# Lab 02: Black Box Test Plan

## Test Overview

To run the tests:

1. Right click on WolfSchedulerGUI class in the Package Explorer.

2. Select Run As > Java Application

Tests in light grey are Updated with Lab 3, Dark Grey are new for Lab 3

All tests files are located in the test-files/ folder and the contents of the files used in testing are below:

*Student\_records.txt*

Zahir,King,zking,orci.Donec@ametmassaQuisque.com,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,15

Cassandra,Schwartz,cschwartz,semper@imperdietornare.co.uk,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,4

Shannon,Hansen,shansen,convallis.est.vitae@arcu.ca,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,14

Demetrius,Austin,daustin,Curabitur.egestas.nunc@placeratorcilacus.co.uk,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,18

Raymond,Brennan,rbrennan,litora.torquent@pellentesquemassalobortis.ca,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,12

Emerald,Frost,efrost,adipiscing@acipsumPhasellus.edu,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,3

Lane,Berg,lberg,sociis@non.org,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,14

Griffith,Stone,gstone,porta@magnamalesuadavel.net,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,17

Althea,Hicks,ahicks,Phasellus.dapibus@luctusfelis.com,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,11

Dylan,Nolan,dnolan,[placerat.Cras.dictum@dictum.net](mailto:placerat.Cras.dictum@dictum.net),0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,5

