# Lab 03: System Test Plan

## Test Overview

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| Test 1: Add Student | Preconditions: None   1. Run StudentDirectoryPanel 2. Type Bob for first name 3. Type Jones for last name 4. bjones for ID 5. [bjones@ncsu.edu](mailto:bjones@ncsu.edu) for email 6. bobjones1 for password 7. bobjones1 for password repeated 8. 18 for max credits 9. Click **Add Student** 10. *Check results* | The student Bob Jones is added to student directory with student ID bjones. | The student Bob Jones is added to student directory with student ID bjones. |
| Test 2: Remove Student | Preconditions: Test 1 passed   1. Select Bob Jones in the Student Directory 2. Click **Remove Student** 3. *Check results* 4. Close GUI | The student Bob Jones is removed from the student directory. | The student Bob Jones is removed from the student directory. |
| Test 3: Load Student Directory with valid file  (Updated) | Preconditions: None   1. Run StudentDirectoryPanel 2. Click **Load Student Directory** 3. Select: test-files/student\_records.txt 4. *Check results* | Student directory is populated with 10 students:   * 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, cschwartz * Griffith, Stone, gstone | Student directory is populated with 10 students:   * 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, cschwartz * Griffith, Stone, gstone |
| Test 4: Add Student to existing directory  (Updated) | Preconditions: Test 3 passed   1. Type Bob for first name 2. Type Jones for last name 3. bjones for ID 4. [bjones@ncsu.edu](mailto:bjones@ncsu.edu) for email 5. bobjones1 for password 6. bobjones1 for password repeated 7. 18 for max credits 8. Click **Add Student** 9. *Check results* | Student directory is populated with 11 students:   * Demetrius, Austin, daustin * Lane, Berg, lberg * Raymond, Brennan, rbrennan * Emerald, Frost, efrost * Shannon, Hansen, shansen * Althea, Hicks, ahicks * Bob, Jones, bjones * Zahir, King, zking * Dylan, Nolan, dnolan * Cassandra, Schwartz, cschwartz * Griffith, Stone, gstone | Student directory is populated with 11 students:   * Demetrius, Austin, daustin * Lane, Berg, lberg * Raymond, Brennan, rbrennan * Emerald, Frost, efrost * Shannon, Hansen, shansen * Althea, Hicks, ahicks * Bob, Jones, bjones * Zahir, King, zking * Dylan, Nolan, dnolan * Cassandra, Schwartz, cschwartz * Griffith, Stone, gstone |
| Test 5: Save student Directory  (Updated) | Preconditions: Test 3 and 4 passed   1. Click **Save Student Directory** 2. Select test-files folder. Enter the filename actual\_student\_records\_system\_test.txt 3. Click **Save** 4. *Check results* 5. Close GUI | In Eclipse, right click on the WolfScheduler project and select **Refresh.**  Open the test-files folder and open actual\_student\_records\_system\_test.txt  in the editor.  The contents should be (each number corresponds to each line):   1. Demetrius,Austin,daustin,Curabitur.egestas.nunc@placeratorcilacus.co.uk,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,18 2. Lane,Berg,lberg,sociis@non.org,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,14 3. Raymond,Brennan,rbrennan,litora.torquent@pellentesquemassalobortis.ca,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,12 4. Emerald,Frost,efrost,adipiscing@acipsumPhasellus.edu,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,3 5. Shannon,Hansen,shansen,convallis.est.vitae@arcu.ca,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,14 6. Althea,Hicks,ahicks,Phasellus.dapibus@luctusfelis.com,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,11 7. Bob,Jones,bjones,bjones@ncsu.edu,2X9Gz3ZgelQQ440hVWMQw3pQR5hxQzEbofx+qRBt7XQ=,18 8. Zahir,King,zking,orci.Donec@ametmassaQuisque.com,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,15 9. Dylan,Nolan,dnolan,placerat.Cras.dictum@dictum.net,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,5 10. Cassandra,Schwartz,cschwartz,semper@imperdietornare.co.uk,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,4 11. Griffith,Stone,gstone,porta@magnamalesuadavel.net,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,17 | In Eclipse, right click on the WolfScheduler project and select **Refresh.**  Open the test-files folder and open actual\_student\_records\_system\_test.txt  in the editor.  The contents should be (each number corresponds to each line):   1. Demetrius,Austin,daustin,Curabitur.egestas.nunc@placeratorcilacus.co.uk,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,18 2. Lane,Berg,lberg,sociis@non.org,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,14 3. Raymond,Brennan,rbrennan,litora.torquent@pellentesquemassalobortis.ca,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,12 4. Emerald,Frost,efrost,adipiscing@acipsumPhasellus.edu,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,3 5. Shannon,Hansen,shansen,convallis.est.vitae@arcu.ca,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,14 6. Althea,Hicks,ahicks,Phasellus.dapibus@luctusfelis.com,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,11 7. Bob,Jones,bjones,bjones@ncsu.edu,2X9Gz3ZgelQQ440hVWMQw3pQR5hxQzEbofx+qRBt7XQ=,18 8. Zahir,King,zking,orci.Donec@ametmassaQuisque.com,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,15 9. Dylan,Nolan,dnolan,placerat.Cras.dictum@dictum.net,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,5 10. Cassandra,Schwartz,cschwartz,semper@imperdietornare.co.uk,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,4 11. Griffith,Stone,gstone,porta@magnamalesuadavel.net,MMlS+rEiw/l1nwKm2Vw3WLJGtP7iOZV7LU/uRuJhcMQ=,17 |
