

CS408 Project Test Plan

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Requirements and test cases:

Student

Login

1.
 - a. Login 001, Login, S1
 - b. Input a valid username and a valid password
 - c. Directed to the main page with a correct user access
2.
 - a. Login 002, Login, S1
 - b. Input an invalid username and a valid password
 - c. Display an error message and prevent the access to the main page.
3.
 - a. Login 003, Login, S1
 - b. Input a valid username and an invalid password
 - c. Display an error message and prevent the access to the main page

Taking a Test

1.
 - a. Taking a Test 001, Test, S1
 - b. Select a take a test option.
 - c. Display the list of tests that the user has the access of.
2.
 - a. Taking a Test 002, Test, S2
 - b. Select a take a test option. Select the test to take.
 - c. Display correct test format.
3.
 - a. Taking a Test 003, Test, S1
 - b. Submit the test.
 - c. Display initial score of the test in which multiple choices are graded in a correct manner. The test is sent to admin account for grading essay questions.
4.
 - a. Taking a Test 004, Test, S2
 - b. Select a take a test option after Taking a Test 003.
 - c. The test that was taken is disappeared from the list of the test.

See the Result

1.
 - a. See the Result 001, Result, S1
 - b. Select a see the result option.
 - c. Display the list of tests that the user has taken with correct test statistics

Admininstrator / Teacher

Logging in

2.
 - a. Logging In 001, Login, S1
 - b. Input a valid username (admin) and a valid password (admin)
 - c. Directed to the main page with administrator privilege
3.
 - a. Logging In 002, Login, S1
 - b. Input an invalid username and a valid password
 - c. Display an error message and prevent the access to the main page.
4.
 - a. Logging In 003, Login, S1
 - b. Input a valid username and an invalid password
 - c. Display an error message and prevent the access to the main page

Functionality

1.
 - a. Functionality 001, Add New User, S1
 - b. Select the chapter, access restriction, username, password and name of the user in an appropriate form.
 - c. User is added to the database with the input data
2. (not allowed, need to be modified later)
 - a. Functionality 002, Add New User, S1
 - b. Select the chapter, access restriction, username, password and name of the user in a manner that goes against the rules.
 - c. Display an error message and the user is not added to the database
3.
 - a. Functionality 003, Edit Existing User, S2
 - b. Select the username to modify from existing database. Input new username, new password, and new real name
 - c. User information is successfully modified in the database
4.
 - a. Functionality 004, Edit Existing User, S2
 - b. Select the username to modify from existing database. Input the strings that goes against the rules.
 - c. Display an error message and the user is not modified in the database
5.
 - a. Functionality 005, Edit Existing User, S3
 - b. Select the username to modify from existing database. Input only one of the fields, and leave other field(s) blank
 - c. Only one field with the input is modified in the database. Other fields stay the same in the database.
6.
 - a. Functionality 006, Add Chapter for Existing User, S1

- b. Select the user who does not have an access to the chapter that is in the database. Add the chapter to the user account.
 - c. User will have an access to the chapter test
- 7.
 - a. Functionality 007, Add Chapter for Existing User, S2
 - b. Select the user who already has the access to the chapter
 - c. The chapter is not displayed on the list of chapters
- 8.
 - a. Functionality 008, Delete Existing User, S3
 - b. Select the user to be deleted.
 - c. The user along with related test results is deleted from the database
- 9.
 - a. Functionality 009, Add New Test, S1
 - b. Enter all the required fields followed by the rules.
 - c. Direct the page to write questions and the number of questions matches with the input
- 10.
 - a. Functionality 010, Add New Test, S1
 - b. Enter all the questions and answers respectively
 - c. The test is successfully created
- 11.
 - a. Functionality 011, Add New Test, S2
 - b. Leave the questions blank
 - c. Display an error message and the test is not added
- 12.
 - a. Functionality 012, Add New Test, S2
 - b. Leave the answers blank
 - c. Display an error message and the test is not added
- 13.
 - a. Functionality 013, Add New Test, S2
 - b. Enter all the required fields with invalid format
 - c. Display an error message and the test is not added to the database
- 14.
 - a. Functionality 014, Add New Test, S2
 - b. Enter some of the fields and leave one field blank
 - c. Display an error message and the test is not added to the database
- 15.
 - a. Functionality 015, Add New Test, S2
 - b. Enter a number of question less than equal to 0
 - c. Display an error message and the test is not added to the database
- 16.
 - a. Functionality 016, Add New Test, S2

