# Lab 02: Black Box Test Plan

## Test Overview

In eclipse, run the project as a java application, using StudentDirectoryPanel as the main class.

.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| testLoadInvalidDirectory | Preconditions: WolfScheduler is started  Click Load Student Directory  Select test-files/invalid\_student\_records.txt  Select Select  Close GUI | Student Directory is empty | Student Directory is empty |
| testLoadValidDirectory | Preconditions: WolfScheduler is started  Click Load Student Directory  Select test-files/student\_records.txt  Select Select | Student Directory is populated | Student Directory is populated |
| testNewStudentDirectory | Preconditions: WolfScheduler is started, testValidDirectory has passed  Click New Student Directory | Student Directory is empty | Student Directory is empty |
| testAddEmptyStudent | Preconditions: WolfScheduler is started, testValidDirectory has passed.  Enter the following into Student Information   * First Name: * Last Name: last * ID: id * Email: [email@mail.com](mailto:email@mail.com) * Password: password * Repeat Password: password * Max Credits 5   Click Add Student | Dialog Box “Invalid first name”  Click OK to close | Dialog Box “Invalid first name”  Click OK to close |
| testAddInvalidCreditsStudent | Preconditions: WolfScheduler is started, testValidDirectory has passed.  Enter the following into Student Information   * First Name: first * Last Name: last * ID: id * Email: [email@mail.com](mailto:email@mail.com) * Password: password * Repeat Password: password * Max Credits 2   Click Add Student | Dialog Box “Invalid max credits”  Click OK to close | Dialog Box “Invalid max credits”  Click OK to close |
| testAddInvalidEmailStudent | Preconditions: WolfScheduler is started, testValidDirectory has passed.  Enter the following into Student Information   * First Name: first * Last Name: last * ID: id * Email: mail * Password: password * Repeat Password: password * Max Credits 3   Click Add Student | Dialog Box “Invalid email”  Click OK to close | Dialog Box “Invalid email”  Click OK to close |
| testAddNonrepeatingPasswordsStudent | Preconditions: WolfScheduler is started, testValidDirectory has passed.  Enter the following into Student Information   * First Name: first * Last Name: last * ID: id * Email: email@mail.com * Password: password * Repeat Password: pass * Max Credits 3   Click Add Student | Dialog Box “Passwords do not match”  Click OK to close | Dialog Box “Passwords do not match”  Click OK to close |
| testAddValidStudent | Preconditions: WolfScheduler is started, testValidDirectory has passed.  Enter the following into Student Information   * First Name: first * Last Name: last * ID: id * Email: email@mail.com * Password: password * Repeat Password: password * Max Credits 3   Click Add Student | Student information is blank  first last id appears in student directory | Student information is blank  first last id appears in student directory |
| testRemoveStudent | Preconditions: WolfScheduler is started, testAddValidStudent has passed.  Select first last id from Student Directory  Click Remove Student | Student first last id disappears from Student Directory | Student first last id disappears from Student Directory |
| testRemoveNoStudent | Preconditions: WolfScheduler is started, testValidDirectory has passed. No row in Student Directory is selected (if it is, restart the program and re-import the directory)  Click Remove Student | Dialog Box “No student selected”  Click OK to close | Dialog Box “No student selected”  Click OK to close |
| testSaveStudentDirectory | Preconditions: WolfScheduler is started, testAddValidStudent has passed. first last id is in the Student Directory  Click Save Student Directory  Save to test-files/actual\_student\_records.txt | Process completes without errors | Process completes without errors |
| testLoadNewStudentDirectory | Preconditions: WolfScheduler is started, testSaveStudentDirectory has passed. test-files/actual\_student\_records.txt exists and has been saved to.  Click Load Student Directory  Select test-files/actual\_student\_records.txt | Process completes without errors  first last id appears in student directory | Process completes without errors  first last id appears in student directory |
| testAddDuplicateStudent | Preconditions: WolfScheduler is started, testAddValidStudent has passed. First last id is in the Student Directory  Enter the following into Student Information   * First Name: first * Last Name: last * ID: id * Email: email@mail.com * Password: password * Repeat Password: password * Max Credits 3   Click Add Student | Dialog Box “Student already in system”  Click OK to close | Dialog Box “Student already in system”  Click OK to close |
| testAddReversedEmailStudent | Preconditions: WolfScheduler is started, testValidDirectory has passed.  Enter the following into Student Information   * First Name: first2 * Last Name: last2 * ID: id2 * Email: email.mail@com * Password: password * Repeat Password: password * Max Credits 3   Click Add Student | Dialog Box “Invalid email”  Click OK to close | Dialog Box “Invalid email”  Click OK to close |
| testAddShortEmailStudent | Preconditions: WolfScheduler is started, testValidDirectory has passed.  Enter the following into Student Information   * First Name: first2 * Last Name: last2 * ID: id2 * Email: email@mail * Password: password * Repeat Password: password * Max Credits 3   Click Add Student | Dialog Box “Invalid email”  Click OK to close | Dialog Box “Invalid email”  Click OK to close |