**Test Cases**

**Test Case 1**: Check Results on User entry for Valid Username and Password

* Check user login information

Steps: 1. Enter Username

2. Enter Password

3. Click Login

Test Data: UserID: Host Password: 1111

Expected Result: User should be able to login if username and password are correct.

**Test Case 2**: Check Results on User entry for Invalid Username and Password

* Check response when information entered is invalid

Steps: 1. Enter invalid information

2. Click Login

Expected Result: System should show error under login bar that the data is invalid.

**Test Case 3**: Check Results on Blank User entry for either Username or Password Field.

* Check response when a field for username or password is left blank

Steps: 1. Enter username or password but not both

2. Click Login

Expected Result: System should show error stating that information is missing.

**Test Case 4**: Check Response on Valid User and Password Entry into user account.

* Check response when information entered is valid

Steps: 1. Enter invalid information

2. Click Login

Expected Result: System should take user to their relative view depending on whether they are student or faculty.

**Student Test Cases**

**Test Case 1**: Check Response Student View GPA Return when GPA option Selected.

* Check response when student chooses GPA option

Steps: 1. Click show GPA option

Expected Result: System should show users relative GPA according to their class grades received.

**Test Case 2**: Check Response Student View Classes shown for valid user

* Check response when student chooses to view courses enrolled

Steps: 1. Click on classes

Expected Result: System should show the classes that the student is enrolled in along with the current grade in that course.

**Professor/Admin Test Cases**

**Test Case 1**: Check Response when Admin clicks view students

* Check response when admin/professor wants to see the students enrolled in their course.

Steps: 1. Click on Show Enrolled Students

2. Click tab and scroll to see student list

Expected Result: Program should display list of students enrolled for a specific course that instructor or admin is teaching.

**Test Case 2:** Check Response when admin alters Grade for students

* Check response when admin/professor alters a grade for any student.

Steps: 1. Click on Show Enrolled Students

2. Select student

3. Click Change Grade

4. Click Confirm

Expected Result: after clicking confirm the program should update students grade.

**Test Case 3:** Check Response when admin/professor checks which classes they are teaching if any.

* Check response when admin/professor check on the courses they are teaching

Steps: 1. Click on Show courses view

2. Click on Show all (if any)

Expected Result: Program should display the courses that admin/professor is teaching.