

Phase 1 Use Cases

By Team Remote

View Student Engagement Information (Instructor)

Basic Course:

On the Student engagement page, the Instructor can view information based on the level of engagement of their Students. The Instructor can see how many people participated in each of the lecture Polls/Quizzes and their Answers. In addition, the Instructor will also be able to view the Student ratings/feedback for the lectures.

Alternative Course:

No data for a lecture: An error message will appear when an Instructor tries to access the data of a lecture that has none. Either the Instructor had set no activities for the lecture or the lecture has yet to happen.

Enter rating/feedback (Student)

Basic Course:

On the feedback page for a lecture, the Student will give the lecture a rating and optionally provide feedback in a textbox to be sent to the Instructor anonymously.

Alternative Course:

No rating or feedback when submitting: An error message will appear if a Student tries to submit without having given a rating or entered some feedback for the lecture.

Suggest/provide learning resources(Instructor)

Basic Course:

On the additional resources page the Instructor will be able to add/remove resources for a specific lecture. The Instructor will be able to provide a link to the resource and optionally leave a description.

Alternative Course:

Description left blank: A message will appear when an Instructor tries to add resources without a description to confirm their decision.

No link: An error message will appear when an Instructor tries to add resources without a link.

Access additional resources(Student)

Basic Course:

After selecting the Additional Resources link from a lecture, Students will be redirected to the resources page for that lecture where they can see all the links and descriptions provided by the Instructor.

Alternative Course:

No additional resources: An error message will appear if a Student tries to access additional resources for a lecture that has none provided.

Ask Questions during lecture(Student)

Basic Course:

After hitting the “Ask a Question.” button on a lectures homepage the Student will be given a prompt in which they can type out their Question in a text box and submit it to the Instructor.

Alternative Course:

Submitting after lecture: An error message appears if a Student tries to ask a Question and the lecture is already over.

Submitting blank Questions: An error message will appear if the Student tries to submit an empty Question and will be returned to the prompt to fill out the Question.

Monitor lecture Questions and update their status(Instructor)

Basic Course:

During the lecture when a Student submits a Question the Instructor will be notified through the app. Upon receiving a Question the Instructor will be able to navigate to the Questions page to view the Question. Once the Instructor has answered the Question they will be able to remove them from the queue via a button.

Alternative Course:

Lecture ends with Questions in queue: If a lecture ends and there are still Questions in the queue, the Instructor will be notified so that they can address them as they see fit.

Create Quiz

Basic Course:

On the Create Quiz page, Instructors can create a new Quiz. Instructors can then add Questions to a quiz using the Create Question prompt and change the name of the Quiz. When a Question is added, it will be given an incrementing Question Number indicating the order the Question will appear in an editable textbox and a point value defaulting to 1 in an editable textbox becoming a Quiz Question. The Instructor can change the Question Number to shift this order. When the Instructor is done adding Questions they can publish the Quiz as a Quiz or Poll. The Quiz is then added to the Instructor's list of Quizzes.

Alternative Course:

Quiz has no questions: An error message will show and prevent the Instructor from publishing the Quiz until the Instructor adds a question to the Quiz.

Quiz has no name: An error message will prompt asking the Instructor to give a name to their Quiz.

Quiz has a duplicate name: An error message will prompt stating that the current Quiz name matches an existing Quiz and asks to change it.

A Question is missing a number: The target Question's Number text field will be highlighted with an error message prompting that the Question Number text field is filled with an integer.

There are duplicate Question Numbers: The target Questions' Number text fields will be highlighted with an error message prompting the Instructor to fix the duplicate Question Number.

There is a Question Number Field that does not contain a number: The target Question's Number text field will be highlighted with an error message prompting that the Question Number text field is filled with an integer.

There is a point value box that does not contain a number or is empty: The target Question's Point text field will be highlighted with an error message prompting the Instructor to fix the duplicate Question Number.

Create Question

Basic Course:

After selecting the prompt on the Create Quiz page, the Instructor is taken to a page where they can create Questions for their quiz. There will be a text field for the Instructor to type in their question and below it a textbox to type in the answer. If the Question is set to select all that apply, there will be a button to add additional text fields for answers. Below the answer textbox is a textbox to type in incorrect choices, with a button that adds additional textboxes for incorrect answers. Once the Question is finished the Instructor submits the question and it is added to the Quiz.

Alternative Course:

Question is missing: An error prompt will show stating that the Question field is empty and prevents the Instructor from adding the question.

An Answer is missing: An error prompt will show stating that question needs at least one answer and prevents the Instructor from adding the question.

An incorrect answer is missing: An error prompt will show stating that question needs at least one incorrect choice and prevents the Instructor from adding the question.

Take Poll/Quiz

Basic Course:

The Student will select a Quiz from the selection and select the option to take the Quiz. The Student will then be taken to the Quiz's lowest numbered Question. On each Quiz Question page, there is the Question and a selection of Answers and Incorrect Choices that will be shuffled in random order. The Student can select a Choice to mark it. Additionally there are previous and next options at the left and right sides of the page that will bring the Student to the previous and next Questions respectively if one exists. At the bottom of Quiz page, there will be an option to submit. When selecting the submit option, there is a prompt asking the Student if they want to submit the Quiz with Yes and No options. Upon selecting Yes, the Quiz will be submitted and automatically graded by the app.

Alternative Course:

Student is on the first Question: The Left Arrow will not be available and Students cannot navigate to the previous Question.

Student is on the last Question: The right arrow will not be available and Students cannot navigate to the next Question.

