Lab 02: System Test Plan

Test Overview

Test ID	Description	Expected Results	Actual Results
(Mod) Test 1 : Add Student Will Greene	*Preconditions: None* 1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. In the Student Controls section, select Add Student.	Student Information section clears all fields. Student Direction section displays, Will as the First Name, Greene as the Last Name and wgreene as the Student ID.	Student Information section clears all fields. Student Direction section displays, Will as the First Name, Greene as the Last Name and wgreene as the Student ID.
Test 2 : Remove Student Will Greene (only 1 student in SD)	*Preconditions: Test 1 has passed* 1. In the Student Directory section, select the [only] row with Will Greene's information. 2. In the Student Controls section, select Remove Student.	Student Directory section becomes blank.	Student Directory section becomes blank.
Test 3 : New Student Directory	*Preconditions: Test 1 has passed* 1. In the Directory Buttons section, select the New Student Directory button.	Student Directory section becomes blank.	Student Directory section becomes blank.

Test 4 : Add Student Will Greene Missing First Name	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. Delete what is in the First Name field.	A new window titled, "Message," appears that reads, "Invalid first name."	A new window titled, "Message," appears that reads, "Invalid first name."
Test 5 : Add Student Will Greene Missing Last Name	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. Delete what is in the Last Name field.	A new window titled, "Message," appears that reads, "Invalid last name."	A new window titled, "Message," appears that reads, "Invalid last name."
Test 6 : Add Student Will Greene Missing ID	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. Delete what is in the ID field.	A new window titled, "Message," appears that reads, "Invalid id."	A new window titled, "Message," appears that reads, "Invalid id."
Test 7 : Add Student Will Greene Missing Email	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. Delete what is in the Email field.	A new window titled, "Message," appears that reads, "Invalid email."	A new window titled, "Message," appears that reads, "Invalid email."

Test 8 : Add Student Will Greene Bad Email 1	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. In the email field, enter "ncsu.edu@wgreene."	A new window titled, "Message," appears that reads, "Invalid email."	A new window titled, "Message," appears that reads, "Invalid email."
Test 9 : Add Student Will Greene Bad Email 2	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. In the email field, enter "wgreenencsu.edu."	A new window titled, "Message," appears that reads, "Invalid email."	A new window titled, "Message," appears that reads, "Invalid email."
Test 10 : Add Student Will Greene Missing PW	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. Delete what is in the Password field.	A new window titled, "Message," appears that reads, "Invalid password."	A new window titled, "Message," appears that reads, "Invalid password."
Test 11 : Add Student Will Greene Missing Repeat PW	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. Delete what is in the Repeat Password field.	A new window titled, "Message," appears that reads, "Invalid first name."	A new window titled, "Message," appears that reads, "Invalid first name."

Test 12 : Add Student Will Greene PW Does Not Match	1. Run StudentDirectoryPanel 2. Fill in personal information, setting Password field (and Repeat Password) as "pw" and Max Credits at 15. 3. Change the Repeat Password field to "pw1."	A new window titled, "Message," appears that reads, "Passwords do not match."	A new window titled, "Message," appears that reads, "Passwords do not match."
(Mod) Test 13 : Load Student Directory	1. Run StudentDirectoryPanel 2. In the Directory Buttons section, select Load Student Directory. 3. Go to test-files/student_records.txt.	In the Student Directory section, 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 (cswartz) and Griffith Stone (gstone) appear, in that order.	In the Student Directory section, 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 (cswartz) and Griffith Stone (gstone) appear, in that order.
(Mod) Test 14 : Remove Student (multiple students in SD)	*Preconditions: Test 13 has passed* 1. Select the 9th row, Cassandra Schwartz (cschwartz). 2. In the Student Controls section, select the Remove Student button.	In the Student Directory section, the 9th row, the Cassandra Schwartz (cschwartz) row, is no longer displayed.	In the Student Directory section, the 9th row, the Cassandra Schwartz (cschwartz) row, is no longer displayed.

(Mod) Test 15 : Save Student Directory	*Preconditions: Tests 13 & 14 have passed* 1. In the Directory Buttons section, select the Save Student Directory button. 2. Name the file, "student_records3.txt."	The file has the exact contents as student_records.txt, but without the 9th line of Cassandra Schwartz.	The file has the exact contents as student_records.txt, but without the 9th line of Cassandra Schwartz.