- b. Enter the chapter name and the test number, which already exist in the database
 - c. Display an error message and the test is not added to the database
- 17.
 - a. Functionality 017, Add New Test, S2
 - b. Enter a number of question with a huge number (ex. 9999999999999999)
 - c. Can not load the page and the test is not added to the database
- 18.
 - a. Functionality 018, Clone Existing Test, S3
 - b. Select the test to be cloned and enter the name and test name of the new test
 - c. A test is successfully cloned with the name and test name entered.
- 19.
 - a. Functionality 019, Clone Existing Test, S3
 - b. Select the test to be clone and leave the fields blank
 - c. Display an error message and the test is not cloned
- 20.
 - a. Functionality 020, Modify Existing Test, S2
 - b. Select the test to be modified
 - c. Display the list of actions: Change Test Name, Change Questions and Options, Change Number of Questions, Delete Specific Questions, and Change Time Limit
- 21.
 - a. Functionality 021, Modify Existing Test, S2
 - b. Select the test to be modified, and choose Change Test Name. Enter new test name
 - c. The name of the test is changed to the new test name
- 22.
 - a. Functionality 022, Modify Existing Test, S2
 - b. Select the test to be modified, and choose Change Test Name. Enter invalid form for the name
 - c. Display error message. Test name is not changed
- 23.
 - a. Functionality 023, Modify Existing Test, S2
 - b. Select the test to be modified. Choose Change Questions and Options. Enter all the fields.
 - c. The questions successfully updated with inputs.
- 24.
 - a. Functionality 024, Modify Existing Test, S2
 - b. Select the test to be modified. Choose Change Questions and Options. Enter some of the fields, and leave some blank
 - c. Display error message. Questions and options do not get updated.
- 25.

- a. Functionality 025, Modify Existing Test, S3
 - b. Select the test to be modified, and choose Number of Questions. Enter the new number to be less than the original number.
 - c. The number of the questions is changed. Last few questions are removed from the test
- 26.
- a. Functionality 026, Modify Existing Test, S3
 - b. Select the test to be modified, and choose Number of Questions. Enter the new number to be greater than the original number.
 - c. The number of the questions is changed. There are extra spaces for new questions.
- 27.
- a. Functionality 027, Modify Existing Test, S2
 - b. Select the test to be modified, and choose Number of Questions. Enter invalid number.
 - c. Display Error message. The number of questions is not changed.
- 28.
- a. Functionality 028, Modify Existing Test, S2
 - b. Select the test to be modified, and choose Number of Questions. Leave some fields blank.
 - c. Display Error message. The number of questions is not changed.
- 29.
- a. Functionality 029, Modify Existing Test, S2
 - b. Select the test to be modified, and choose Delete Specific Questions. Select the question to be deleted.
 - c. The question is removed from the test.
- 30.
- a. Functionality 030, Modify Existing Test, S2
 - b. Select the test to be modified, and choose Delete Specific Questions. Click Delete Question without selecting any questions
 - c. Display Error message. The list of question remains the same
- 31.
- a. Functionality 031, Modify Existing Test, S2
 - b. Select the test to be modified, and choose Change Time Limit. Enter the new valid time limit.
 - c. Time limit of the test is changed
- 32.
- a. Functionality 032, Modify Existing Test, S2
 - b. Select the test to be modified, and choose Change Time Limit. Enter the invalid time limit.
 - c. Display Error message. Time limit of the test is not changed
- 33.
- a. Functionality 033, Change Chapter Name. S2

