# Lab 06: Black Box Test Plan

## Test Overview

To run the tests:

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

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

The registrar’s information is provided in the registrar.properties file.

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

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| T1: Invalid Login | Preconditions: PackSchedulerGUI has loaded  User ID: **lberg**  Password: **pw**  Click **Login**  Click **OK**  Click **Clear** | Pop up with message “User doesn’t exist.”  User ID and password text fields are cleared. | **Entering the provided User ID, and the Password, a pop-up message is displayed saying “User doesn’t exist”** |
| T2: Registrar Login | Preconditions: PackSchedulerGUI has loaded  User ID: name as provided in registrar.properties  Password: password as provided in registrar.properties  Click **Login** | View switches to Registrar panel with Student Directory functionality displayed | **Adding the appropriate login information opened up the GUI, and the Student Directory functionality UI displayed** |
| T3: Load Student Directory | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2)  Click **Load Student Directory**  Select **test-files/student\_records.txt**  Click **Select** | 10 students are listed in alphabetical order by last name. The list starts with Demetrius Austin and ends with Griffith Stone. | **A list of 10 students was displayed, arranged in the alphabetical order, starting with Demetrius Austin, and ending with Griffith Stone** |
| T4: Add Invalid Student - no first name | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: * Last Name: **Wilkins** * ID: **pwilkins** * Email: **pwilkins@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Error Message: Invalid first name | **After adding the Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. Though a pop-up displayed with an error message “Invalid first name”** |
| T5: Add Invalid Student - no last name | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Patience** * Last Name: * ID: **pwilkins** * Email: **pwilkins@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Error Message: Invalid last name | **After adding the First Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. Though a pop-up displayed with an error message “Invalid last name”** |
| T6: Add Invalid Student - no id | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Patience** * Last Name: **Wilkins** * ID: * Email: **pwilkins@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Error Message: Invalid id | **After adding the First Name, Last Name, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. Though a pop-up displayed with an error message “Invalid id”** |
| T7: Add Invalid Student - no email | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Patience** * Last Name: **Wilkins** * ID: **pwilkins** * Email: * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Error Message: Invalid email | **After adding the First Name, Last Name, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. Though a pop-up displayed with an error message “Invalid email”** |
| T8: Add Invalid Student - invalid email | PPreconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Patience** * Last Name: **Wilkins** * ID: **pwilkins** * Email: **pwilkinsncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Error Message: Invalid email | **After adding the First Name, Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. Though a pop-up displayed with an error message “Invalid email”** |
| T9: Add Invalid Student - passwords don’t match | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Patience** * Last Name: **Wilkins** * ID: **pwilkins** * Email: **pwilkins@ncsu.edu** * Password: **pw1** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Error Message: Passwords do not match | **After adding the First Name, Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. Though a pop-up displayed with an error message “Passwords do not match”** |
| T10: Add Invalid Student - zero max credits | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Patience** * Last Name: **Wilkins** * ID: **pwilkins** * Email: **pwilkins@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **0**   Click **Add Student**  Click **OK** | Patience Wilkins is added to the Student Directory and is the last student in the list. Max credits is set to 18. | **After adding the First Name, Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. New student with the name Patience Wilkins, was added as the last student on the list** |
| T11: Add Invalid Student - 19 max credits | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Alice** * Last Name: **Adams** * ID: **aadams** * Email: **aadams@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **19**   Click **Add Student**  Click **OK** | Alice Adams is added to the Student Directory and is the first student in the list. Max credits is set to 18. | **After adding the First Name, Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. New student with the name Alice Adams, was added as the first student on the list** |
| T12: Add Student - end | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Mikayla** * Last Name: **William** * ID: **mwilliam** * Email: **mwilliam@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Mikayla William is added to the Student Directory and is the last student in the list. | **After adding the First Name, Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. New student with the name Mikayla William, was added as the last student on the list** |