*Invalid\_student\_records.txt*

King,zking,orci.Donec@ametmassaQuisque.com,HNZ62IQV3XZ,15

Zahir,,zking,orci.Donec@ametmassaQuisque.com,HNZ62IQV3XZ,15

Zahir,King,orci.Donec@ametmassaQuisque.com,HNZ62IQV3XZ,15

Zahir,King,zking,orci.Donec@ametmassaQuisquecom,HNZ62IQV3XZ,15

Zahir,King,zking,orci.Donec@ametmassaQuisque.com,15

Zahir,King,zking,orci.Donec@ametmassaQuisque.com,HNZ62IQV3XZ,-1

*Matt-directory.txt*

*Matt,Church,mbchurch,kevin.malone@office.com,osÒbArÍ2?\*¿3ºz"‰¡òõ#ªUŽ”]›êõ½,15*

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| 1.Load Students From File  (UPDATED)  Load valid student records equivalance | Preconditions: **PackScheduler program started.**  **Click “Load Student Directory”**  **Navigate to test-files/student\_records.txt and click the file.**  **Click “Select”**  *Check results* | Student Directory panel loads 10 students from the file, displaying First Name, Last Name, and student ID. The students are listed in alphabetical order based on Last Name. | **Student Directory panel loads 10 students from the file, displaying First Name, Last Name, and student ID. The students are arranged in alphabetical order per their Last Name.** |
| 2.Load Students From Invalid Directory  Load Invalid Record Equivalance | Preconditions: **PackScheduler program started.**  **Click “Load Student Directory”**  **Navigate to test-files/invalid\_student\_records.txt and click the file.**  **Click “Select”**  *Check results* | Student Directory does not load students under the student directory panel | **Student Directory does not load any Students into the panel.** |
| 3.Load Students From Non-existant File  loadStudentsFromFile Equivalance | Preconditions: **PackScheduler program started.**  **Click “Load Student Directory”**  **In search bar, type “test-files/no-directory.txt”**  **Click “Select”**  *Check results*  **Click “OK”**  *Check results* | Pop-up message will state that “Unable to read .../test-files/no-directory.txt”  No students load in the directory panel. | **A message pops up stating: “Unable to read .../test-files/no-directory.txt”**  **No students are loaded.** |
| 4.Add Valid Student | Preconditions: **PackScheduler program started.**  No Students in directory panel.  **In the Student Information Panel:**   * First Name:  **Matt** * Last Name: **Church** * ID:  **mbchurch** * Email: **kevin.malone@office.com** * Password: **Steve** * Repeat Password:  **Steve** * Max Credits: **15**   **Click “Add Student”**  *Check Results* | Student is added to the Student Directory panel.  First Name: Matt  Last Name: Church  Student ID: mbchurch | **Student Directory Panel shows a student with:**  **First Name: Matt**  **Last Name: Church**  **Student ID: mbchurch** |
| 5.Add Invalid Student - No ID | Preconditions: **PackScheduler program started.**  **In the Student Information Panel:**   * First Name:  **Cat** * Last Name: **Stevens** * ID: * Email: **cst@jenkins.com** * Password: **cts771** * Repeat Password:  **cts771** * Max Credits: **14**   **Click “Add Student”**  *Check Results*  **Click OK** | Pop-up message will state “Invalid Id” | **A message pops up stating: “Invalid ID”**  **No Students are added.** |
| 6.Add Invalid Student - No Repeat Password | Preconditions: **PackScheduler program started.**  **In the Student Information Panel:**   * First Name: **Jim** * Last Name: **Halpert** * ID: **jmhalper** * Email: **halpert.jim@office.com** * Password: **elevtentyten** * Repeat Password: * Max Credits: **16**   **Click “Add Student”**  *Check Results*  **Click OK** | Pop-up message will state “Invalid password” | **A message pops up stating: “Invalid password”**  **No Students are added.** |
| 7. Save Student Directory | Preconditions: **PackScheduler program started. Test 4 has passed.**  Student Directory contains Student Matt Church  **Click “Save Student Directory”**  Save directory as “**test-files/matt-directory.txt”**  *Check results* | File is generated in test-files with a new “matt-directory.txt” file. File contains one student: Matt,Church,mbchurch,kevin.malone@office.com,osÒbArÍ2?\*¿3ºz"‰¡òõ#ªUŽ” ]›êõ½,15 | **A new file is created in the test-files directory called “matt-directory.txt”, containing one student: Matt,Church,mbchurch,kevin.malone@office.com,osÒbArÍ2?\*¿3ºz"‰¡òõ#ªUŽ” ]›êõ½,15** |
| 8.Email has no @ symbol | Preconditions: **PackScheduler program started.**    **In the Student Information Panel:**   * First Name: **Michael** * Last Name: **Scott** * ID: miscott * Email: **scott.michael.office.com** * Password: **number1boss** * Repeat Password:**number1boss** * Max Credits: **3**     **Click “Add Student”**    *Check Results*  **Click OK** | Pop-up message will state “Invalid email” | **A message pops up stating: “Invalid email”**    **No Students are added.** |
| 9. Add Student- Same Name Different Student Id  (UPDATED) | Preconditions: **PackScheduler program started.**  **Test 4 has passed.**  Student “Matt Church” is already in Student Directory.  **In the Student Information Panel:**   * First Name:  **Matt** * Last Name: **Church** * ID:  **mbchurc1** * Email: **ryanhoward@office.com** * Password: **didstartfire** * Repeat Password:  **didstartfire** * Max Credits: **15**   **Click “Add Student”**  *Check Results*  **Click OK** | New Student “Matt Church mbchurc1” is added to the Student Directory.  Student “mbchurc1” is added above student “mbchurch” | **A new “Matt Church” student is added with ID mbchurc1 to the Student Directory.**  **Student “mbchurc1” is added above student “mbchurch”** |
| 10. Add Student- Duplicate Student | Preconditions: **PackScheduler program started.**  **Test 4 has passed.**  Student “Matt Church” is already in Student Directory  **In the Student Information Panel:**   * First Name:  **Matt** * Last Name: **Church** * ID:  **mbchurch** * Email: **kevin.malone@office.com** * Password: **Steve** * Repeat Password:  **Steve** * Max Credits: **15**   **Click “Add Student”**  *Check Results*  **Click OK** | Pop-up message will state “Student already in system” | **A message pops up stating: “Student already in system”**    **No Students are added.** |
| 11. Email has no “.” | Preconditions: **PackScheduler program started.**    **In the Student Information Panel:**   * First Name: **Creed** * Last Name: **Bratton** * ID: creeded * Email: **creedbratton@officecom** * Password: **iamcreed** * Repeat Password:**iamcreed** * Max Credits: **18**     **Click “Add Student”**    *Check Results* | Pop-up message will state “Invalid email” | **A message pops up stating: “Invalid email”**    **No Students are added.** |
| 12. Remove Student- No Student Selected | Preconditions: **PackScheduler program started.**  **Test 4 has passed.**  Student “Matt Church” is already in Student Directory  Make sure no student is highlighted in the Student Directory  **Click “Remove Student”**  *Check Results*  **Click OK** | Pop-up message will state “No Student Selected” | **A message pops up stating: “No student selected”**    **No Students are removed.** |
| 13.Add student with max credits of 21 | Preconditions: **PackScheduler program started.**    **In the Student Information Panel:**   * First Name: **Stanley** * Last Name: **Hudson** * ID: hudstan * Email: **stantheman@office.com** * Password: **imnotimpressed** * Repeat Password: **imnotimpressed** * Max Credits: **21**     **Click “Add Student”**    *Check Results*  **Click OK** | Pop-up message will state “Invalid max credits” | **A message pops up stating: “Invalid max credits”**    **No Students are added.** |
| 14. Add Student with Maximum Max credits  (UPDATED) | Preconditions: **PackScheduler program started.**  Student: Matt Church mbchurc1  And Student: Matt Church mbchurch  Are displayed.    **In the Student Information Panel:**   * First Name: **Meredith** * Last Name: **Palmer** * ID: **mbpalme** * Email: **palmerMeredith@office.com** * Password: **rabiesbites** * Repeat Password: **rabiesbites** * Max Credits: **18**     **Click “Add Student”**    *Check Results* | New Student “Meredith Palmer” is added to bottom of the Student Directory. | **A new “Meredith Palmer” student is added with ID mbpalme to the Student Directory at the bottom.** |
| 15. No “.” After the @ symbol | Preconditions: **PackScheduler program started.**    **In the Student Information Panel:**   * First Name: **Mose** * Last Name: **Mose** * ID: momose * Email: **mose.knows@beetscom** * Password: **beetfarmer** * Repeat Password: **beetfarmer** * Max Credits: **5**     **Click “Add Student”**    *Check Results*  **Click OK** | Pop-up message will state “Invalid email” | **A message pops up stating: “Invalid email”**    **No Students are added.** |
| Test 16: Add Student With Higher First Name  (NEW) | Preconditions: **PackScheduler program started.**  Test 14 has passed.  **In the Student Information Panel:**   * First Name: **Andy** * Last Name: **Atherton** * ID: **aathert** * Email: **aathert@email.com** * Password: **five** * Repeat Password: **five** * Max Credits: **13**     **Click “Add Student”**    *Check Results*  **Click OK** | Student “Andy Atherton” is added to the top of the list, above student “Matt Church mbchurc1”. | **Andy Atherton is added above Matt Church with ID mbchurc1 in the Student Directory.** |
| Test 17:  Add Student With Lowest First/Last Name  (NEW) | Preconditions: **PackScheduler program started.**  Test 14 has passed.  **In the Student Information Panel:**   * First Name: **Zoe** * Last Name: **Zimmerman** * ID: **zzimme** * Email: **zzimme@email.com** * Password: **seven** * Repeat Password: **seven** * Max Credits: **14**     **Click “Add Student”**    *Check Results*  **Click OK** | Student “Zoe Zimmerman” is added to the bottom of the list, below student “Meredith Palmer”. | **Student Zoe Zimmerman is added below student Meredith Palmer in the Student Directory.** |