



TEST PLAN

CSC 440 Semester Project

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Testing UC1: Add User

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as admin, navigate to /users, click new single user, fill out all fields, select 3 courses, do not select admin or registrar check boxes, and click create

Expected Result:

The user will be created, and show in the list of users on /users

Test 2

Input Actions:

Navigate to site, log in as a non admin/registrar, navigate to /users

Expected Result:

Redirection to /courses

Test 3

Input Actions:

Navigate to site, log in as admin, navigate to /users, click new single user, fill out one field

Expected Result:

Warning to fill out all fields

Test 3

Input Actions:

Navigate to site, log in as admin, navigate to /users, click upload CSV, upload a file in the following format, and click "Import"

"name","email","is_admin","is_registrar","course_1","course_2","course_3"

"Test CSV 1","bob@csv1.com","false","false","1","2","3"

Expected Result:

The users will be created, and show in the list of users on /users

Test 4

Input Actions:

Navigate to site, log in as admin, navigate to /users, click upload CSV, upload a file with an incorrect format or fields

Expected Result:

An alert will be shown detailing what is wrong with the CSV file.

Testing UC2: Edit User

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as admin, navigate to /users, click edit on an existing user, change name field, and click update user.

Expected Result:

The user will be updated, and the change will be shown in the list of users on /users

Test 2

Input Actions:

Navigate to site, log in as a non admin/registrar, navigate to /users

Expected Result:

Redirection to /courses

Testing UC3: Ask Question

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as non admin, select a course, click ask new question, fill out title and content, click create question

Expected Result:

The question will be created, and shown in the list of questions for that course.

Test 2

Input Actions:

Navigate to site, log in as non admin, select a course, click ask new question, fill out only one field, click create question

Expected Result:

Warning to fill out all fields

Testing UC4: Answer Question

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as non admin, select a course, select a question in that course, click answer this question, fill out content, click create answer

Expected Result:

The answer will be created, and shown in the list of answers for that question.

Test 2

Input Actions:

Navigate to site, log in as non admin, select a course, select a question in that course, click answer this question, don't fill out content, click create answer

Expected Result:

Warning to fill out all fields

Testing UC5: Authenticate User

Test Type: Manual

Test 1

Input Actions:

Navigate to site, enter an email address that exists as a username in the system

Expected Result:

Redirection to /courses

Test 2

Input Actions:

Navigate to site, enter an email address that does not exist in the system

Expected Result:

Warning that the email address is invalid

Testing UC6: Vote on Question

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as admin or non admin, select a course, select a question in that course, vote on the question, either up or down

Expected Result:

The vote count on the question refreshes, and is increased or decreased by one, in the expected direction

Testing UC7: Vote on Answer

Test 1

Input Actions:

Navigate to site, log in as admin or non admin, select a course, select a question in that course, select an answer on the question, vote on the answer, either up or down

Expected Result:

The vote count on the answer refreshes, and is increased or decreased by one, in the expected direction

Testing UC8: Logout User

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as either admin or non admin, click on account on nav bar, then click log out

Expected Result:

Redirection to /login, session invalidated

Testing UC9: View Profile

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as either admin or non admin, click on account on nav bar, then click profile

Expected Result:

Redirection to /users/me, profile information is shown

Testing UC10: Search for Question

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as either admin or non admin, type a query in search box, and click search

Expected Result:

Redirection to /search, showing questions that have the search string in the title or content

Test 2

Input Actions:

Navigate to site, log in as either admin or non admin, leave search box blank, and click search

Expected Result:

The current page should refresh, but no search takes place.

Testing UC11: Edit Question

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as admin, choose a course, then click edit on any question (all questions should have the edit button for admins)

Expected Result:

Redirection to questions/edit/id, then when the form is filled out and submitted the question is updated

Test 2

Input Actions:

Navigate to site, log in as a non admin, choose a course, then click edit on a question that this user has asked

Expected Result:

Redirection to questions/edit/id, then when the form is filled out and submitted the question is updated

Test 3

Input Actions:

Navigate to site, log in as a non admin, navigate to /questions/edit/id, where the ID is of a question that was not asked by this user

Expected Result:

Redirection to /courses

Testing UC12: Edit Answer

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as admin, choose a course, choose a question, then click edit on any answer (all answers should have the edit button for admins)

Expected Result:

Redirection to answers/edit/id, then when the form is filled out and submitted the answer is updated

Test 2

Input Actions:

Navigate to site, log in as a non admin, choose a course, choose a question, then click edit on an answer that this user has provided

Expected Result:

Redirection to answers/edit/id, then when the form is filled out and submitted the answer is updated

Test 3

Input Actions:

Navigate to site, log in as a non admin, navigate to /answers/edit/id, where the ID is of a answer that was not provided by this user

Expected Result:

Redirection to /courses

Testing UC13: Delete Question

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as admin, choose a course, then click delete on any question (all questions should have the delete button for admins)

Expected Result:

The question is deleted, along with the answers belonging to that question. The question no longer appears in the list of questions for that course

Test 2

Input Actions:

Navigate to site, log in as a non admin, choose a course, then click delete on a question that this user has asked

Expected Result:

The question is deleted, along with the answers belonging to that question. The question no longer appears in the list of questions for that course

Testing UC14: Delete Answer

Test Type: Manual

Test 1

Input Actions:

Navigate to site, log in as admin, choose a course, choose a question, then click delete on any answer (all answers should have the delete button for admins)

Expected Result:

The answer is deleted. The answer no longer appears in the list of answers for that question

Test 2

Input Actions:

Navigate to site, log in as a non admin, choose a course, choose a question, then click delete on an answer that this user has provided

Expected Result:

The answer is deleted. The answer no longer appears in the list of answers for that question