| T13: Add Student - middle | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Rylee** * Last Name: **Puckett** * ID: **rpuckett** * Email: **rpuckett@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Rylee Puckett is added to the Student Directory between Dylan Nolan and Cassandra Schwartz | **After adding the First Name, Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. New student with the name Rylee Puckett, was added to the list, in between Dylan Nolan and Cassandra Schwartz** |
| T14: Add Student - front | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T3 has run.  Enter the following in the Student Information section:   * First Name: **Melvin** * Last Name: **Acevedo** * ID: **macevedo** * Email: **macevedo@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Melvin Acevedo is added to the Student Directory and is the first student in the list. | **After adding the First Name, Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. New student with the name Melvin Acevedo, was added as the first student on the list** |
| T15: Remove Student - no selection | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).  Click **Remove Student** | Error Message: No student selected | **While No Student is selected, and Remove Student button is pressed, a pop is shown with the message “No student selected”** |
| T16: Remove Student - middle | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).  Select **Shannon Hansen**  Click **Remove student** | Shannon Hansen is removed. Athea Hicks follows Emerald Frost in the list | **After selecting Shannon Hansen and then pressing the remove button, Shannon Hansen was removed from the list, and Athea Hicks followed Emerald Frost in the list** |
| T17: Remove Student - front | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T14 has run.  Select **Melvin Acevedo**  Click **Remove student** | Melvin Acevedo is removed. Demetrius Austin is front of the directory | **After selecting Melvin Acevedo and then pressing the remove button, Melvin Acevedo was removed from the list, and Demetrius Austin comes to the front of the list** |
| T18: Remove Student - back | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T12 has run.  Select **Mikayla William**  Click **Remove student** | Mikayla William is removed. Griffith Stone is last in the directory | **After selecting Mikayla William and then pressing the remove button, Mikayla William was removed from the list, and Griffith Stone comes as the last in the list** |
| T19: Save Student Directory | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T12-T18 have run.  Click **Save Student Directory**  Select **test-files** directory and name the file **t19\_student\_directory.txt**. | Contents should be (note that the password hash may be different due to encoding):  Alice,Adams,aadams,aadams@ncsu.edu,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,18  Demetrius,Austin,daustin,Curabitur.egestas.nunc@placeratorcilacus.co.uk,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,18  Lane,Berg,lberg,sociis@non.org,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,14  Raymond,Brennan,rbrennan,litora.torquent@pellentesquemassalobortis.ca,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,12  Emerald,Frost,efrost,adipiscing@acipsumPhasellus.edu,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,3  Althea,Hicks,ahicks,Phasellus.dapibus@luctusfelis.com,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,11  Zahir,King,zking,orci.Donec@ametmassaQuisque.com,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,15  Dylan,Nolan,dnolan,placerat.Cras.dictum@dictum.net,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,5  Rylee,Puckett,rpuckett,rpuckett@ncsu.edu,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,15  Cassandra,Schwartz,cschwartz,semper@imperdietornare.co.uk,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,4  Griffith,Stone,gstone,porta@magnamalesuadavel.net,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,17  Patience,Wilkins,pwilkins,pwilkins@ncsu.edu,0ÉRú±"ÃùuŸ¦Ù\7X²F´þâ9•{-OîFâapÄ,18 | **After pressing the Save Student Directory button and saving the file with name t19\_student\_directory.txt in the test-files folder, a file consisting of the following Students was saved:**   * **Alice Adams** * **Demetrius Austin** * **Lane Berg** * **Raymond Brennan** * **Emerald Frost** * **Althea Hicks** * **Zahir King** * **Dylan Nolan** * **Rylee Puckett** * **Cassandra Schwartz** * **Griffth Stone** * **Patience Wilkins** |
| T20: New Student Directory | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T12-T18 have run.  Click **New Student Directory** | An empty student directory is shown. | **Clicking the button New Student Directory, a new empty Student Directory appears** |
| T21: Add Student - first | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T20 has run.  Enter the following in the Student Information section:   * First Name: **Patience** * Last Name: **Wilkins** * ID: **pwilkins** * Email: **pwilkins@ncsu.edu** * Password: **pw** * Repeat Password: **pw** * Max Credits: **15**   Click **Add Student**  Click **OK** | Patience Wilkins is added to the Student Directory and is the only student in the list. | **After adding the First Name, Last Name, ID, Email, Password, Repeat Password, and Max Credits, the Add student was pressed. New student with the name Patience Wilkins, was added as the first student on the list** |
| T22: Course Catalog view | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).  Click **Course Catalog** | Course Catalog functionality displayed | **Clicking the Course Catalog button, a Course Catalog UI View appears** |
