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
TC1 – Faculty Schedule no Courses	Preconditions: Fulfilled above initialization User ID: **awitt** Password: **pw** Click **Login** Click **OK**	Faculty Schedule Panel initializes for awitt with no courses under Faculty Schedule, no values for Course Details and no students under Course Roll	Faculty Schedule Panel initializes for awitt with no courses under Faculty Schedule, no values for Course Details and no students under Course Roll
TC2 – Faculty Schedule with Courses no Students	Preconditions: Fulfilled above initialization User ID: **registrar** Password: **Regi5tr@r** Click **Login** Click **Faculty Assignment** Select **Ashley Witt (awitt)** from the Faculty Directory Select **CSC116, Section 001** from the Course Catalog Click **Assign Faculty to Course** Click **Logout** User ID: **awitt** Password: **pw** Click **Login** Select **CSC116, Section 001** from Faculty Schedule	Faculty Schedule shows CSC116, Section 001 highlighted and the Course Details are displayed as follows: Name: CSC116 Section: 001 Title: Intro to Programming – Java Instructor: awitt Credits: 3 Meeting: MW 9:10 AM – 11:00 AM Enrollment Cap: 10 Open Seats: 10 Waitlist: 0 There are no students under the Course Roll.	Faculty Schedule shows CSC116, Section 001 highlighted and the Course Details are displayed as follows: Name: CSC116 Section: 001 Title: Intro to Programming – Java Instructor: awitt Credits: 3 Meeting: MW 9:10 AM – 11:00 AM Enrollment Cap: 10 Open Seats: 10 Waitlist: 0 There are no students under the Course Roll.
TC3 – Faculty	Preconditions: TC2 has passed	Faculty Schedule shows CSC116, Section 001	Faculty Schedule shows CSC116, Section 001

Schedule with Courses with Students	Click **Logout** User ID: **daustin** Password: **pw** Click **Login** Select **CSC116, Section 001** from the Course Catalog Click **Add Course** Click **Logout** User ID: **awitt** Password: **pw** Click **Login** Select **CSC116, Section 001** from Faculty Schedule	highlighted and the Course Details are displayed as follows: Name: CSC116 Section: 001 Title: Intro to Programming – Java Instructor: awitt Credits: 3 Meeting: MW 9:10 AM – 11:00 AM Enrollment Cap: 10 Open Seats: 9 Waitlist: 0 Demetrius Austin (daustin) is shown under Course Roll	highlighted and the Course Details are displayed as follows: Name: CSC116 Section: 001 Title: Intro to Programming – Java Instructor: awitt Credits: 3 Meeting: MW 9:10 AM – 11:00 AM Enrollment Cap: 10 Open Seats: 9 Waitlist: 0 Demetrius Austin (daustin) is shown under Course Roll
TC4 – Student Directory Panel Save Cancel	Preconditions: Fulfilled test initialization User ID: **registrar** Password: **Regi5tr@r** Click **Login** Click **Student Directory** Click **Save Student Directory** In file chooser, click **Cancel**	User is taken back to the Student Directory Panel with no exceptions thrown in Eclipse	User is taken back to the Student Directory Panel with no exceptions thrown in Eclipse
TC5 – Student Directory Panel	Preconditions: Fulfilled test initialization User ID: **registrar** Password: **Regi5tr@r**	User is taken back to the Student Directory Panel with no exceptions thrown in Eclipse	User is taken back to the Student Directory Panel with no exceptions thrown in Eclipse

Load Cancel	Click **Login** Click **Student Directory** Click **Load Student Directory** In file chooser, click **Cancel**		
TC6 – Faculty Directory Panel Save Cancel	Preconditions: Fulfilled test initialization User ID: **registrar** Password: **Regi5tr@r** Click **Login** Click **Faculty Directory** Click **Save Student Directory** In file chooser, click **Cancel**	User is taken back to the Faculty Directory Panel with no exceptions thrown in Eclipse	User is taken back to the Faculty Directory Panel with no exceptions thrown in Eclipse
TC7 – Faculty Directory Panel Load Cancel	Preconditions: Fulfilled test initialization User ID: **registrar** Password: **Regi5tr@r** Click **Login** Click **Faculty Directory** Click **Load Faculty Directory** In file chooser, click **Cancel**	User is taken back to the Faculty Directory Panel with no exceptions thrown in Eclipse	User is taken back to the Faculty Directory Panel with no exceptions thrown in Eclipse
TC8 – Course Catalog Panel	Preconditions: Fulfilled test initialization User ID: **registrar** Password: **Regi5tr@r**	User is taken back to the Course Catalog Panel with no exceptions thrown in Eclipse	User is taken back to the Course Catalog Panel with no exceptions thrown in Eclipse

Save Cancel	Click **Login** Click **Course Catalog** Click **Save Course Catalog** In file chooser, click **Cancel**		
TC9 – Course Catalog Panel Load Cancel	Preconditions: Fulfilled test initialization User ID: **registrar** Password: **Regi5tr@r** Click **Login** Click **Course Catalog** Click **Load Course Catalog** In file chooser, click **Cancel**	User is taken back to the Course Catalog Panel with no exceptions thrown in Eclipse	User is taken back to the Course Catalog Panel with no exceptions thrown in Eclipse