**ASRC Onboarding Online Learning Resource**

**Testing Plan/Testing Scripts**

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**Team Parrots**

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**1. Introduction**

The purpose of this testing plan is to provide a defined set of tasks and actions to take in order to assure the Onboarding Online Learning system is capable of running to the best of its ability without fatal error. With risk being relatively low in its impact on stakeholders of the project as well as likelihood, testing any given component of the system too extensively may prove to be an unnecessary waste of resources. To account for this, the crucial elements of the project which will be subdivided into test subjects have been outlined:

-User Management

-User Credential Validation

-Quiz Creation

-Quiz Management

-Quiz Taking

-Metrics

Testing should be exhaustive enough to accommodate a large amount of different factors that could potentially cause the system to malfunction, but not too exhaustive such that the testing seems excessive or redundant.

**2. Scope**

The scope of this testing is to make certain that the project is functional in all aspects outlined before, and throughout the duration of the project. Different levels of this testing will be administered to the core components of the project in alignment with their respective factors of risk and value outlined in the ASRC Onboarding Online Learning Resource Validation Plan to the overall system:

Unit Testing of Individual Functions: **User Credential Validation and Security**

Integration Testing of Several Combined Components: **Level of Privilege and Access to Given Functionality, Account Creation, Account Deletion, Interaction Between Database Information and User Interface, Quiz Creation, Quiz Deletion (Front End), Quiz Deletion (Back End), Subject Creation**

System Testing: **Session Verification, Quiz Taking, Quiz Creation, Webpage Hosting and Styling, Webpage Functionality [Buttons, Icons, etc.]**

**3. Testing Assumptions**

Assumptions about the system and its usage have been made in an attempt to avoid explicit definition of prerequisite requirements and to adhere to time constraints. An assumption has been made that individuals testing should have a basic level of knowledge and familiarity with general computing environments, computing terms, and web browsers/webpage navigation. It is also assumed that the Onboarding Online Learning Resource System will be hosted in an environment in which testers can access and test on it, with correct versions of required database functions.

**4. Testing Environment**

The environment in which the Onboarding Online Learning Resource System can be reliably tested and have functionality validated is as follows:

Windows 10 Version 1903 or Higher

Google Chrome Version 78.0.3904.108 (Official Build) (64-bit) or higher

Mozilla Firefox Version 70.0.1 or higher

Internet Explorer Version 11.476.18362.0 or higher

Microsoft Edge Version 44.18362.449.0 or higher

**5. Passing/Failing of a Testing Script**

Tests will be considered complete once all arranged testing scripts have been determined to PASS or FAIL after all possible steps of the procedure have been completed. A PASS mark for the whole of the test means that all steps of the procedure were completed with Actual Results aligning with Expected Results for that step. A FAIL mark on any given step should not be the end of the test; if further steps may be completed without that step’s Actual Results agreeing with the Expected Results, the tester should continue with the following steps to the best of their ability. If a tester has probable cause to believe that all subsequent results after a FAILed step have been reached are to also FAIL, then the script may be marked as FAIL without all steps of the procedure having been completed.

**6. Testing Scripts and Tester Role Definition**

Certain testing scripts to test the components of the ASRC Onboarding Online Resource should be tested by different people with varying levels and areas of expertise to make the testing more efficient and manageable. The following Tester Roles have been defined to indicate qualities/skills the tester should have for a given test:

|  |  |
| --- | --- |
| Role | Responsibilities |
| DB | Intermediate Knowledge of Database Structure and Function |
| SQL | Intermediate Knowledge of MySQL Procedures and Queries |
| QC | Have previously created a quiz that is currently in the database |

**6.01 Valid Login and Logout Test**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | PASS/FAIL | Date/Time Performed |
| 1 | N/A | 1 | Open Google Chrome | Google Chrome Window Opens |  | Validation: F1, F2, B1a |  |  |
|  |  | 2 | Go to Web Address | Login Page Appears |  |  |  |  |
|  |  | 3 | Click inside of the text box labelled Username | Cursor appears in the text box |  |  |  |  |
|  |  | 4 | Enter Valid User name into text box | Text appears in the text box |  |  |  |  |
|  |  | 5 | Click inside of the text box labelled Password | Cursor appears in the text box |  |  |  |  |
|  |  | 6 | Enter Valid Password into text box | Circles appear for each keypress - hiding the entry details from the tester |  |  |  |  |
|  |  | 7 | Click the ‘Login’ button under the text box | Tester is brought to a popup ‘Welcome user’ prompt |  |  |  |  |
|  |  | 8 | Click ‘ok’ on the user welcome message | The tester is brought to the homepage |  |  |  |  |
|  |  | 9 | Hover over the user icon in the navigation bar | A drop down appears with options ‘My Quizzes’, ‘My Grades’, ‘Logout’ |  |  |  |  |
|  |  | 10 | Select the ‘Logout’ button from the dropdown | Tester is brought back to the Login Page |  |  |  |  |

