F'pâ9•{- OîFâapÄ,14 Raymond,Brennan,rbrennan,lit ora.torquent@pellentesquema ssalobortis.ca,0ÉRú±"ÀùuY!Ù\7 X²F'pâ9•{-OîFâapÄ,12 Emerald,Frost,efrost,adipiscing @acipsumPhasellus.edu,0ÉRú ±"ÀùuY!Ù\7X²F'pâ9•{- OîFâapÄ,3 Althea,Hicks,ahicks,Phase dapibus@luctusfelis.com,0ÉRú ±"ÀùuY!Ù\7X²F'pâ9•{- OîFâapÄ,11 Zahir,King,zking,orci.Donec@a metmassaQuisque.com,0ÉRú± "ÀùuY!Ù\7X²F'pâ9•{- OîFâapÄ,15</p>



		Dylan,Nolan,dnolan,placeras.dictum@dictum.net,0ÉRú±"ÃùuŸ!Û\7X²F´pâ9•{-OîFâapÄ,5 Rylee,Puckett,rpuckett,rpuckett@ncsu.edu,0ÉRú±"ÃùuŸ!Û\7X²F´pâ9•{-OîFâapÄ,15 Cassandra,Schwartz,cschwartz,semper@imperdietornare.co.uk,0ÉRú±"ÃùuŸ!Û\7X²F´pâ9•{-OîFâapÄ,4 Griffith,Stone,gstone,porta@magnumalesuadavel.net,0ÉRú±"ÃùuŸ!Û\7X²F´pâ9•{-OîFâapÄ,17	Dylan,Nolan,dnolan,placeras.dictum@dictum.net,0ÉRú±"ÃùuŸ!Û\7X²F´pâ9•{-OîFâapÄ,5 Rylee,Puckett,rpuckett,rpuckett@ncsu.edu,0ÉRú±"ÃùuŸ!Û\7X²F´pâ9•{-OîFâapÄ,15 Cassandra,Schwartz,cschwartz,semper@imperdietornare.co.uk,0ÉRú±"ÃùuŸ!Û\7X²F´pâ9•{-OîFâapÄ,4 Griffith,Stone,gstone,porta@magnumalesuadavel.net,0ÉRú±"ÃùuŸ!Û\7X²F´pâ9•{-OîFâapÄ,17
New ent :tory	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T12-T18 have run.  Click <b>New Student Directory</b>	An empty student directory is shown.	An empty student directory is shown.
Add ent -	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T20 has run.  Enter the following in the Student Information section: <ul style="list-style-type: none"> <li>• First Name: <b>Patience</b></li> <li>• Last Name: <b>Wilkins</b></li> <li>• ID: <b>pwilkins</b></li> <li>• Email: <b>pwilkins@ncsu.edu</b></li> <li>• Password: <b>pw</b></li> <li>• Repeat Password: <b>pw</b></li> <li>• Max Credits: <b>15</b></li> </ul> Click <b>Add Student</b>	Patience Wilkins is added to the Student Directory and is	Patience Wilkins is added to the Student Directory and

	Click <b>OK</b>	the only student in the list.	the only student in the list.
se log	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).  Click <b>Course Catalog</b>	Course Catalog functionality displayed	Course Catalog functional displayed
se log	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2)  Click <b>Load Course Catalog</b> Select <b>test-files/course_records.txt</b> Click <b>Select</b>	8 courses are listed starting with CSC116-001 and ending with CSC230-001	8 courses are listed starting with CSC116-001 and ending with CSC230-001
Add id se - ame	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section: <ul style="list-style-type: none"> <li>• Course Name:</li> <li>• Course Title: <b>Computer Organization and Assembly Language</b></li> <li>• Course Section: <b>001</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>lasher</b></li> <li>• Start Time: <b>10:15 AM</b></li> <li>• End Time: <b>11:30 AM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> Click <b>Add Course</b>  Click <b>OK</b>	Error Message: Invalid course name	Error Message: Invalid course name
Add	Preconditions: PackSchedulerGUI has loaded and		