| T23: Load Course Catalog | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2)  Click **Load Course Catalog**  Select **test-files/course\_records.txt**  Click **Select** | 13 courses are listed starting with CSC116-001 and ending with CSC316-001 | **Loading the course\_records.txt file, a list of 13 courses staring with CSC116-001 and ending with CSC316-001** |
| T24: Add Invalid Course - no name | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: * Course Title: **Computer Organization and Assembly Language** * Course Section: **001** * Credits: **3** * Instructor Id: **lasher** * Start Time: **10:15 AM** * End Time: **11:30 AM** * Meeting Days: **Tuesday & Thursday**   Click **Add Course**  Click **OK** | Error Message: Invalid course name | **After adding the Course Title, Section, Credits, Instructor Id, Start Time, End Time, and Meeting Days the Add Course button was pressed. An error message pops-up with the message “Invalid course name”** |
| T25: Add Invalid Course - no title | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC236** * Course Title: * Course Section: **001** * Credits: **3** * Instructor Id: **lasher** * Start Time: **10:15 AM** * End Time: **11:30 AM** * Meeting Days: **Tuesday & Thursday**   Click **Add Course**  Click **OK** | Error Message: Invalid title. | **After adding the Course Name, Course Section, Credits, Instructor Id, Start Time, End Time, and Meeting Days the Add Course button was pressed. An error message pops-up with the message “Invalid title”** |
| T26: Add Invalid Course - no section | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC236** * Course Title: **Computer Organization and Assembly Language** * Course Section: * Credits: **3** * Instructor Id: **lasher** * Start Time: **10:15 AM** * End Time: **11:30 AM** * Meeting Days: **Tuesday & Thursday**   Click **Add Course**  Click **OK** | Error Message: Invalid section | **After adding the Course Name, Course Title, Credits, Instructor Id, Start Time, End Time, and Meeting Days the Add Course button was pressed. An error message pops-up with the message “Invalid section”** |
| T27: Add Invalid Course - section too short | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC236** * Course Title: **Computer Organization and Assembly Language** * Course Section: **0011** * Credits: **3** * Instructor Id: **lasher** * Start Time: **10:15 AM** * End Time: **11:30 AM** * Meeting Days: **Tuesday & Thursday**   Click **Add Course**  Click **OK** | Error Message: Invalid section | **After adding the Course Name, Course Title, Course Section, Credits, Instructor Id, Start Time, End Time, and Meeting Days the Add Course button was pressed. An error message pops-up with the message “Invalid section”** |
| T28: Add Invalid Course - section too long | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC236** * Course Title: **Computer Organization and Assembly Language** * Course Section: **01** * Credits: **3** * Instructor Id: **lasher** * Start Time: **10:15 AM** * End Time: **11:30 AM** * Meeting Days: **Tuesday & Thursday**   Click **Add Course**  Click **OK** | Error Message: Invalid section | **After adding the Course Name, Course Title, Course Section, Credits, Instructor Id, Start Time, End Time, and Meeting Days the Add Course button was pressed. An error message pops-up with the message “Invalid section”** |
| T29: Add Invalid Course - no instructor id | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC236** * Course Title: **Computer Organization and Assembly Language** * Course Section: **001** * Credits: **3** * Instructor Id: * Start Time: **10:15 AM** * End Time: **11:30 AM** * Meeting Days: **Tuesday & Thursday**   Click **Add Course**  Click **OK** | Error Message: Invalid instructor id. | **After adding the Course Name, Course Title, Course Section, Credits, Start Time, End Time, and Meeting Days the Add Course button was pressed. An error message pops-up with the message “Invalid instructor id”** |
| T30: Add Invalid Course - end time after start time | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC236** * Course Title: **Computer Organization and Assembly Language** * Course Section: **001** * Credits: **3** * Instructor Id: **lasher** * Start Time: **11:30 AM** * End Time: **10:15 AM** * Meeting Days: **Tuesday & Thursday**   Click **Add Course**  Click **OK** | Error Message: Invalid meeting days and times. | **After adding the Course Name, Course Title, Course Section, Credits, Start Time, End Time, and Meeting Days the Add Course button was pressed. An error message pops-up with the message “Invalid meeting days and times”** |
| T31: Add Invalid Course - no meeting days | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC236** * Course Title: **Computer Organization and Assembly Language** * Course Section: **001** * Credits: **3** * Instructor Id: **lasher** * Start Time: **10:15 AM** * End Time: **11:30 AM** * Meeting Days:   Click **Add Course**  Click **OK** | Error Message:Invalid meeting days and times. | **After adding the Course Name, Course Title, Course Section, Credits, Start Time, and End Time the Add Course button was pressed. An error message pops-up with the message “Invalid meeting days and times”** |
| T32: Add Course - end | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC492** * Course Title: **Senior Design** * Course Section: **001** * Credits: **3** * Instructor Id: **heil** * Start Time: **9:30AM** * End Time: **11:20AM** * Meeting Days: **Monday & Wednesday**   Click **Add Course**  Click **OK** | CSC492-001 is added to the list after CSC316-001 | **After adding the Course Name, Course Title, Course Section, Credits, Start Time, End Time, and Meeting Days the Add Course button was pressed. The appropriate course was added at the last of the list** |
