# 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 1: testLogInFacultyWithCourse | **Preconditions: Initialization works**  Login as user:  Username: **spbalik**  Password: **pw**  Check results.  Click the only course in the list.  Check results. | Spbalik logs in and the panel shows a Faculty Schedule with the following Course: CSC116,Intro to Programming  -Java,002,3,spbalik,10,MW, 1120,1310  Course roll is empty.  Course Details section shows the following Course: CSC116,Intro to Programming - Java,002,3,spbalik,10,MW, 1120,1310 |  |
| Test 2: testLoginFacultyWithoutCourse | **Preconditions: Test 1 passes. Make sure user is logged out.**  Login as user:  Username: **awitt**  Password**: pw**  Check results. | Awitt logs in and the panel shows an empty Faculty Schedule. |  |
| Test 3:  testFacutlyCourseRoll | **Preconditions: Test 2 passes. Make sure user is logged out.**  Login as user:  Username: **registrar**  Password**: Regi5tr@r**  Add ‘**awitt**’ to Course **csc216-001**  Logout.  Login as user:  Username: **awitt**  Password**: pw**  Check results. | Faculty is added to the Course.  Csc216 should be in awitt’s faculty schedule. |  |