id se - le	<p>registrar user is logged in (T2). T23 has run.</p> <p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC236</b></li> <li>• Course Title:</li> <li>• Course Section: <b>001</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>lasher</b></li> <li>• Start Time: <b>10:15 AM</b></li> <li>• End Time: <b>11:30 AM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid course title	Error Message: Invalid course title
Add id se - on	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.</p> <p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC236</b></li> <li>• Course Title: <b>Computer Organization and Assembly Language</b></li> <li>• Course Section:</li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>lasher</b></li> <li>• Start Time: <b>10:15 AM</b></li> <li>• End Time: <b>11:30 AM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid section number	Error Message: Invalid section number
Add id	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.		

se - on hort	<p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC236</b></li> <li>• Course Title: <b>Computer Organization and Assembly Language</b></li> <li>• Course Section: <b>0011</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>lasher</b></li> <li>• Start Time: <b>10:15 AM</b></li> <li>• End Time: <b>11:30 AM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid section number	Error Message: Invalid section number
Add id se - on ong	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.</p> <p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC236</b></li> <li>• Course Title: <b>Computer Organization and Assembly Language</b></li> <li>• Course Section: <b>01</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>lasher</b></li> <li>• Start Time: <b>10:15 AM</b></li> <li>• End Time: <b>11:30 AM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid section number	Error Message: Invalid section number
Add id	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.</p>		

se - ctor	<p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC236</b></li> <li>• Course Title: <b>Computer Organization and Assembly Language</b></li> <li>• Course Section: <b>001</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id:</li> <li>• Start Time: <b>10:15 AM</b></li> <li>• End Time: <b>11:30 AM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid instructor unity id	Error Message: Invalid instructor unity id
Add id se - ime start	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.</p> <p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC236</b></li> <li>• Course Title: <b>Computer Organization and Assembly Language</b></li> <li>• Course Section: <b>001</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>lasher</b></li> <li>• Start Time: <b>11:30 AM</b></li> <li>• End Time: <b>10:15 AM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid meeting times	Error Message: Invalid meeting times
Add id	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.		

se - ing	<p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC236</b></li> <li>• Course Title: <b>Computer Organization and Assembly Language</b></li> <li>• Course Section: <b>001</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>lasher</b></li> <li>• Start Time: <b>10:15 AM</b></li> <li>• End Time: <b>11:30 AM</b></li> <li>• Meeting Days:</li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	Error Message: Invalid meeting days	Error Message: Invalid meeting days
Add se -	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.</p> <p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC236</b></li> <li>• Course Title: <b>Computer Organization and Assembly Language</b></li> <li>• Course Section: <b>001</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>lasher</b></li> <li>• Start Time: <b>10:15 AM</b></li> <li>• End Time: <b>11:30 AM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	CSC236-001 is added to the list at the end following CSC230-001	CSC236-001 is added to the list at the end following CSC230-001
Add se -	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.		

	<p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC113</b></li> <li>• Course Title: <b>Introduction to Computer - MATLAB</b></li> <li>• Course Section: <b>001</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>tbdimitr</b></li> <li>• Start Time: <b>3:00 PM</b></li> <li>• End Time: <b>3:50 PM</b></li> <li>• Meeting Days: <b>Monday &amp; Wednesday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	CSC113-001 is added to the list at the front and is followed by CSC116-001.	CSC113-001 is added to the list at the front and is followed by CSC116-001.
Add se - le	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.</p> <p>Enter the following in the Course Information section:</p> <ul style="list-style-type: none"> <li>• Course Name: <b>CSC116</b></li> <li>• Course Title: <b>Introduction to Programming - Java</b></li> <li>• Course Section: <b>006</b></li> <li>• Credits: <b>3</b></li> <li>• Instructor Id: <b>jdyoung2</b></li> <li>• Start Time: <b>10:40 AM</b></li> <li>• End Time: <b>12:30 PM</b></li> <li>• Meeting Days: <b>Tuesday &amp; Thursday</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	CSC116-006 is added to the list between CSC116-003 and CSC216-001.	CSC116-006 is added to the list between CSC116-003 and CSC216-001.
ove	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).		

