**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** | Actual 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) | Error popup after clicking load with x inside stop sign. Lists complete path of Course Manager to GIT/GP1/CourseManager/missing\_courses.txt (the system cannot find the specified file). |
| **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 | Nothing happens after loading test-files/invalid\_course\_records.txt. After clicking load on test-files/student\_records.txt, it takes me to a user ID: and password: screen. After typing in zking and pw a “Error” popup comes up that says 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) | No Errors reported when loading Course Record Files with course\_records.txt.  Error popup after clicking load with x inside stop sign. Lists complete path of Course Manager to GIT/GP1/CourseManager/missing\_students.txt (the system cannot find the specified file). |
| **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 | The cursor moves to the student input line test-files/course\_records.txt. After clicking load on test-files/invalid\_student\_records.txt, it takes me to a user ID: and password: screen. After typing in “zking” and “pw” an Error popup comes up that says 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 | The cursor moves to the student input line after loading test-files/course\_records.txt. After clicking load on test-files/ student\_records.txt, it takes me to a user ID: and password: screen. After typing in “zking1” and “pw” an Error popup comes up that says 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 | The cursor moves to the student input line after loading test-files/course\_records.txt. After clicking load on test-files/ student\_records.txt, it takes me to a user ID: and password: screen. After typing in “zking” and “pw1” an Error popup comes up that says 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 | The cursor moves to the student input line after loading test-files/course\_records.txt. After clicking load on test-files/ student\_records.txt, it takes me to a user ID: and password: screen. After typing in “zking1” and “pw” an Error popup comes up that says 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. | The cursor moves to the student input line after loading test-files/course\_records.txt. After clicking load on test-files/ student\_records.txt, it takes me to a user ID: and password: screen. After typing in “zking” and “pw” and clicking submit the course manager loads up. I am able to see My Courses and All Courses listed as well as Add and Remove buttons. When I select CSC216 I see:  Course Name: CSC216  Credits: 3  # Enrolled: 7  Capacity: 10  I select CSC216, and click add and a popup comes up that says “Course cannot be added.” With a red X inside a stopsign. |
| **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. | The cursor moves to the student input line after loading test-files/course\_records.txt. After clicking load on test-files/ student\_records.txt, it takes me to a user ID: and password: screen. After typing in “zking” and “pw” and clicking submit the course manager loads up. I am able to see My Courses and All Courses listed as well as Add and Remove buttons. When I select CSC246 I see:  Course Name: CSC246  Credits: 3  # Enrolled: 1  Capacity: 1  I select CSC246, and click add and a popup comes up that says “Course cannot be added.” With a red X inside a stopsign. |
| **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. | The cursor moves to the student input line after loading test-files/course\_records.txt. After clicking load on test-files/ student\_records.txt, it takes me to a user ID: and password: screen. After typing in “ahicks” and “pw” and clicking submit the course manager loads up. I am able to see My Courses and All Courses listed as well as Add and Remove buttons. When I select CSC316 I see:  Course Name: CSC316  Credits: 3  # Enrolled: 0  Capacity: 1  I select CSC316, and click add and a popup comes up that says “Course cannot be added.” With a red X inside a stopsign. |