**Home Page:**

On the home page the user can interact with three buttons:

* Button: Create a free account
  + Leads you to the view page to create an account
* Button: View Courses
  + Leads you to the view page that lists all available courses
* Button: Create your Account
  + Leads you to the view page to create an account

There is also a section that updates the value based on how many instructors, courses, and students to the nearest 10 value, rounded down.

**Navigation Bar – Mobile and Tablet Mode**

On the home page, user will see a navigation bar that contains the following:

* Home
* Course
* About
* Sign In

Test #1 – Changing screen size to tablet and mobile modes

Outcome: The nav bar will now turn into a “Hamburger” style drop down.

**Sign-in**

On the sign-in page the user can enter their credentials to log into their account. If they have not registered for an account, they can do so by clicking the “Click Here to Register” link at the bottom of the form.

Test #1 – Entering Sign-in credentials

Outcome #1 – Input fields are empty

Red text will appear at the bottom of each input field describing that the email/password is required.

Outcome #2 – Email or password are incorrect

If a user enters the wrong credentials an error message will show at the top of the screen showing: “The email or password entered is incorrect. Please try again.”

Outcome #3 – Email and password entered correctly

If a user enters the correct credentials, the user will transition to a new page that contains a dashboard depending on their role.

Note: If the user has successfully signed-in the “Sign-in” button will now appear as “Dashboard”.

**Register Account**

When registering an account, the user will be prompted to enter their First Name, Last Name, Email, Password and select a role.

Test #1 – Registering an account

Outcome #1: Input fields are empty

Red text will appear at the bottom of each input field describing that a value for the input field is required.

Test #2 – Registering an account the already exists

Outcome #1: If a user that registers enters an email that already exists an error will appear at the top of the screen that shows: “Email already exist. Try again with a new one.”

**Course List Filtering**

Test #1 – Filtering Courses

You can filter the course list by “Grade Level”, “Subject”, or a combination of both.

The course list will now sort the courses by the filters you have selected. If there are no courses that are found the page will show that no courses were found.

**Course List Details**

Test #1 – Viewing individual course details

You can click on a course’s “Details” from the course list page and it will send you to another webpage. If done correctly, you will see the course details and there will now be an enroll button on the page.

If the webpage did not find a course you will be prompted with a screen showing that there was an error populating the course information and a link to go back to the course list.

**Course Enroll**

Test #1 – Course Enroll

There are many potential outcomes.

Outcome #1 – Not Signed in

If the user is not signed in, an error message showing: "Please sign-in to enroll"

Outcome #2 – Signed in, not a student

If the user is signed in but is classified as not a student (ie: instructor or admin roles) there will be an error message at the top of the page showing: "You must be a student to enroll"

Outcome #3 – Course full

If the student were to enroll but the course is FULL (as shown under Current Capacity) there will be an error at the top of the page showing: "Sorry, the course you are registering for is already full"

Outcome #4 – Course start date < today’s date

If the student enrolls in a course that has already begun there will be an error message at the top of the page showing: "Sorry, registration for that course is now closed"

Outcome #5 – Already Enrolled

If the student tries to enroll again in the course an error will show at the top of the page showing: "You have already enrolled for this course."

Outcome #6 – Course end date < today’s date

If the student tries to enroll in a course that has already ended an error will show at the top of the page showing: "Sorry, that course has already ended."

Outcome #7 – Successful Enroll

When the student successfully enrolls, a message will show at the top of the page showing: "Course successfully registered".

Please note that after the student enrolls in a course, you can notice that the course capacity has increased by 1 for the course on the course list page.

**Administrator Dashboard:**

The administrator dashboard is only accessible if the user is logged in and their account is marked as an admin role. The admin has many options available to them which include:

* Instructor List
* Student List
* Course List
  + Edit
  + Delete
* Create Course
* Sign out

**Admin – Instructor List**

Clicking on “Instructor List” will lead to a page that contains a list of all instructors.

Clicking on “Details” for an individual instructor will lead to a page that will show all courses that are being taught by that instructor.

If the instructor was not a found an error message will show at the top of the page showing: "Error: Cannot find Instructor."

The error message can also be replicated if you change the “instructorID” found in the URL to a different value.

**Admin – Student List**

Clicking on “Student List” will lead to a page that contains a list of all instructors.

Clicking on “Details” for an individual student will lead to a page that will show all courses that the student is enrolled in.

If the student was not a found an error message will show at the top of the page showing: "Error: Cannot find Instructor."

The error message can also be replicated if you change the “studentID” found in the URL to a different value.

**Admin – Course List**

Clicking on “Course List” will lead to a page that contains a list of courses.

As the administrator, the course list has two additional actions where the administrator is able to “Edit” or “Delete” a specific course.

**Admin – Course List Edit**

Clicking on edit will lead to the Edit Course webpage that preloads the current course details in each respective field. Here the administrator is able set the instructor, edit the course name, subject, start/end dates, course description, grade level, and max capacity of the course.

Test #1 – Editing a course

There are multiple outcomes when editing a course.

If there was no CourseID or it was changed in the URL to something that does not exists it will result in error message showing: “An error occurred trying to populate course data.” With a link to return back to the course list

Outcome #1 – Field(s) are empty

These input fields are built using MVC scaffolding. If a field is left empty a red message will appear under the invalid input field with a description (IE: That field cannot be empty).

Outcome #2 – Edit Start Date after end date

An error message will appear at the top of the page showing: "Invalid: Course Start Date cannot be after End Date."

