# Lab 12: 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 tests files should be located in the test-files/ folder.

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.

## Test Initialization

Each test should start with the following steps:

1. Log in as a registrar using the id “registrar” and password “Regi5tr@r”
2. Click on Student Directory button
3. Click on Load Student Directory button
4. Load test-files/student\_records.txt. Click Select button.
5. Click Faculty Directory button
6. Click on Load Faculty Directory button
7. Load test-files/faculty\_records\_extended.txt. Click Select button.
8. Click Course Catalog button
9. Click on Load Course Catalog button
10. Load test-files/course\_records.txt. Click Select button.
11. Logout.

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| 1 – Faculty – no classes | On login page, enter:   * In User ID field: “nbrady” * In Password field: “pw”   *Check results.* | Faculty Schedule Panel loads. There are three distinct sections: Faculty Schedule, Course Details, and Course Roll. All fields are empty. | Faculty Schedule Panel loads.  There are three sections, with all fields blank.  Pressing logout button returns user to the login panel. |
| 2 – Faculty – 1 class | On login page, enter:   * In User ID field: “sesmith5” * In Password field: “pw”   Check results.  Select CSC216 from the Faculty Schedule.  Check results. | Faculty Schedule Panel loads. There are three distinct sections: Faculty Schedule, Course Details, and Course Roll.  There is one course listed in the Faculty Schedule Panel, and both other sections are blank.  After clicking on CSC216, the Course Details section is populated with the following:  Name: CSC216  Section: 001  Title: Programming Concepts – Java  Credits: 4  Instructor: sesmith5  Meeting: TH 1:30PM-2:45PM  Enrollment Cap: 10  Open Seats: 10  Waitlist: No | Faculty Schedule Panel loads. There are three distinct sections: Faculty Schedule, Course Details, and Course Roll.  There is one course listed in the Faculty Schedule Panel, and both other sections are blank.  After clicking on CSC216, the Course Details section is populated with the following:  Name: CSC216  Section: 001  Title: Programming Concepts – Java  Credits: 4  Instructor: sesmith5  Meeting: TH 1:30PM-2:45PM  Enrollment Cap: 10  Open Seats: 10  Waitlist: |
| 3 – Faculty – 2 classes | On login page, enter:   * In User ID field: “jtking” * In Password field: “pw”   Check results.  Click on CSC116-004.  Check results.  Click on CSC216-002.  Check results. | Faculty Schedule Panel loads. There are three distinct sections: Faculty Schedule, Course Details, and Course Roll.  There is one course listed in the Faculty Schedule Panel, and both other sections are blank.  After clicking on CSC116, the Course Details section is populated with the following:  Name: CSC116  Section: 004  Title: Intro to Programming – Java  Credits: 3  Instructor: jtking  Meeting: TH 9:10AM-11:00AM  Enrollment Cap: 10  Open Seats: 10  Waitlist: No  After clicking on CSC216, the Course Details section is repopulated with the following:  Name: CSC216  Section: 002  Title: Programming Concepts – Java  Credits: 4  Instructor: jtking  Meeting: MW 1:30PM-2:45PM  Enrollment Cap: 10  Open Seats: 10  Waitlist: No | Faculty Schedule Panel loads. There are three distinct sections: Faculty Schedule, Course Details, and Course Roll.  There is one course listed in the Faculty Schedule Panel, and both other sections are blank.  After clicking on CSC116, the Course Details section is populated with the following:  Name: CSC116  Section: 004  Title: Intro to Programming – Java  Credits: 3  Instructor: jtking  Meeting: TH 9:10AM-11:00AM  Enrollment Cap: 10  Open Seats: 10  Waitlist:  After clicking on CSC216, the Course Details section is repopulated with the following:  Name: CSC216  Section: 002  Title: Programming Concepts – Java  Credits: 4  Instructor: jtking  Meeting: MW 1:30PM-2:45PM  Enrollment Cap: 10  Open Seats: 10  Waitlist: |
| 4 – Faculty – class with students | On login page, enter:   * In User ID field: “efrost” * In Password field: “pw”   Select CSC116-001 and click Add Course button.  Logout.  On login page, enter:   * In User ID field: “jdyoung2” * In Password field: “pw”   Click on CSC116-001 in Faculty Schedule section.  Check results. | Faculty Schedule Panel loads. There are three distinct sections: Faculty Schedule, Course Details, and Course Roll.  After clicking on CSC116, Course Details section is populated with the following:  Name: CSC116  Section: 001  Title: Intro to Programming – Java  Credits: 3  Instructor: jdyoung2  Meeting: MW 9:10AM-11:00AM  Enrollment Cap: 10  Open Seats: 9  Waitlist: No  Course Roll section is populated with the following:  Emerald Frost efrost | After clicking CSC116,  Course Details section is populated with the following:  Name: CSC116  Section: 001  Title: Intro to Programming – Java  Credits: 3  Instructor: jdyoung2  Meeting: MW 9:10AM-11:00AM  Enrollment Cap: 10  Open Seats: 9  Waitlist:  Course Roll section is populated with the following:  Emerald Frost efrost |
| Test 5 –  StudentDirectoryPanel Cancel | Log in as a registrar using the id “registrar” and password “Regi5tr@r”  Click on Student Directory button  Click on Load Student Directory button  Click Cancel button.  Check results. | Returns to Student Directory panel with no changes. | User is returned to Student Directory panel with no changes. |
| Test 6 – FacultyDirectoryPanel cancel | Log in as a registrar using the id “registrar” and password “Regi5tr@r”  Click on Faculty Directory button  Click on Load Faculty Directory button  Click Cancel button.  Check results. | Returns to Faculty Directory panel with no changes. | User is returned to Faculty Directory panel with no changes. |
| Test 7 – CourseCatalogPanel cancel | Log in as a registrar using the id “registrar” and password “Regi5tr@r”  Click on Course Catalog button  Click on Load Course Catalog button  Click Cancel button.  Check results. | Returns to Course Catalog panel with no changes. | User is returned to Course Catalog panel with no changes. |