# 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** |
| Login with unassigned faculty  UC11 | * Login to Ashley Witt’s schedule using: * ID: awitt * Password: pw * Check results | The Faculty Schedule Panel is empty | The Faculty Schedule Panel is empty |
| Login with assigned faculty  UC11 | * Login to the David Sturgill using: * ID: dbsturgi * Password: pw * Check results | The faculty schedule panel has one course named: “csc230” | The faculty schedule panel has one course named: “csc230” |
| Remove assigned faculty  UC11 | * Login to the Registrar using: * ID: registrar * Password: Regi5tr@r * Go to the “Faculty Assignment” tab * Select the course “CSC230” section “001” at the bottom of the course catalog * Select David Sturgill at the bottom of the faculty directory * Select “Remove Faculty from Course” * Logout * Login to the David Sturgill using: * ID: dbsturgi * Password: pw * *Check results* | The Faculty Schedule Panel is empty | The Faculty Schedule Panel is empty |
| SD Load | * Login to the Registrar using: * ID: registrar * Password: Regi5tr@r * Go to the “Student Directory” tab * Click Load Student Directory * In the popup menu click Cancel | Gui returns to main gui | Gui returns to main gui |
| SD Save | * Login to the Registrar using: * ID: registrar * Password: Regi5tr@r * Go to the “Student Directory” tab * Click Save Student Directory * In the popup menu click Cancel | Gui returns to main gui | Gui returns to main gui |
| FD Load | * Login to the Registrar using: * ID: registrar * Password: Regi5tr@r * Go to the “Faculty Directory” tab * Click Load Faculty Directory * In the popup menu click Cancel | Gui returns to main gui | Gui returns to main gui |
| FD Save | * Login to the Registrar using: * ID: registrar * Password: Regi5tr@r * Go to the “Faculty Directory” tab * Click Save Faculty Directory * In the popup menu click Cancel | Gui returns to main gui | Gui returns to main gui |
| CC Load | * Login to the Registrar using: * ID: registrar * Password: Regi5tr@r * Go to the “Course Catalog” tab * Click Load Course Catalog * In the popup menu click Cancel | Gui returns to main gui | Gui returns to main gui |
| CC Save | * Login to the Registrar using: * ID: registrar * Password: Regi5tr@r * Go to the “Course Catalog” tab * Click Save Course Catalog * In the popup menu click Cancel | Gui returns to main gui | Gui returns to main gui |
| Display schedule  UC7 | * Student Schedule is displayed showing the courses in a table listing. * Student can export the schedule as a comma separated list of courses | List is exported | List is exported |
| File not found  UC7 | * Student Schedule is diplayed showing the courses in a table listing, the file can not be saved. * A pop up message stating the file can not be saved is displayed. | A pop up message stating the file can not be saved is displayed. | A pop up message stating the file can not be saved is displayed. |
| Export schedule  UC7 | * Export button is pressed, student is prompted with a file dialog where they can provide a name for saving the file. * The schedule is stored in a text file with a comma separated list of courses in sorted order by name and section with ordering of information show as follows: * Course: name,section,title,credits,instructor,meetingDays[,startTime,endTime] | The schedule is stored in a text file with a comma separated list of courses in sorted order by name and section with ordering of information show as follows:  Course: name,section,title,credits,instructor,meetingDays[,startTime,endTime] | The schedule is stored in a text file with a comma separated list of courses in sorted order by name and section with ordering of information show as follows:  Course: name,section,title,credits,instructor,meetingDays[,startTime,endTime] |