# 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.

.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| testNoCourses | 1. Log in using the id “awitt” and the password “pw”. 2. *Check results.* 3. Logout. | An empty box labeled “Faculty Records” and one labeled “Course Roll” appear on screen. Between them is a rectangular panel with slots for each detail of a course, including name, section, instructor, and meeting time, among others. | **An empty box labeled “Faculty Records” and one labeled “Course Roll” appear on screen. Between them is a rectangular panel with slots for each detail of a course, including name, section, instructor, and meeting time, among others.** |
| testCourses | 1. Log in as a registrar. 2. Select Faculty Assignment. 3. Click on the first element of the Course Catalog table (CSC 116, 001). 4. Click on the first element of the Faculty Directory table (Ashley Witt). 5. Click “Assign Faculty to Course.” 6. Logout. 7. Log in using the id “awitt” and the password “pw”. 8. *Check results.* 9. Click on the first element of the table (CSC 116, 001). 10. *Check results.* 11. Logout. | In the Faculty Schedule box, the following is displayed:   * CSC116 * 001 * Intro to Programming – Java * MW 9:10 AM-11:00 AM * 10   The Course Details panel populates with the details for the course. | **In the Faculty Schedule box, the following is displayed:**   * **CSC116** * **001** * **Intro to Programming – Java** * **MW 9:10 AM-11:00 AM** * **10**   **The Course Details panel populates with the details for the course.** |
| testEnrollStudents | 1. Log in using the id “zking” and the password “pw”. 2. Click on the first element of the Course Catalog table. 3. Click “Add Course.” 4. Logout. 5. Log in using the id “awitt” and the password “pw”. 6. Click on the first element of the table (CSC 116, 001). 7. *Check results.* | “Open Seats” has changed to 9. In the Course Roll section, the following is displayed:   * Zahir * King * zking | **“Open Seats” has changed to 9. In the Course Roll section, the following is displayed:**   * **Zahir** * **King** * **zking** |
| testLoadCancelStudentDirectory | 1. Log in as registrar. 2. Click “Load Student Directory.” 3. Click “Cancel.” 4. *Check Results* 5. Log out. | The JFileChooser closes, and nothing in the main window changes. | **The JFileChooser closes, and nothing in the main window changes.** |
| testSaveCancelStudentDirectory | 1. Log in as registrar. 2. Click “Save Student Directory.” 3. Click “Cancel.” 4. *Check Results* 5. Log out. | The JFileChooser closes, and nothing in the main window changes. | **The JFileChooser closes, and nothing in the main window changes.** |
| testLoadCancelFacultyDirectory | 1. Log in as registrar. 2. Click “Load Faculty Directory.” 3. Click “Cancel.” 4. *Check Results* 5. Log out. | The JFileChooser closes, and nothing in the main window changes. | **The JFileChooser closes, and nothing in the main window changes.** |
| testSaveCancelFacultyDirectory | 1. Log in as registrar. 2. Click “Save Faculty Directory.” 3. Click “Cancel.” 4. *Check Results* 5. Log out. | The JFileChooser closes, and nothing in the main window changes. | **The JFileChooser closes, and nothing in the main window changes.** |
| testLoadCancelCourseCatalog | 1. Log in as registrar. 2. Click “Load Course Catalog.” 3. Click “Cancel.” 4. *Check Results* 5. Log out. | The JFileChooser closes, and nothing in the main window changes. | **The JFileChooser closes, and nothing in the main window changes.** |
| testSaveCancelCourseCatalog | 1. Log in as registrar. 2. Click “Save Course Catalog.” 3. Click “Cancel.” 4. *Check Results* 5. Log out. | The JFileChooser closes, and nothing in the main window changes. | **The JFileChooser closes, and nothing in the main window changes.** |