# 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** |
| T1 : Display of Final Schedule | Do not add any course to student’s schedule.  Student schedule must be **empty**.  **Click** on the export Button to get the schedule. | Export button will unable. |  |
| T2 : Display of Final Schedule | **Add** at least one course to student’s schedule. | A text table will list all student courses with columns for course name, section, title, instructor, credit hours, meeting information. If the meeting days are "A", the details view shows "Arranged". Otherwise, and the meeting information shows the meeting days followed by the start time in standard time (e.g., 1:30PM), a dash, and the end time in standard time. Only "AM" and "PM" are used. |  |
| T3: Display of Final Schedule | **Precondition**: At least one course has been added to the student's schedule (T2 should pass)  **Click** on the export Button to get the schedule. | The student is prompted with a file dialog where they can provide a file name for saving the schedule. The schedule is stored in a text file with a comma-separated list of courses, in sorted order by name and section, with an ordering of information such as  Course:  name,section,title,credits,instructor,   * meetingDays[,startTime,endTime] |  |