**6.02 Mentor Functionality Specific to Mentor Accounts**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 2 | N/A | 1 | Repeat Test 1 Steps 1-3 | Tester should arrive at the login page of the website and have a cursor in the text box of the Username text box |  | Validation: F1, F2, B1b |  |  |
|  |  | 2 | Enter a Valid Username of an account with mentor permissions | The text box should fill with the text typed |  |  |  |  |
|  |  | 3 | Click inside the box labelled ‘Password’ | Cursor should appear inside the text box labelled ‘Password’ |  |  |  |  |
|  |  | 4 | Enter the Valid Password associated with the entered username | Circles appear for each keypress - hiding the entry details from the tester |  |  |  |  |
|  |  | 5 | Click the ‘Login’ button under the text box | tester is brought to a popup ‘Welcome user’ prompt |  |  |  |  |
|  |  | 6 | Click ‘ok’ on the user welcome message | The tester is brought to the homepage with a navigation bar having an option of ‘Mentor’ |  |  |  |  |
|  |  | 7 | Perform Test 1 Step 9-10 | Tester is brought back to the Login Page |  |  |  |  |
|  |  | 8 | Repeat steps 2-6 with credentials of an account lacking mentor status | The tester is redirected to the homepage, without the navigation bar having the ‘Mentor’ options |  |  |  |  |

**6.03 Mentor View User Functionality**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 3 | N/A | 1 | Perform Test 2 Steps 1-6 | Tester should be logged into a valid Mentor account with the menu option of ‘Mentor’ available |  | Validation: F1, F2 |  |  |
|  |  | 2 | Hover over the ‘Mentor’ button in the navigation bar | A drop down should appear giving the tester the option of ‘View User’, ‘Metrics’, and ‘Manage Subjects’ |  |  |  |  |
|  |  | 3 | Select ‘View User’ from the drop down menu | The tester should be redirected to the user management page |  |  |  |  |
|  |  | 4 | Select the ‘View User’ button next to any of the users in the user list | The tester should be redirected to a page containing the information about the selected user |  |  |  |  |

**6.04 Mentor Functionality Account Creation**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 4 | N/A | 1 | Perform Test 2 steps 1-6 | The login page of the website is appearing on the Google Chrome browser |  | Validation: F1, F2, B1e |  |  |
|  |  | 2 | Hover over the ‘Mentor’ button in the navigation bar | A dropdown should appear with options ‘View User’, ‘Metrics’, ‘Manage Subjects’ |  |  |  |  |
|  |  | 3 | Select ‘View User’ from the list | The tester should be redirected to a User List page |  |  |  |  |
|  |  | 4 | Select the ‘Create User’ button | The tester will be redirected to the Create a New User page |  |  |  |  |
|  |  | 5 | Click inside the text box with the text reading ‘Enter employee’s email’ | A cursor should appear in the 1st of 4 text boxes |  |  |  |  |
|  |  | 6 | Enter a valid email into the text box | The email the tester entered should appear in plaintext within the text box |  |  |  |  |
|  |  | 7 | Click inside the text box labelled ‘Re-enter employee’s email’ | A cursor should appear in the 2nd of 4 text boxes |  |  |  |  |
|  |  | 8 | Re-enter the same email as previously used  in the 1st text box | The email entered should appear in plaintext within the text box |  |  |  |  |
|  |  | 9 | Click inside of the text box labelled ‘Type desired password’ | A cursor should appear in the 3rd of 4 text boxes |  |  |  |  |
|  |  | 10 | Enter a valid password into the text box | The text the tester enters should appear as circles inside of the textbox |  |  |  |  |
|  |  | 11 | Click inside of the text box labelled ‘Re-type desired password’ | A cursor should appear in the 4th of 4 text boxes |  |  |  |  |
|  |  | 12 | Re-enter the same valid password as that used in the 3rd of 4 text boxes | The text the tester enters should appear as circles inside of the textbox |  |  |  |  |
|  |  | 13 | Select the box labelled ‘Mentor’ | The ‘Mentor’ box should be filled |  |  |  |  |
|  |  | 14 | Select ‘Create User’ | A popup telling the tester that the User has been successfully created appears |  |  |  |  |
|  |  | 15 | Select ‘ok’ on the popup menu | Tester should be redirected to the ‘Create a New User’ page |  |  |  |  |
|  |  | 16 | Repeat steps 2 and 3 | The tester should be redirected to the User List |  |  |  |  |
|  |  | 17 | Verify that the new User is in the User List | The new User should appear in its alphabetic place in the list |  |  |  |  |
|  |  | 18 | Click ‘View User’ next to the newly created user’s listing in the table | The tester should be redirected to a User management page, where the Mentor box is selected |  |  |  |  |
|  |  | 19 | Repeat steps 2-15 and steps 16-18 | The new user’s information should be displayed in the View User page, with the Mentor box unselected |  |  |  |  |

