

Testing Plan: Quizicals

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April 5, 2016

ID	Title	Severity	Instructions	Expected Result
1	Login	1	Enter incorrect login credentials at the Login window.	Incorrect username/password notification is displayed to user and the password field is cleared.
2	Login	1	Enter incorrect answer to user's security question password recovery form.	Incorrect security answer notification is displayed to the user and the answer field is cleared.
3	Login	1	Enter mismatching passwords when resetting password at the password recovery form.	Mismatched password notification is displayed to the user and the password fields are cleared.
4	Login	1	Enter an invalid password when resetting the password at the password recovery form.	Invalid password notification is displayed to the user with valid password criteria, and the password fields are cleared.
5	Login	1	Attempt to login with old password after resetting user's password.	Incorrect username/password notification is displayed to the user and the password field is cleared.

ID	Title	Severity	Instructions	Expected Result
6	Main Menu: Student	1	From the student's main menu, attempt to take a quiz by clicking "Take Quiz".	Class Selection window is displayed for user to choose an enrolled class from which to take a quiz.
7	Main Menu: Student	1	From the student's main menu, attempt to view an old quiz by clicking "View Old Quiz".	Class Selection window is displayed for user to choose an enrolled class from which to view old quizzes.
8	Main Menu: Student	2	Return to main menu after clicking the "Back" button at the Class Selection window.	Current window closes and the user is returned to the student's main menu.

ID	Title	Severity	Instructions	Expected Result
9	Main Menu: Teacher	1	From the teacher's main menu, attempt to create a new quiz by clicking "Create Quiz".	Class Selection window is displayed for user to choose an enrolled class from which to create a quiz.

10	Main Menu: Teacher	1	From the teacher's main menu, attempt to edit an old quiz by clicking "Edit Old Quiz".	Class Selection window is displayed for user to choose an enrolled class from which to edit an old quiz.
11	Main Menu: Teacher	1	From the teacher's main menu, attempt to view student scores on old quizzes by clicking "View Student Scores".	Gradebook window is displayed for teacher to view quizzes, enrolled students, and classes and scores to edit.
12	Main Menu: Teacher	2	Return to main menu after clicking the "Back" button at the Class Selection window.	Current window closes and the user is returned to the teacher's main menu.
13	Main Menu: Teacher	2	Return to main menu after clicking the "Back" button at the Gradebook window.	Current window closes and the user is returned to the teacher's main menu.

ID	Title	Severity	Instructions	Expected Result
14	Create Quiz	1	From the Class Selection window, click on desired enrolled class for which to create a quiz.	Quiz Editing window is displayed to begin creating a new quiz for the selected class.
15	Create Quiz	3	Attempt to add question to a quiz that has a blank question field.	User is informed that a question/answer field is missing, and prohibits them from adding the question to the quiz.
16	Create Quiz	3	Attempt to add a question to a quiz that has no (blank) answer fields.	User is informed that a question/answer field is missing, and prohibits them from adding the question to the quiz.
17	Create Quiz	3	Enter text into an answer field(s) and switching between multiple choice and true/false question types repeatedly.	Previously entered text in the answer fields remains/reappears as you switch between types.
18	Create Quiz	2	While creating a quiz, click "Finish" to display the Quiz Overview window, then click "Back".	Warning displayed to user asking if they would like to save changes to the quiz before leaving.
19	Create Quiz	3	Begin creating a new quiz and immediately click "Cancel".	Quiz Editing window is closed and the user is returned to the teacher's main menu.
20	Create Quiz	2	Begin creating a new quiz, enter text into the question and answer field, and then click "Cancel".	Warning displayed to user asking if they would like to save changes to the quiz before leaving.

21	Create Quiz	1	From the Quiz Overview window, click “Add a Question”.	Quiz Editing window is displayed to begin creating a new question for the current quiz.
22	Create Quiz	1	From the Quiz Overview window, click “Finish”.	User is prompted to enter a name for the quiz.
23	Create Quiz	1	At the quiz name entry prompt, enter an unused quiz name and click “OK”.	Quiz is saved and the user is returned to the teacher’s main menu.
24	Create Quiz	2	At the quiz name entry prompt, enter a used/existing quiz name and click “OK”.	Warning is displayed to user informing them that the quiz name already exists, requiring them to enter a different name.
25	Create Quiz	1	At the quiz name entry prompt, do not enter a quiz name (leave blank) and click “OK”.	Warning is displayed to user informing them to enter a quiz name and requiring them to enter a name.

