# Lab 02: System Test Plan

## Test Overview

Using the GUI, follow the steps of the description given.

Upon failure of a test (expected results are not equal to the actual results), restart the program.

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| Test 1  Load an invalid directory. | Preconditions: None   1. Run StudentDirectoryPanel.java 2. Choose “Load Student Directory” 3. Open “test-files” 4. Open “invalid student records.txt” | No students are added to Student Directory | **No students were added. A bunch of “Exception is null” were printed to console** |
| Test 2  Load a valid directory | Preconditions: Test 1 finished   1. Choose “Load Student Directory” 2. Open “test-files” 3. Open “student\_records.txt” | 10 students are added to the Student Directory. Their first name /last name/Student ID should be displayed.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Zahir | | King | | | | | | | | | | zking | | | | | | | | Cassandra | | | | | | | | | Schwartz | | | | | | | | | | | | | cschwartz | | | | | | | | | Shannon | | | | | | | Hansen | | | | | | | | | | | shansen | | | | | | | | | | Demetrius | | | | | | | | | | | Austin | | | | | | | | | daustin | | | | | | | | | Raymond | | | | | | | | Brennan | | | | | | | | | | | | | rbrennan | | | | | | | | | Emerald | | | | | | Frost | | | | | | | | | | efrost | | | | | | | | | | Lane | Berg | | | | | | | | | lberg | | | | | | | | Griffith | | | | | Stone | | | | | | | | | | gstone | | | | | | | | | | | | Althea | | | | Hicks | | | | | | | | | | ahicks | | | | | | | | | | | Dylan | | | Nolan | | | | | | | | | | dnolan | | | | | | | | | | | **10 Students were added. Their details are identical to expected** |
| Test 3  Remove a Student | Preconditions: Test 2 Finished   1. Choose the first Student in the Student Directory (Zahir King) 2. Click “Remove Student” | Zahir King’s details should be removed from the Student Directory  Every other student should still be displayed | **Zahir King was removed from Student Directory**  **All other students were unaffected** |
| Test 4  Making a valid Student. | Preconditions: Test 3 Finished   1. Under Student Information, add:  * First Name: Bob * Last Name: Builder * ID: bbuilder * Email: [bbuilder@ncsu.edu](mailto:bbuilder@ncsu.edu) * Password: building * Repeat Password: building * Max Credits: 15 | Under Student Directory, Bob, Builder and bbuilder should be under First Name, Last Name, and Student ID respectively.  There’s no data in the Student Information section | **Bob, Builder, bbuilder are shown.**  **The Data Information Section was cleared.** |
| Test 5  Adding an invalid student | Preconditions: Test 4 Finished   1. Under Student Information, add: |  |  |