**6.05 Mentor Functionality Account Deletion**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 5 | N/A | 1 | Perform Test 3 steps 1-3 | The tester should be redirected to a page with a list of users |  | Validation: F1, F2, B1e |  |  |
|  |  | 2 | Select the ‘View User’ button next to any of the given users | The selected user’s information should be displayed on the ‘View User’ Page |  |  |  |  |
|  |  | 3 | Select the ‘Delete User’ button | The tester should be prompted with a popup asking whether they really wish to delete the user |  |  |  |  |
|  |  | 4 | Select the ‘Ok’ button | A new popup should appear informing the tester that the user has been deleted |  |  |  |  |
|  |  | 5 | Select the ‘Ok’ button | The tester should be redirected to the user list page |  |  |  |  |
|  |  | 6 | Verify that the user deleted is no longer represented in the list of users | The list of users does not contain the username of the user deleted |  |  |  |  |

**6.06 Quiz Visibility Functionality**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 6 | QC | 1 | Perform Test 1 steps 1-8 | The tester is redirected to the homepage of the website |  | Validation: F1, F2, B2c |  |  |
|  |  | 2 | Select ‘Take a quiz’ from the navigation bar | The tester is redirected to the Take a quiz page |  |  |  |  |
|  |  | 3 | Take note of the available quizzes that can be taken created by the user that is currently logged in | The quizzes that can be taken will reflect the visibility of the quizzes |  |  |  |  |
|  |  | 4 | Select ‘Manage a Quiz’ from the navigation bar | The tester is redirected to the Manage a Quiz page |  |  |  |  |
|  |  | 5 | Select ‘Toggle Visibility’ button next to one of the quizzes found in the list of the available quizzes created by the user that is currently logged in | The currentpage should refresh |  |  |  |  |
|  |  | 6 | Select the ‘Take a Quiz’ button from the navigation bar | The tester should be redirected to the Take a Quiz page |  |  |  |  |
|  |  | 7 | Verify that the quiz that was previously in the list of quizzes available to be taken | The name of the quiz should no longer be visible in the list of available quizzes |  |  |  |  |
|  |  | 8 | Select ‘Manage a Quiz’ from the navigation bar | The tester is redirected to the Manage a Quiz page |  |  |  |  |
|  |  | 9 | Select the ‘Toggle Visibility’ button next to the same quiz as previously recorded | The currentpage should refresh |  |  |  |  |
|  |  | 10 | Select the ‘Take a Quiz’ button from the navigation bar | The tester should be redirected to the Take a Quiz page |  |  |  |  |
|  |  | 11 | Verify that the selected quiz is now a quiz that is available to be taken in the list | The selected quiz should now be in the listing of available quizzes to be taken |  |  |  |  |