| Test 6: Add – Empty Student Information | Preconditions: None   1. Run StudentDirectoryPanel 2. Click **Add Student** 3. *Check results* 4. Close GUI | A pop-up dialog announcing that “Invalid password” is displayed. | A pop-up dialog announcing that “Invalid password” is displayed. |
| Test 7: Remove several students  (Updated) | Preconditions: None   1. Run StudentDirectoryPanel 2. Click **Load Student Directory** 3. Select: test-files/student\_records.txt 4. Select the 3rd row of the Student Directory table (Raymond, Brennan, rbrennan) 5. Click **Remove Student** 6. Select the 8th row of the Student Directory table (Cassandra, Schwartz, cschwartz) 7. Click **Remove Student** 8. *Check results* | Student directory is populated with 8 students:   * Demetrius, Austin, daustin * Lane, Berg, lberg * Emerald, Frost, efrost * Shannon, Hansen, shansen * Althea, Hicks, ahicks * Zahir, King, zking * Dylan, Nolan, dnolan * Griffith, Stone, gstone | Student directory is populated with 8 students:   * Demetrius, Austin, daustin * Lane, Berg, lberg * Emerald, Frost, efrost * Shannon, Hansen, shansen * Althea, Hicks, ahicks * Zahir, King, zking * Dylan, Nolan, dnolan * Griffith, Stone, gstone |
| Test 8: New Student Directory | Preconditions: Test 7 passed   1. Click **New Student Directory** 2. *Check results* 3. Close GUI | Student directory table is now blank. | Student directory table is now blank. |
| Test 9: Remove -No Selection | Preconditions: None   1. Run StudentDirectoryPanel 2. Click **Load Student Directory** 3. Select: test-files/student\_records.txt 4. Make sure that no row in the Student Directory table is selected 5. Click **Remove Student** 6. *Check results* 7. Click **OK** | A pop-up dialog announcing that “No student selected.” is displayed. | A pop-up dialog announcing that “No student selected.” is displayed. |
| Test 10: Add Student without First name | Preconditions: Test passed   1. Type Jones for last name 2. bjones for ID 3. [bjones@ncsu.edu](mailto:bjones@ncsu.edu) for email 4. bobjones1 for password 5. bobjones1 for password repeated 6. 18 for max credits 7. Click **Add Student** 8. *Check results* 9. Click **OK** | A pop-up dialog announcing that “Invalid first name” is displayed. | A pop-up dialog announcing that “Invalid first name” is displayed. |
| Test 11: Add Student without Last Name | Preconditions: Test 9 passed   1. Type Bob for first name 2. bjones for ID 3. [bjones@ncsu.edu](mailto:bjones@ncsu.edu) for email 4. bobjones1 for password 5. bobjones1 for password repeated 6. 18 for max credits 7. Click **Add Student** 8. *Check results* 9. Click **OK** | A pop-up dialog announcing that “Invalid last name” is displayed. | A pop-up dialog announcing that “Invalid last name” is displayed. |
| Test 12: Add Student without ID | Preconditions: Test 9 passed   1. Type Bob for first name 2. Type Jones for last name 3. [bjones@ncsu.edu](mailto:bjones@ncsu.edu) for email 4. bobjones1 for password 5. bobjones1 for password repeated 6. 18 for max credits 7. Click **Add Student** 8. *Check results* 9. Click **OK** | A pop-up dialog announcing that “Invalid id” is displayed. | A pop-up dialog announcing that “Invalid id” is displayed. |
| Test 13: Add Student without Email | Preconditions: Test 9 passed   1. Type Bob for first name 2. Type Jones for last name 3. bjones for ID 4. bobjones1 for password 5. bobjones1 for password repeated 6. 18 for max credits 7. Click **Add Student** 8. *Check results* 9. Click **OK** | A pop-up dialog announcing that “Invalid email” is displayed. | A pop-up dialog announcing that “Invalid email” is displayed. |
| Test 14: Add Student without Password | Preconditions: Test 9 passed   1. Type Bob for first name 2. Type Jones for last name 3. bjones for ID 4. [bjones@ncsu.edu](mailto:bjones@ncsu.edu) for email 5. bobjones1 for password repeated 6. 18 for max credits 7. Click **Add Student** 8. *Check results* 9. Click **OK** | A pop-up dialog announcing that “Invalid password” is displayed. | A pop-up dialog announcing that “Invalid password” is displayed. |
| Test 15: Add Student without Max Credits | Preconditions: Test 9 passed   1. Type Bob for first name 2. Type Jones for last name 3. bjones for ID 4. [bjones@ncsu.edu](mailto:bjones@ncsu.edu) for email 5. bobjones1 for password 6. bobjones1 for password repeated 7. Click **Add Student** 8. *Check results* 9. Click **OK** 10. Close GUI | The student Bob Jones is added to student directory with student ID bjones. | The student Bob Jones is added to student directory with student ID bjones. |