# 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: | Log in as registrar and go to the Faculty Assignment tab  Select the course CSC116 section number 001  and then select the remove faculty button | Then faculty id for CSC116 section 001 should say none | No instructor is listed for CSC 116 section 001 |
| Test 2: | Select the course CSC116 section number 001  and then enter “awitt” and select the assign faculty to course button | The faculty id for CSC116 section 001 should be awitt | Awitt is listed as the instructor for csc 116 section 001 |
| Test 3: | Go to the faculty directory and select fmeadow and then click the reset schedule button | The number of courses for fmeadow should be 0 |  |
| Test 4: Load student directory | Select student directory in the top left hand corner then select “Load Student Directory” when the file chooser opens click the cancel button | You should be returned to the student directory tab with no error messages showing up and no changes to the student directory tab | You are returned to the Student directory tab with no errors and no changes made |
| Test 5: Save Student Directory | Select student directory in the top left hand corner then select “Save Student Directory” when the file chooser opens click the cancel button | You should be returned to the student directory tab with no error messages showing up and no changes to the student directory tab | You are returned to the Student directory tab with no errors and no changes made |
| Test 6: Load student directory | Select faculty directory in the top left side then select “Load Faculty Directory” when the file chooser opens click the cancel button | You should be returned to the student directory tab with no error messages showing up and no changes to the student directory tab | You are returned to the Faculty directory tab with no errors and no changes made |
| Test 7: Save Student Directory | Select faculty directory in the top left side then select “Save Faculty Directory” when the file chooser opens click the cancel button | You should be returned to the student directory tab with no error messages showing up and no changes to the student directory tab | You are returned to the Faculty directory tab with no errors and no changes made |
| Test 8: Load student directory | Select course catalog in the top center then select “Load Course Catalog” when the file chooser opens click the cancel button | You should be returned to the student directory tab with no error messages showing up and no changes to the student directory tab | You are returned to the Course Catalog tab with no errors and no changes made |
| Test 9: Save Student Directory | Select course catalog in the top center then select “Save Course Catalog” when the file chooser opens click the cancel button | You should be returned to the student directory tab with no error messages showing up and no changes to the student directory tab | You are returned to the Course Catalog tab with no errors and no changes made |