- b. Select the chapter whose name is going to be changed, Enter the new name of the chapter
 - c. Display the new name of the selected Chapter
- 34.
 - a. Functionality 034, Change Chapter Name, S2
 - b. Select the chapter whose name is going to be changed, Enter an empty new name of the chapter
 - c. Display an error message and the chapter name does not change
- 35.
 - a. Functionality 035, Change Chapter Name, S2
 - b. Do not Select the chapter whose name is going to be changed,
 - c. Display an error message that the chapter does not exists
- 36.
 - a. Functionality 036, Delete Existing Test, S1
 - b. Select the test to be deleted and then click the “delete”
 - c. Selected test should be deleted in the database, and stop showing up on the page
- 37.
 - a. Functionality 037, Delete Existing Test, S1
 - b. Do not Select the test to be deleted and then click the “delete”
 - c. Display an error message that the test does not exists
- 38.
 - a. Functionality 038, Delete Existing Test, S2
 - b. Select all of the tests under one chapter to be deleted and then click the “delete”
 - c. Selected tests and the chapter which includes all of tests should be deleted in the database, and stop showing up on the page
- 39.
 - a. Functionality 039, Delete Existing Test, S2
 - b. Select all of the tests under one chapter to be deleted and then click the “delete”
 - c. Selected tests and the chapter which includes all of tests should be deleted in the database, and stop showing up on the page
- 40.
 - a. Functionality 040, Grade Test, S1
 - b. Select the name of the user whose test needs grading, select the test taken by the user which needs to be graded, enter the grad and the max possible
 - c. Display the user’s name, the test was graded and the test score
- 41.

- a. Functionality 041, Grade Test, S2
 - b. Select the name of the user whose test needs grading, select the test taken by the user which needs to be graded, enter max possible and enter the empty grad
 - c. Display the error message, content is invalid
- 42.
- a. Functionality 042, Grade Test, S2
 - b. Select the name of the user whose test needs grading, select the test taken by the user which needs to be graded, enter empty max possible and enter the grad
 - c. Display the error message, content is invalid
- 43.
- a. Functionality 043, Grade Test, S2
 - b. Do not Select the name of the user whose test needs grading, select the test taken by the user which needs to be graded, enter max possible and enter the grad
 - c. Display the error message, content is invalid
- 44.
- a. Functionality 044, Grade Test, S2
 - b. Select the name of the user whose test needs grading, do not select the test taken by the user which needs to be graded, enter max possible and enter the grad
 - c. Display the error message, content is invalid
- 45.
- a. Functionality 045, Grade Test, S2
 - b. Select nothing, and enter nothing
 - c. Display the error message, content is invalid
- 46.
- a. Functionality 046, Review Client Answer, S1
 - b. Select the name of the user who needs to be reviewed, selected the name of the exam to be reviewed
 - c. Questions, correct answers and user's answer will be displayed
- 47.
- a. Functionality 047, Review Client Answer, S2
 - b. Do Select the name of the user who needs to be reviewed
 - c. Display the error message, invalid user
- 48.
- a. Functionality 048, Review Client Answer, S2

- b. Select the name of the user who needs to be reviewed, Do not selected the name of the exam to be reviewed
- c. Display the error message, invalid test name

49.

- a. Functionality 049, Review Client Answer ,S2
- b. After finish the review, press back to select another user, And do a similar review as Functionality 046
- c. Questions, correct answers and user's answer will be displayed

50.

- a. Functionality 050, Review Client Answer ,S2
- b. After finish the review, Press "OK" to go to the admin page
- c. Admin page will be displayed

51.

- a. Functionality 051, Review Client Performance, S1
- b. Select Review Client Performance and click ok
- c. The name, username, test name, completion time, and grades will displayed for each user.

52.

- a. Functionality 052, Review Test Statistics , S1
- b. Select the test whose statistics you want to see
- c. The maximum, minimum, and the average of that test will be displayed

53.

- a. Functionality 053, Review Test Statistics , S2
- b. Do not Select the any test
- c. Error message says Selected test in invalid