**Black Box Tests for Guided Project 1**

There are 10 acceptance tests. All tests are worth 4 points apiece for a total of 40 points.

To run the tests:

1. Right click on CourseManagerGUI class in the Package Explorer.
2. Select Run As > Java Application

The GUI will load automatically

All test files are located in test-files.



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| **Test ID (Points)** | **Description** | **Expected Results** |  |
| **Test 1: missing course file** | **Preconditions:**   * The CourseManager program has launched * “missing\_courses.txt” does not exist in the CourseManager project   **Description:**   * Click Browse * Enter “missing\_courses.txt” and click Open * Click Load * Quit | Pop-Up displays:  “<Path to file for your OS>”/missing\_courses.txt (The system cannot find the file specified) |  |
| **Test 2: invalid course file** | **Preconditions:**   * The CourseManager program has launched   **Description:**   * Click Browse * Select test-files/invalid\_course\_records.txt and click Open * Click Load * Click Browse * Select test-files/student\_records.txt * Click Load * Enter “zking” and “pw” for the login and click Login * Click OK * Quit | There is no error reported  There is no error reported  Pop-Up displays: Invalid id and password |  |
| **Test 3: missing student file** | **Preconditions:**   * The CourseManager program has launched * “missing\_students.txt” does not exist in the CourseManager project * Copy the contents of expected\_full\_course\_records.txt into course\_records.txt * Copy the contents of expected\_full\_student\_records.txt into student\_records.txt   **Description:**   * Click Browse * Select test-files/course\_records.txt and click Open * Click Load * Click Browse * Enter “missing\_students.txt” and click Open * Click Load * Quit | There is no error reported  Pop-Up displays:  “<Path to file for your OS>”/missing\_students.txt (The system cannot find the file specified) |  |
| **Test 4: invalid student file** | **Preconditions:**   * The CourseManager program has launched * Copy the contents of expected\_full\_course\_records.txt into course\_records.txt * Copy the contents of expected\_full\_student\_records.txt into student\_records.txt   **Description:**   * Click Browse * Select test-files/course\_records.txt and click Open * Click Load * Click Browse * Select test-files/invalid\_student\_records.txt * Click Load * Enter “zking” and “pw” for the login and click Login * Click OK * Quit | There is no error reported  There is no error reported  Pop-Up displays: Invalid id and password |  |
| **Test 5: incorrect id** | **Preconditions:**   * The CourseManager program has launched * Copy the contents of expected\_full\_course\_records.txt into course\_records.txt * Copy the contents of expected\_full\_student\_records.txt into student\_records.txt   **Description:**   * Click Browse * Select test-files/course\_records.txt and click Open * Click Load * Click Browse * Select test-files/student\_records.txt * Click Load * Enter “zking1” and “pw” for the login and click Login * Click OK * Quit | Pop-Up displays: Invalid id and password |  |
| **Test 6: incorrect password** | **Preconditions:**   * The CourseManager program has launched * Copy the contents of expected\_full\_course\_records.txt into course\_records.txt * Copy the contents of expected\_full\_student\_records.txt into student\_records.txt   **Description:**   * Click Browse * Select test-files/course\_records.txt and click Open * Click Load * Click Browse * Select test-files/student\_records.txt * Click Load * Enter “zking” and “pw1” for the login and click Login * Click OK * Quit | Pop-Up displays: Invalid id and password |  |
| **Test 7: incorrect id** | **Preconditions:**   * The CourseManager program has launched * Copy the contents of expected\_full\_course\_records.txt into course\_records.txt * Copy the contents of expected\_full\_student\_records.txt into student\_records.txt   **Description:**   * Click Browse * Select test-files/course\_records.txt and click Open * Click Load * Click Browse * Select test-files/student\_records.txt * Click Load * Enter “zking1” and “pw” for the login and click Login * Click OK * Quit | Pop-Up displays: Invalid id and password |  |
| **Test 8: invalid add - already enrolled** | **Preconditions:**   * The CourseManager program has launched * Copy the contents of expected\_full\_course\_records.txt into course\_records.txt * Copy the contents of expected\_full\_student\_records.txt into student\_records.txt   **Description:**   * Click Browse * Select test-files/course\_records.txt and click Open * Click Load * Click Browse * Select test-files/student\_records.txt * Click Load * Enter “zking” and “pw” for the login and click Login * Select CSC216 in All Courses * Click Add * Quit | Selected Course Details:  Course Name: CSC216  Credits: 3  # Enrolled: 7  Capacity: 10  Pop-Up displays: Course cannot be added. |  |
| **Test 9: invalid add - class at capacity** | **Preconditions:**   * The CourseManager program has launched * Copy the contents of expected\_full\_course\_records.txt into course\_records.txt * Copy the contents of expected\_full\_student\_records.txt into student\_records.txt   **Description:**   * Click Browse * Select test-files/course\_records.txt and click Open * Click Load * Click Browse * Select test-files/student\_records.txt * Click Load * Enter “zking” and “pw” for the login and click Login * Select CSC246 in All Courses * Click Add * Quit | Selected Course Details:  Course Name: CSC246  Credits: 3  # Enrolled: 1  Capacity: 1  Pop-Up displays: Course cannot be added. |  |
| **Test 10: invalid add - exceeds max credit hours** | **Preconditions:**   * The CourseManager program has launched * Copy the contents of expected\_full\_course\_records.txt into course\_records.txt * Copy the contents of expected\_full\_student\_records.txt into student\_records.txt   **Description:**   * Click Browse * Select test-files/course\_records.txt and click Open * Click Load * Click Browse * Select test-files/student\_records.txt * Click Load * Enter “ahicks” and “pw” for the login and click Login * Select CSC316 in All Courses * Click Add * Quit | Selected Course Details:  Course Name: CSC316  Credits: 3  # Enrolled: 0  Capacity: 1  Pop-Up displays: Course cannot be added. |  |