se - tion	Click <b>Remove Course</b>	Error Message: No course selected	Error Message: No course selected
ove se - le	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).  Select <b>CSC216-001</b>  Click <b>Remove Course</b>	CSC216-001 is removed. CSC116-006 is followed by CSC216-002.	CSC216-001 is removed. CSC116-006 is followed b CSC216-002.
ove se -	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T33 has run.  Select <b>CSC113-001</b>  Click <b>Remove Course</b>	CSC113-001 is removed. CSC116-001 is the first course in the catalog	CSC113-001 is removed. CSC116-001 is the first co in the catalog
ove se -	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T32 has run.  Select <b>CSC236-001</b>  Click <b>Remove Course</b>	CSC236-001 is removed. CSC230-001 is the last course in the catalog	CSC236-001 is removed. CSC230-001 is the last co in the catalog
se log	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T32-T38 have run.  Click <b>Save Course Catalog</b>	Contents should be:  CSC116,Intro to Programming - Java,001,3,jdyoung2,MW,910,	Contents should be:  CSC116,Intro to Programr - Java,001,3,jdyoung2,MW,



	Select <b>test-files</b> directory and name the file <b>t39_course_catalog.txt</b> .	1100 CSC116,Intro to Programming - Java,002,3,spbalik,MW,1120,1 310 CSC116,Intro to Programming - Java,003,3,tbdimitr,TH,1120,1 310 CSC116,Java,006,3,jdyoung2, TH,1040,1230 CSC216,Programming Concepts - Java,002,4,jtking,MW,1330,14 45 CSC216,Programming Concepts - Java,601,4,jep,A CSC226,Discrete Mathematics for Computer Scientists,001,3,tmbarnes,MW F,935,1025 CSC230,C and Software Tools,001,3,dbsturgi,MW,1145 ,1300	1100 CSC116,Intro to Programr - Java,002,3,spbalik,MW,11 310 CSC116,Intro to Programr - Java,003,3,tbdimitr,TH,11 310 CSC116,Java,006,3,jdyou TH,1040,1230 CSC216,Programming Concepts - Java,002,4,jtking,MW,133 45 CSC216,Programming Concepts - Java,601,4,jep CSC226,Discrete Mathem for Computer Scientists,001,3,tmbarnes F,935,1025 CSC230,C and Software Tools,001,3,dbsturgi,MW, ,1300
New se log	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T12-T18 have run.  Click <b>New Course Catalog</b>	An empty course catalog is shown.	An empty course catalog i shown.
Add se -	Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T20 has run.  Enter the following in the Course Information section:		

	<ul style="list-style-type: none"> <li>• Course Name: <b>CSC216</b></li> <li>• Course Title: <b>Programming Concepts - Java</b></li> <li>• Course Section: <b>601</b></li> <li>• Credits: <b>4</b></li> <li>• Instructor Id: <b>jep</b></li> <li>• Start Time:</li> <li>• End Time:</li> <li>• Meeting Days: <b>Arranged</b></li> </ul> <p>Click <b>Add Course</b></p> <p>Click <b>OK</b></p>	CSC216-601 is added to the list	CSC216-601 is added to t list
ut	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).</p> <p>Click <b>Logout</b></p>	User is returned to the Login view	User is returned to the Log view
ent	<p>Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T21 has run</p> <p>User ID: <b>pwilkins</b> Password: <b>pw</b></p> <p>Click: <b>Login</b></p>	pwilkins is logged in and is switched to the user view. All that is shown is a Logout button.	pwilkins is logged in and is switched to the user view. that is shown is a Logout button.