Outcome #3 – Course Max Capacity <= 0

If the admin is editing a course where the max capacity was set to a value 0 or lower, an error message will appear at the top of the page showing: "Invalid Max Capacity: Course must have a minimum of 1 student."

Outcome #4 – Course Max Capacity < Current Capacity

If the admin is editing a course

Outcome #5 – All fields are valid

A success message will appear at the top of the page showing: “Course Successfully Updated.”

**Admin – Course List Delete**

Clicking on “Delete” will lead to the Delete Course view where the user can delete the course.

The delete function and view were built using MVC Scaffolding.

If there was no CourseID or it was changed in the URL to something that does not exists it will result in error message showing: “An error occurred trying to populate course data.” With a link to return back to the course list.

Test #1 – Deleting a course

Outcome #1 – Course in progress (Start Date < todays date, End Date > todays date)

If the admin is deleting a course that is currently in progress (IE: State Date < Todays Date < End Date), there will be an error message at the top of the screen showing: "Error: Cannot delete a course that is in progress."

**Admin – Create Course**

Clicking on “Create Course” will take you to the Create Course View.

Test #1 – Creating a course

There are multiple outcomes when creating a course.

Outcome #1 – Field(s) are empty

These input fields are built using MVC scaffolding. If a field is left empty a red message will appear under the invalid input field with a description (IE: That field cannot be empty).

Outcome #2 – Create Start Date after End Date

If the admin is creating a course where the course start date is set after the end date an error message will appear at the top of the page showing: "Invalid Start Date: Course Start Date cannot be after End Date."

Outcome #3 – Start Date is before today’s date

If the admin is creating a course where the course start date was set before today’s date an error message will appear at the top of the page showing: "Invalid State Date: Course Start Date cannot be set in the past.”

Outcome #4 – Course Name already exists

If the admin is creating a course where the course name already exists then an error message will appear at the top of the page showing: "Invalid Course Name: That course already exists."

Outcome #5 – Course Max Capacity <= 0

If the admin is creating a course where the max capacity was set to a value 0 or lower, an error message will appear at the top of the page showing: "Invalid Max Capacity: Course must have a minimum of 1 student."

Outcome #6 – All fields are valid

A success message will appear at the top of the page showing: “Course Successfully Created.”

**Instructor Dashboard:**

The instructor dashboard is only accessible if the user is logged in and their account is marked as an instructor role. The instructor has a couple options available to them which include:

* Main
* My Courses
  + Course Details
    - Create a new assignment
    - Mark Assignments
* Sign-out

**Instructor - My Courses**

Clicking on “My Courses” will take you to the Course List view where the instructor can view all the courses that they are teaching.

Note: instructor dashboard is unique per that instructor. Manually changing the InstructorID in the URL will result in an error showing: “If You Are experiencing trouble accessing your courses, go back to main Instructor Dashboard and select course again”

Clicking on “Details” for a course will lead to a new view page details for the course and two new interactive functions; Create a new assignment and Mark assignments.

For each course, the instructor will see a list of students currently enrolled in the course. If there were no students enrolled there will be text showing: “No students enrolled in this course yet”.

Below the list of students enrolled will be an area where the instructor will be able to create an assignment and can view a list of assignments created for the course.

**Instructor – Create a New Assignment**

Test #1 – Creating a new assignment

Clicking on “Create a new assignment” will lead to the create assignment view where the instructor can enter values for the Question, Due Date, and Total Score.

Outcome #1 – Input Fields Empty

If the input field(s) are empty, red text will appear below the invalid input field with a description.

Outcome #2 – Due Date is set before today’s date

If the Due Date input is set before today’s date there will be a red text message that will appear below the Due Date input field showing: “Due Date can not be before today”.

Outcome #3 – Successfully created a course

If the instructor successfully creates a course a success message will appear at the top of the screen showing: “Successfully Created Assignment!”

Returning to the course details page, the newly added assignment will be shown in the assignment list.

**Instructor – Mark Assignment**

Once the assignment(s) are created for the course and assigned to students. The instructor can click on “Mark Assignment” for each individual student and view their submitted assignment.

Test #1 – Marking assignment

Clicking on “Mark Assignment”

Outcome #1 – No Assignment for Student

If the instructor clicked on “Marked Assignment” for a particular student, this will lead to a new view page. On the new view page, because there was no assignment, there will be a display showing: “No Assignment for this student yet.”

**Student Dashboard:**

The student dashboard is only accessible if the user is logged in and their account is marked as a student role. The student has a couple options available to them which include:

* Main
* My Courses
  + Course Details
    - Attempt Assignment
* Sign-out

**Student - My Courses**

Clicking on “My Courses” will take you to the Course List view where the student can view a list of courses that they are enrolled in.

Note: Student dashboard is unique per that instructor. Manually changing the StudentD in the URL will result in an error showing: “If You Are experiencing trouble accessing your courses, go back to main Instructor Dashboard and select course again”

**Student – Course Details**

A student is able to click on “Details” for a particular course and they will be led to a new view page that will show a description of the course, List of Assignments, List of Submitted Assignments.

Test #1 – Attempting Assignment

Clicking on “Attempt” in the List of Assignments will lead the student to a new view that will show the question card with an answer input field.

Outcome #1 – Empty Answer

If a student was to submit an empty answer there will be red text that will appear below the input field showing: “Answer is required.”

Outcome #2 – Successfully Attempted Assignment

If a student was to submit successfully, the question card will change and showcase: “Successfully Submitted Assignment!”.

Note: Once a student successfully attempts an assignment, once the student has returned to the course details page, they will be able to see the question in the “Submitted Assignment” list below the list of assignments.