**6.7 Manual Quiz/Question Creation**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 7 | N/A | 1 | Perform Test 1 steps 1-8 | The tester is brought to the homepage of the website |  | Validation: F1, F2, B2a |  |  |
|  |  | 2 | Hover over ‘Create a Quiz’ in the navigation bar | A dropdown appears with options ‘Create Quiz Manually’ and ‘Upload Quiz’ |  |  |  |  |
|  |  | 3 | Select ‘Create Quiz Manually from dropdown | The tester is redirected to the Create Quiz Manually page |  |  |  |  |
|  |  | 4 | Click inside the text box labelled ‘Quiz name’ | A cursor should appear inside of the text box |  |  |  |  |
|  |  | 5 | Enter a name for the quiz | The chosen name for the quiz should appear inside of the text box |  |  |  |  |
|  |  | 6 | Click inside the text box labelled description | A cursor should appear inside of the text box |  |  |  |  |
|  |  | 7 | Enter a description for the quiz | The typed description for the quiz should appear inside of the text box |  |  |  |  |
|  |  | 8 | Click inside the text box labelled Time limit | A cursor should appear inside of the text box |  |  |  |  |
|  |  | 9 | Enter a number of size 1000000000(9 0’s) or lower for the time limit | The number typed should appear in the text box |  |  |  |  |
|  |  | 10 | Select the ‘Create Quiz’ Button | The tester should be redirected to the Quiz editing page for the newly created quiz |  |  |  |  |
|  |  | 11 | Select the ‘Add Question’ button | Tester will be redirected to a ‘Create Question’ page |  |  |  |  |
|  |  | 12 | Enter text for the question in the ‘Question Text’ text box | Typed information should appear in the ‘Question Text’ text box |  |  |  |  |
|  |  | 13 | Enter a valid point value in the ‘Point Value’ box | Number selected should appear in the ‘Point Value’ box |  |  |  |  |
|  |  | 14 | Select the ‘Add Answer’ button 4 times | A new answer line for each selection of the button should appear above the ‘Submit’ button featuring a text box for the answer text, a selection for the correct multiple choice answer, and a deletion button for the answer |  |  |  |  |
|  |  | 15 | Enter text into each of the answer text boxes | Text should appear in each of the answer text boxes |  |  |  |  |
|  |  | 16 | Select one of the answers to be the correct answer by clicking the circle next to it | The tester should see 4 answers with one of the four answers having a filled circle next to it |  |  |  |  |
|  |  | 17 | Select the ‘Submit’ button | The tester should be redirected back to the quiz editing page for the newly created quiz |  |  |  |  |
|  |  | 18 | Click inside of the Question type box | A dropdown with different question types should appear |  |  |  |  |
|  |  | 19 | Select ‘Select All (text)’ from the dropdown menu | The dropdown box should now read ‘Select All (text)’ |  |  |  |  |
|  |  | 20 | Select the ‘Add Question’ button | The tester should be redirected to a ‘Create Multiple-Response Multiple Choice Question’ page |  |  |  |  |
|  |  | 21 | Enter question text into the ‘Question Text’ box | Typed question text should appear in the question text box |  |  |  |  |
|  |  | 22 | Enter a valid point value into the ‘Point Value’ box | The chosen point value should appear in the ‘Point Value’ box |  |  |  |  |
|  |  | 23 | Repeat steps 14 and 15 | The tester should see 4 answers with text associated with them |  |  |  |  |
|  |  | 24 | Select the box next to 2 of the 4 answers to be the correct answers | The tester should see 4 answers with 2 of the 4 answers having a filled box next to them |  |  |  |  |
|  |  | 25 | Select the ‘Submit’ button | The tester should be redirected back to the quiz editing page for the newly created quiz |  |  |  |  |
|  |  | 26 | Select ‘Free Response (text)’ from the dropdown menu | The dropdown box should now read ‘Free Response (text)’ |  |  |  |  |
|  |  | 27 | Select the ‘Add Question’ button | The tester should be redirected to a ‘Create Free Response Question’ page |  |  |  |  |
|  |  | 28 | Enter question text into the ‘Question Text’ box | Typed question text should appear in the question text box |  |  |  |  |
|  |  | 29 | Enter a valid point value into the ‘Point Value’ box | The chosen point value should appear in the ‘Point Value’ box |  |  |  |  |
|  |  | 30 | Enter the answer to the question into the ‘Answer’ text box | The typed answer should appear in the ‘Answer’ text box |  |  |  |  |
|  |  | 31 | Select the ‘Submit’ button | The tester should be redirected back to the quiz editing page, now listing all three of the questions previously created |  |  |  |  |