| T33: Add Course - front | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC113** * Course Title: **Introduction to Computing - MATLAB** * Course Section: **001** * Credits: **3** * Instructor Id: **tbdimitr** * Start Time: **3:00 PM** * End Time: **3:50 PM** * Meeting Days: **Monday & Wednesday**   Click **Add Course**  Click **OK** | CSC113-001 is added to the list at the front and is followed by CSC116-001. | **After adding the Course Name, Course Title, Course Section, Credits, Start Time, End Time, and Meeting Days the Add Course button was pressed. The appropriate course was added at the top of the list** |
| T34: Add Course - middle | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run.  Enter the following in the Course Information section:   * Course Name: **CSC116** * Course Title: **Introduction to Programming - Java** * Course Section: **006** * Credits: **3** * Instructor Id: **jdyoung2** * Start Time: **10:40 AM** * End Time: **12:30 PM** * Meeting Days: **Tuesday & Thursday**   Click **Add Course**  Click **OK** | CSC116-006 is added to the list between CSC116-003 and CSC216-001. | **After adding the Course Name, Course Title, Course Section, Credits, Start Time, End Time, and Meeting Days the Add Course button was pressed. The appropriate course was added between CSC116-003 and CSC216-001.** |
| T35: Remove Course - no selection | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).  Click **Remove Course** | Error Message: No course selected | **While No Course is selected, and Remove Course button is pressed, a pop is shown with the message “No course selected”** |
| T36: Remove Course - middle | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).  Select **CSC216-001**  Click **Remove Course** | CSC216-001 is removed. CSC116-006 is followed by CSC216-002. | **CSC216-001 is removed, after pressing the Remove Course button. Now CSC116-006 is followed by CSC216-002** |
| T37: Remove Course - front | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T33 has run.  Select **CSC113-001**  Click **Remove Course** | CSC113-001 is removed. CSC116-001 is the first course in the catalog | **CSC113-001 is removed, after pressing the Remove Course button. Now CSC116-001 is the first course in the catalog** |
| T38: Remove Course - back | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T32 has run.  Select **CSC492-001**  Click **Remove Course** | CSC492-001 is removed.  CSC316-001 is the last course in the catalog | **CSC492-001 is removed, after pressing the Remove Course button. Now CSC316-001 is the last course in the catalog** |
| T39: Save Course Catalog | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T32-T38 have run.  Click **Save Course Catalog**  Select **test-files** directory and name the file **t39\_course\_catalog.txt**. | Contents should be:  CSC116,Intro to Programming - Java,001,3,jdyoung2,MW,910,1100  CSC116,Intro to Programming - Java,002,3,spbalik,MW,1120,1310  CSC116,Intro to Programming - Java,003,3,tbdimitr,TH,1120,1310  CSC116,Introduction to Programming - Java,006,3,jdyoung2,TH,1040,1230  CSC216,Software Development Fundamentals,002,3,ixdoming,MW,1330,1445  CSC216,Software Development Fundamentals,601,3,jctetter,A  CSC217,Software Development Fundamentals Lab,202,1,sesmith5,M,1040,1230  CSC217,Software Development Fundamentals Lab,211,1,sesmith5,T,830,1020  CSC217,Software Development Fundamentals Lab,223,1,sesmith5,W,1500,1650  CSC217,Software Development Fundamentals Lab,601,1,sesmith5,A  CSC226,Discrete Mathematics for Computer Scientists,001,3,tmbarnes,MWF,935,1025  CSC230,C and Software Tools,001,3,dbsturgi,MW,1145,1300  CSC316,Data Structures and Algorithms,001,3,jtking,MW,830,945 | **After pressing the Save Student Directory button and saving the file with name t19\_student\_directory.txt in the test-files folder, a file consisting of the following Students was saved:**   * **CSC116 001** * **CSC116 002** * **CSC116 003** * **CSC116 006** * **CSC216 002** * **CSC216 601** * **CSC217 202** * **CSC217 211** * **CSC217 223** * **CSC217 601** * **CSC226 001** * **CSC230 001** * **CSC316 001** |
| T40: New Course Catalog | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T12-T18 have run.  Click **New Course Catalog** | An empty course catalog is shown. | **Pressing the New Course Catalog button, a new empty Course Catalog screen is displayed** |
| T41: Add Course - first | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T20 has run.  Enter the following in the Course Information section:   * Course Name: **CSC216** * Course Title: **Programming Concepts - Java** * Course Section: **601** * Credits: **4** * Instructor Id: **jctetter** * Start Time: * End Time: * Meeting Days: **Arranged**   Click **Add Course**  Click **OK** | CSC216-601 is added to the list | **After adding the Course Name, Course Title, Course Section, Credits, and Meeting Days the Add Course button was pressed. The appropriate course was added at the top of the list as the first course in the empty course catalog** |
| T42: Logout | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2).  Click **Logout** | User is returned to the Login view | **Pressing the Logout button logs out the user, and the course catalog view closes** |
| T42: Login Student | Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T21 and T42 have run.  User ID: **pwilkins**  Password: **pw**  Click: **Login** | pwilkins is logged in and is switched to the user view. All that is shown is a Logout button. | **Inputting the valid User ID, and password from the registrar.properties files causes the user to be able to log in. Though using pwilkins as the User ID, and pw as Password prompts a pop-up message stating that user doesn’t exist** |