# 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** |
| NothingDisplayed | **A Faculty is using the program and no course is selected** | The course details are not displayed |  |
| CourseDisplayed | **A Faculty is viewing their schedule and clicks on a course** | The Course details are displayed |  |
| CourseRollInfo | **A Faculty views their course roll** | The course roll info is displayed, waitlisted students are not shown |  |
| CancelLoadingFileInStudentDirectoryPanel | *Preconditions:* Test Initialization steps 1 – 3 run correctly  When the file chooser loads click the **Cancel** button.  Click the **Ok** button. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. |
| CancelSavingFileInStudentDirectoryPanel | *Preconditions:* Test Initialization step 1-2 runs correctly  Click on **Save Student Directory** button.  When the file chooser loads click the **Cancel** button.  Click the **Ok** button. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. |
| CancelLoadingFileInFacultyDirectoryPanel | *Preconditions:* Test Initialization step 1 runs correctly  Click the **Faculty Directory** button and then the **Load Faculty Directory** button.  When the file chooser loads click the **Cancel** button.  Click the **Ok** button. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. |
| CancelSavingFileInFacultyDirectoryPanel | *Preconditions:* Test Initialization step 1 runs correctly  Click the **Faculty Directory** button and then the **Save Faculty Directory** button.  When the file chooser loads click the **Cancel** button.  Click the **Ok** button. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. |
| CancelLoadingFileInCourseCatalogPanel | *Preconditions:* Test Initialization step 1 runs correctly  Click the **Course Catalog** button and then the **Load Course Catalog** button.  When the file chooser loads click the **Cancel** button.  Click the **Ok** button. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. |
| CancelSavingFileInCourseCatalogPanel | *Preconditions:* Test Initialization step 1 runs correctly  Click the **Course Catalog** button and then the **Save Course Catalog** button.  When the file chooser loads click the **Cancel** button.  Click the **Ok** button. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. | A pop-up dialog loads with an error message “Action canceled.” Once the Ok button is clicked, they are returned back to the main panel. |