ID	Title	Severity	Instructions	Expected Result
26	Edit Quiz	1	From the Class Selection window, click on desired enrolled class for which to edit a quiz.	Quiz Selection window is displayed for user to choose an existing quiz to edit for the selected class.
27	Edit Quiz	1	From the Quiz Selection window, click on the desired quiz to edit.	Quiz Overview window of the selected is displayed to the user to begin editing the quiz.
28	Edit Quiz	1	From the Quiz Overview window, click “Edit” from under the question to edit.	Quiz Editing window is displayed with the current question text and answer options.
29	Edit Quiz	1	From the Quiz Overview window, click “Remove” from under the question to remove.	The question is no longer shown and is deleted from the quiz. The quiz numbering is also updated.
30	Edit Quiz	1	From the Quiz Overview window, click “Finish”.	User is prompted to enter an updated name for the quiz.
31	Edit Quiz	1	At the quiz name entry prompt, enter a new, unused quiz name and click “OK”.	Quiz is updated and saved and the user is returned to the teacher’s main menu.
32	Edit Quiz	3	At the quiz name entry prompt, enter the current quiz name and click “OK”.	Quiz is updated and saved and the user is returned to the teacher’s main menu.
33	Edit Quiz	1	At the quiz name entry prompt, do not enter a quiz name (leave blank) and click “OK”.	Warning is displayed to user informing them to enter a quiz name and requiring them to enter a name.

ID	Title	Severity	Instructions	Expected Result
34	View Student Scores: Gradebook	1	Open the Gradebook from the teacher's main menu by clicking "View Student Scores"	Gradebook window is displayed and shows correct quizzes, enrolled students, classes, and scores to edit.
35	View Student Scores: Gradebook	3	Select a quiz score for a single student, update the grade with a valid point input, and click "Update Gradebook".	Notification informs user that the grade has been successfully updated.
36	View Student Scores: Gradebook	3	Select a quiz score for a single student, update the grade with an invalid point input (points beyond maximum for that quiz), and click "Update Gradebook".	Notification informs user that the updated grade exceeds maximum points for that quiz and to re-enter a valid score.
37	View Student Scores: Gradebook	1	Select a quiz score for a single student, update the grade with an invalid point input (sequence of letter characters), and click "Update Gradebook".	Notification informs user that the updated grade is invalid and to re-enter a valid score.
38	View Student Scores: Gradebook	1	Click the class selection drop-down menu and choose a new class for which to view students and scores.	Gradebook window is updated and shows the new quizzes, enrolled students, and scores to edit.
39	View Student Scores: Gradebook	1	Update the score for a student's quiz in the Gradebook. Login as that student and view the updated quiz score in "View Old Quiz".	The student should see the updated score that was entered by the teacher when viewing that quiz.

ID	Title	Severity	Instructions	Expected Result
40	Take Quiz	1	From the Class Selection window, click on a class for which the student is enrolled to take a quiz.	Quiz Selection window is displayed with all available quizzes for the selected class.
41	Take Quiz	1	From the Quiz Selection window, click on a quiz to take.	Selected quiz is displayed with teacher's questions and randomly-ordered, selectable answers.
42	Take Quiz	1	Take a quiz, answer all questions correctly, and click "Submit".	Maximum number of points possible are awarded and an information dialog containing the user's score is displayed.

43	Take Quiz	1	Take a quiz, answer some of the questions correctly and some incorrectly, and click "Submit".	Partial points are awarded corresponding to the number of correct questions, and an information dialog containing the user's score is displayed.
44	Take Quiz	1	Take a quiz, answer all questions incorrectly, and click "Submit".	No points are awarded, and an information dialog containing the user's score is displayed.
45	Take Quiz	2	Take a quiz, answer none of the questions, and click "Submit".	User is prevented from submitting the quiz for grading until all questions have been answered and are informed of such with a notification.
46	Take Quiz	3	Take a quiz, answer some of questions (correctly or incorrectly), leave some questions blank, and click "Submit".	User is prevented from submitting the quiz for grading until all questions have been answered and are informed of such with a notification. Ideally, user is informed of which questions have been left unanswered.

ID	Title	Severity	Instructions	Expected Result
47	View Old Quiz	1	From the Class Selection window, click on a class for which the student is enrolled.	Quiz Selection window is displayed with all available quizzes for the selected class.
48	View Old Quiz	1	From the Quiz Selection window, click on an old quiz to view.	The old quiz is displayed in a report form and is able to be browsed by the user.
49	View Old Quiz	1	From the Quiz Selection window, click on an old quiz to view.	The old quiz selected to view is correctly numbered, shows all questions, and is properly marked with correct/incorrect answers.