Question(s) are left unanswered when submitting: A warning message will show telling the Student that there are unanswered questions and will show which Questions are unanswered. The Student can choose to go back and answer the Questions, or submit the Quiz anyway. Unanswered Questions will be marked as incorrect.

Time limit is up/Due Date expires: The Student will be forced out of the Quiz with a message stating that time has expired. The Quiz will be automatically submitted, even if the Student is not currently taking the Quiz and any unanswered Questions will be marked as incorrect.

A single choice Question has multiple choices selected: The currently marked Choice will be unselected and the newly selected Choice will be marked.

View Quiz Results

Basic Course

Students can view the Quiz Results in a format similar to how they took the Quiz with changes. Question pages will be marked correct with the answer highlighted in green. There are navigation options to go to the previous and next questions and to exit the results.

Alternative Course

Student is on the first Question: The Left Arrow will not be available and Students cannot navigate to the previous Question.

Student is on the last Question: The right arrow will not be available and Students cannot navigate to the next Question.

A question is not marked correctly: The Question is marked incorrect, missed correct choices will be labeled with an x, incorrect choices are highlighted red.

View Flashcards

Basic Course

Students will be able to view the Questions of a Quiz in a flashcard format. Selecting this option will bring the Student to a page that displays the first Question. Tapping the page will display the Answer to the Question, tapping it again will display the Question. There are navigation options to go to the previous and next questions and to exit the results. Additionally there is an option to save the flashcards to the student's account.

Alternative Course

Student is on the first Question: The Left Arrow will not be available and Students cannot navigate to the previous Question.

Student is on the last Question: The right arrow will not be available and Students cannot navigate to the next Question.

Flashcard is displaying Answer when clicked: Flashcard will display Question again.

Create Account

Basic Course:

On the create Account page, Instructors or Students can create a personal Account. Instructors or Students can enter their First name, Last name, and Email in the prompts. Once the Instructor or Student enters this information, a User name and Password can be chosen. Then, Instructors or Students can choose Instructor account or Student account using the account type prompt. When the Instructor or Student is done creating the Account, the account information will be added.

Alternative Course:

Invalid user name: A error message will appear that will prevent the Instructor or Student from creating the Account until the chosen User name meets all of the requirements.

Invalid password: A error message will appear that will prevent the Instructor or Student from creating the Account until the chosen Password meets all of the password strength requirements.

No first name: The First name field will be highlighted indicating that the Instructor or Student needs to type in a First name.

No last name: The Last name field will be highlighted indicating that the Instructor or Student needs to type in a Last name.

Invalid email: An error message will appear that will prevent the Instructor or Student from creating the Account until the email meets the requirements.

No email: The Email field will be highlighted indicating that the Instructor or Student needs to type in a valid Email.

Login/Logout

Basic Course:

On the home page, Instructors or Students can login to their Account. Instructors or Students can enter their User name and Password using the login prompt. Once the correct User name and Password is entered, Instructors or Students will be logged in. On the account page, Instructors or Students can logout of their Account. A button will be present that will logout Instructors and Students once it is clicked.

Alternative Course:

No user name: The User name field will be highlighted indicating that the Instructor or Student needs to type in a User name.

No password: The Password field will be highlighted indicating that the Instructor or Student needs to type in a Password.

Invalid user name: A error message will appear that will prevent the Instructor or Student from logging into the Account until the User name is correct.

Invalid password: A error message will appear that will prevent the Instructor or Student from logging into the Account until the Password is correct.

Create Course

Basic Course:

On the create course page, Instructors can create a new Course. Instructors can add a Course name and a Course ID using the create course prompt. Once the Course name and Course ID is created, Instructors can add Course sections. After the number of Sections are chosen, a list of the Course sections will appear and the Instructor will be able to assign each Section a Section number through a drop down list. Once the Instructor is done adding the Course, this Course will be added to the list of courses.

Alternative Course:

Course has no name: An error message will appear that will prevent the Instructor from publishing the Course until the Course has a name.

Course has no ID: An error message will appear that will prevent the Instructor from publishing the Course until the Course has an ID.

Course has no sections: The number of sections field will be highlighted indicating that the Instructor needs to add how many sections the Course has.

There is an invalid number for course sections: The number of course sections field will be highlighted indicating that the Instructor needs to type in a valid integer.

Course has duplicate section numbers: The drop down list will be highlighted indicating the Instructor needs to get rid of the duplicate course sections.

Add/Remove Students

Basic Course:

On the course page, Instructors can add and or drop Students. A button will be present for both of these options. Once the button is clicked, the Instructor will be prompted for the email of the Student. After the Instructor gives the email of the Student, the Student will either be added or dropped to or from the Course.

Alternative Course:

No student was added: An error message will appear that will prevent the Instructor from adding the Student to the Course until a student email is given.

No student was dropped: An error message will appear that will prevent the Instructor from dropping the Student from the Course until a student email is given.

Invalid email: An error message will appear that will prevent the Instructor from adding or dropping the student to or from the course until the email meets the requirements.

Join Courses Via Course Code

Basic Course:

On the Student home page, Students can join a Course. A button will be present for the Student to do this. Once the button is clicked, the Student will be prompted for the Course Invite Code. Once the Course Invite Code is entered, the Student will be able to access the Course.

Alternative Course:

No course code was entered: An error message will appear that will prevent the Student from being able to join the course until a Course code is given.

Course code doesn't exist: The Course code text box will be highlighted indicating the Student needs to add a Course code that matches the current course.