

## Test Plan

### Approach

For testing purposes, the decision was made to focus primarily on manual testing of the application. In earlier iterations, we found it difficult to fully approach and encapsulate the entirety of the project using unit tests. In light of this, the decision was made to extensively—and consistently—walk through the application following a strict, verbose array of tests that we would step through, manually.

### Iteration Tests

For this iteration, focus was drawn largely on the use cases that were the emphasis of Iteration 3.

- (UC 10) Registrar Add Student
- (UC 11) Registrar Add Course
- (UC 12) Registrar Add Student to Course
- (UC 13) Student/Faculty Upload Document

### UC 10 Tests

The following section will describe, in detail, manual tests that were practiced during the development of this iteration for *Registrar Add Student*.

1. Log into system using a registrar account ([registrar@email.com](mailto:registrar@email.com)).
  - a. Click the link that takes you to the portal for student registration.
  - b. Enter student credentials, click submit.
2. Log into system as the newly created student account.
  - a. Ensure that student has access to appropriate pages (respective profile page, preview courses, and my courses).
  - b. Attempt to browse to URLs that should not be accessible to this student (goal is to be denied access).

### UC 11 Tests

The following section will describe, in detail, manual tests that were practiced during the development of this iteration for *Registrar Add Course*.

3. Log into system using a registrar account ([registrar@email.com](mailto:registrar@email.com)).
  - a. Click the link that takes you to the portal for course registration.
  - b. Enter course credentials, click submit.
4. Log into system as the newly created student account from the prior test for UC 10.
  - a. Ensure that student has ability to view the newly created course.
    - i. If student can view the newly created course, success!
    - ii. Otherwise, failure.

### UC 12 Tests

The following section will describe, in detail, manual tests that were practiced during the development of this iteration for *Registrar Add Student to Course*.

5. Log into system using a registrar account ([registrar@email.com](mailto:registrar@email.com)).

- a. Click the link that takes you to the portal for adding student to course.
- b. Select student to add (from selection list).
- c. Select course to add student to (from selection list).
- d. Click submit.
- e. Log out.
6. Log into system as the selected student account from the prior step.
  - a. Click 'My Courses' to view the courses the student has access to.
    - i. If student can view the course they were just added to, success!  
➤ *Note: If student was already in the course, this shouldn't change.*
    - ii. Otherwise, failure.

### UC 13 Tests

The following section will describe, in detail, manual tests that were practiced during the development of this iteration for *Student/Faculty Upload Document*.

7. Log into a student/faculty member account.
  - a. Navigate to student/faculty member's respective profile page.
  - b. Click "choose file" towards the top of the page. Attach file and click upload.
  - c. Reload the page and then click the newly created link for the recently uploaded document.
    - i. If this document fails to show up on the profile page, failure.
  - d. If the document then begins to be downloaded by the browser for viewing, success!

### Login Credentials for Manual Testing

#### Student Credentials

- Email — [student@email.com](mailto:student@email.com)
- Password — mypass

#### Faculty Member Credentials

- Email — [teacher@email.com](mailto:teacher@email.com)
- Password — mypass

#### Registrar Credentials

- Email — [registrar@email.com](mailto:registrar@email.com)
- Password — mypass

#### Administrator Credentials

- Email — [admin@email.com](mailto:admin@email.com)
- Password — mypass