# Lab 02: System Test Plan

## Test Overview

<Describe how a test should run the tests. Delete this line in the final report.>

.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| Test 1: Invalid File | 1. Run StudentDirectoryPanel 2. Click Load Student Directory 3. *Check test-files* 4. *Click invalid\_student\_records.txt and click Select* 5. *Check results*   Close GUI | * PackScheduler loads * Student Directory is empty | * PackScheduler loads * Student Directory is empty |
| Test 2: Unable to read file | Select Load Student Directory  In File Name, type Jack  Close GUI | Pop-up dialog displays “Unable to read file” plus the unreadable file name | Pop-up dialog displays “Unable to read file” plus the unreadable file name |
| Test 3: Valid File  <also describe the equivalence class or boundary value under test> | Preconditions:   1. Run StudentDirectoryPanel 2. Click Load Student Directory 3. *Check test-files* 4. *Click student\_records.txt and click Select* 5. *Check results*   Close GUI | All 10 Students’s first name, last name, and student IDs are sorted and displayed.  Demetrius Austin daustin  Lane Berg lberg  Raymond Brennan rbrennan  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Zahir King zking  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone | All 10 Students’s first name, last name, and student IDs are sorted and displayed.  Demetrius Austin daustin  Lane Berg lberg  Raymond Brennan rbrennan  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Zahir King zking  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone |
| Test 4: Add – No Selection | Preconditions: Test 3 has passed   1. Make sure Add Student is empty 2. *Click Add Student*   Close GUI | “Invalid Password” is displayed on the screen | “Invalid Password” is displayed on the screen |
| Test 5:  Add Student | Preconditions: Test 3 has passed  Enter the following in the Student Information:   * First name: Ashwin * Last Name: Mahesh * ID: amahesh * Email: [amahesh@ncsu.edu](mailto:amahesh@ncsu.edu) * Password: password * Repeat Password: password * Max Credits: 13   Close GUI | All 11 Students’s first name, last name, and student IDs are sorted and displayed and sorted.  Demetrius Austin daustin  Lane Berg lberg  Raymond Brennan rbrennan  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Zahir King zking  Ashwin Mahesh amahesh  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone | All 11 Students’s first name, last name, and student IDs are sorted and displayed and sorted.  Demetrius Austin daustin  Lane Berg lberg  Raymond Brennan rbrennan  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Zahir King zking  Ashwin Mahesh amahesh  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone |
| Test 6: Same Student | Preconditions: Test 3 and 5 has passed  Enter the following in the Student Information:   * First name: Ashwin * Last Name: Mahesh * ID: amahesh * Email: [amahesh@ncsu.edu](mailto:amahesh@ncsu.edu) * Password: password * Repeat Password: password * Max Credits: 13   Close GUI | Pop-up dialog displays “Student already in the system” | Pop-up dialog displays “Student already in the system” |
| Test 7: Invalid Student Id | Preconditions: Test 3 and 5 has passed  Enter the following in the Student Information:   * First name: Marco * Last Name: Torres * ID: matorre33333 (Actual ID: matorre3) * Email: matorre3@ncsu.edu * Password: password * Repeat Password: password * Max Credits: 13   Close GUI | Student Information is rejected | Student Information is rejected |
| Test 8: Remove Student | Preconditions: Test 3 and 5 has passed  Click on 3rd row in Student Information (Raymond)  Click Remove Student  Close GUI | 3rd row is removed from Student Directory (Shannon, Hansen, shansen)  Demetrius Austin daustin  Lane Berg lberg  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Zahir King zking  Ashwin Mahesh amahesh  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone | 3rd row is removed from Student Directory (Shannon, Hansen, shansen)  Demetrius Austin daustin  Lane Berg lberg  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Zahir King zking  Ashwin Mahesh amahesh  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone |
| Test 9: invalidPassword | Preconditions: Test 3 , 5, and 8 has passed  Enter the following in the Student Information:   * First name: Lee * Last Name: Hare * ID: lhare * Email: lahre@gmail.com * Password: password * Repeat Password: 1234 * Max Credits: 18   Close GUI | Pop-up dialog displays “Passwords do not match” in the system | Pop-up dialog displays “Passwords do not match” in the system |
| Test 10: studentDirectory | Preconditions: Test 3 , 5 have passed  Enter the following in the Student Information:   * First name: Michael * Last Name: Jordan * ID: mjordan * Email: mjordan@gmail.com * Password: 1234 * Repeat Password: 1234 * Max Credits: 14 | 11 Students are displayed in Student Directory  Demetrius Austin daustin  Lane Berg lberg  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Michael Jordan mjordan  Zahir King zking  Ashwin Mahesh amahesh  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone | 11 Students are displayed in Student Directory  Demetrius Austin daustin  Lane Berg lberg  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Michael Jordan mjordan  Zahir King zking  Ashwin Mahesh amahesh  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone |
| Test 11: Invalid Email | Preconditions: Test 3 , 5 have passed  Enter the following in the Student Information:   * First name: Pam * Last Name: Haler * ID: phaler * Email: phaler12 * Password: 1234 * Repeat Password: 1234 * Max Credits: 14 | Pop-up dialog displays “Invalid email” | Pop-up dialog displays “Invalid email” |
| Test 12: Remove Student | Preconditions: Test 3 ,5 have passed  Click first row in Student Directory  Click Remove Student  Click Remove Student Again  Check results  Close GUI | 9 Students are displayed in Student Directory  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Michael Jordan mjordan  Zahir King zking  Ashwin Mahesh amahesh  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone | 9 Students are displayed in Student Directory  Emerald Frost efrost  Shannon Hansen shansen  Althea Hicks ahicks  Michael Jordan mjordan  Zahir King zking  Ashwin Mahesh amahesh  Dylan Nolan dnolan  Cassandra Schwartz cshwartz  Griffith Stone gstone |
| Test 13: Invalid Selection | Click Save Student Directory  Click Cancel  Close GUI | Pop- up dialog displays “Invalid Selection | Pop- up dialog displays “Invalid Selection |
| Test 14: Save Directory | Select Save Student Directory  Select test-files  Enter ncsu\_student as file name | In Eclipse, right click on the PackScheduler project and select **Refresh.**  Open the test-files folder and open ncsu\_student in the editor.  Contents from GUI should be in ncsu\_student  Emerald,Frost,efrost,3  Shannon,Hansen,shansen,14  Althea,Hicks,ahicks,11  Michael ,Jordan,mjordan,14  Zahir,King,zking,15  Ashwin ,Mahesh,amahesh,13  Dylan,Nolan,dnolan,5  Cassandra,Schwartz,cschwartz,4  Griffith,Stone,gstone | In Eclipse, right click on the PackScheduler project and select **Refresh.**  Open the test-files folder and open ncsu\_student in the editor.  Contents from GUI are in ncsu\_student  Emerald,Frost,efrost,3  Shannon,Hansen,shansen,14  Althea,Hicks,ahicks,11  Michael ,Jordan,mjordan,14  Zahir,King,zking,15  Ashwin ,Mahesh,amahesh,13  Dylan,Nolan,dnolan,5  Cassandra,Schwartz,cschwartz,4  Griffith,Stone,gstone |
| Test 15: New Directory | Select New Student Directory | Contents of StudentDirectory is empty | Contents of StudentDirectory is empty |