# 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** |
| Test 0:  Test initialization | Log in as a registrar using the id “registrar” and password Regi5tr@r  Click on Student Directory button  Click on Load Student Directory button  Load test-files/student\_records.txt. Click Select button.  Click Faculty Directory button  Click on Load Faculty Directory button  Load test-files/faculty\_records\_extended.txt. Click Select button.  Click Course Catalog button  Click on Load Course Catalog button  Load test-files/course\_records.txt. Click Select button.  Logout.  Enter awitt for the User ID  Enter pw for the Password  Click Login  *Check results*  Click Logout | Faculty schedule panel is empty, Course Details has just the labels, and Course Rolls panel is empty. |  |
| Test 1:  Adding a student to a course with a instructor | **Preconditions: Test 0 without exiting the GUI**  Log in as a registrar using the id zking and password pw  Click on CSC116 section 001 and Click Add Course.  *Check results*  Logout  Log in as jdyoung2 with the password pw  *Check results*  Logout | CSC116 section 001 displays under Schedule panel.  Under Faculty Schedule, CSC116 section 001 is listed and Zahir King under Course Roll is listed. |  |
| Test 2:  Removing a student from a course | **Preconditions: Test 0 without exiting the GUI**  Log in with id zking and the password pw  Click on CSC116 section 001 under course catalog and click on Remove Course.  *Check results*  Click logout.  Log in with id jdyoung2 with the password pw  Click on the first row under Faculty Schedule panel and check the results.  Click logout | Schedule is now empty.  Course Roll is now empty. |  |
| Test 3:  Testing Load button for Student Directory | **Preconditions: none**  Log in with id registrar and password Regi5tr@r  Click on Student DIrectory tab.  Click on Load Student Directory Button.  Click Cancel and check results. | File chooser dialog disappears and nothing else happens. |  |
| Test 4:  Testing Save button for Save Student Directory | **Preconditions: Test 3 passes.**  Click on Save Student Directory Button.  Click Cancel and check results. | File chooser dialog disappears and nothing else happens. |  |
| Test 5: Testing Load button for Faculty Directory | **Preconditions: Test 4 passes.**  Click on Faculty Directory tab.  Click on Load Faculty Directory Button.  Click Cancel and check results. | File chooser dialog disappears and nothing else happens. |  |
| Test 6:  Testing Save Button for Faculty Directory | **Preconditions: Test 5 passes.**  Click on Save Faculty Directory button.  Click cancel and check results. | File chooser dialog disappears and nothing else happens. |  |
| Test 7:  Testing Load button for Course Catalog | **Preconditions: Test 6 passes.**  Click on Course Catalog tab.  Click on Load Course Catalog button.  Click cancel and check results. | File chooser dialog disappears and nothing else happens. |  |
| Test 8:  Testing Save button for Course Catalog | **Preconditions: Test 7 passes.**  Click on Save Course Catalog button.  Click cancel and check results.  Logout | File chooser dialog disappears and nothing else happens. |  |