**6.08 Quiz deletion**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 8 | QC | 1 | Perform Test 1 Steps 1-8 | The tester should be logged into the homepage |  | Validation: F1, F2, B2b |  |  |
|  |  | 2 | Select ‘Manage a Quiz’ from the navigation bar | The tester should be redirected to the ‘Manage a Quiz’ page listing quizzes that have been created on the logged in account |  |  |  |  |
|  |  | 3 | Take note of the name of any of the quizzes listed and select the ‘Delete’ button next to it | The quiz should be deleted and no longer be visible in the ‘Manage a Quiz’ page |  |  |  |  |
|  |  | 4 | Hover over the user icon in the navigation bar | A dropdown should appear with options ‘My Grades’, ‘My Quizzes’, ‘Logout’ |  |  |  |  |
|  |  | 5 | Select ‘My Quizzes’ from the dropdown | The tester should be redirected to the ‘My Quizzes’ page that lists quizzes that the logged user has created |  |  |  |  |
|  |  | 6 | Compare the name of the quiz deleted with the quiz names listed here | The tester should find that the quiz deleted is not displayed in the list of ‘My Quizzes’ for the logged user |  |  |  |  |

**6.09 Take a Quiz**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 9 | N/A | 1 | Perform Test 1 steps 1-8 | The tester should be signed into the homepage |  | Validation: F1, F2, B3a, B3b |  |  |
|  |  | 2 | Select ‘Take a Quiz’ from the navigation bar | The tester should be redirected to the ‘Take a Quiz’ page |  |  |  |  |
|  |  | 3 | Select the ‘View Quiz’ button next to one of the available quizzes to take | Tester should be redirected to the Pre-Quiz page of the quiz selected with information about the Quiz listed |  |  |  |  |
|  |  | 4 | Select the ‘Take Quiz’ button | Tester should be redirected to the first question of the quiz |  |  |  |  |
|  |  | 5 | Select an answer and click the ‘Submit’ button | The answer to the question should appear along with a ‘Next question’ button |  |  |  |  |
|  |  | 6 | Select the ‘Next Question’ button | The tester should be redirected to the next question of the quiz |  |  |  |  |
|  |  | 7 | Take note of which questions are correctly answered | The tester should have a list of which questions they’ve correctly answered |  |  |  |  |
|  |  | 8 | Repeat steps 5 and 6 until the last question of the quiz is completed | The answer to the last question of the test should appear along with a ‘View Grade’ button |  |  |  |  |
|  |  | 9 | Select the ‘View Grade’ button | The tester should be redirected to the ‘Quiz Results’ page for the quiz they just completed, with results of points scored, total possible points, and time elapsed in the quiz |  |  |  |  |
|  |  | 10 | Compare the distribution of correctly answered questions with the results displayed on the ‘Quiz Results’ page | The tester should find that the displayed percentage of earned points for their correct answers is accurate in the ‘Quiz Results’ page |  |  |  |  |

**6.10a Database Procedure - add\_quiz**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 10a | DB/SQL | 1 | Open preferred resource for server/database management and connect with valid credentials | The tester’s preferred program for connecting and managing server resources should be open |  | Validation: F1, F2, B4 |  |  |
|  |  | 2 | Run command “mysql -u [username] -p where [username] is a valid username account login for the mysql database | The tester should have a valid username in and be prompted for a corresponding password to the account |  |  |  |  |
|  |  | 3 | Enter the password for the account | The tester should be given access to the mysql database with the valid login credentials |  |  |  |  |
|  |  | 4 | Call procedure ‘[MySQLObject].get\_quiz([author\_id], 20, testQuiz, this is a quiz for testing)’ where [author\_id] is the id of a valid and currently existing user and [MySQLObject] is an existing mySQL object that can call the given procedure | The command should run without hiccup and create a new quiz in the database |  |  |  |  |

**6.10b Database Procedure - list\_visible\_quizzes**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 10b | DB/SQL | 1 | Perform Test 10a steps 1-3 | The tester should be logged into the mysql database with a valid account |  | Validation: F1, F2, B4 |  |  |
|  |  | 2 | Call procedure ‘[MySQLObject].list\_visible\_quizzes(); where [MySQLObject] is an existing mySQL object that can call the given procedure | A list of visible quizzes in the database should be displayed and listed |  |  |  |  |

**6.10c Database Procedure - list\_user\_quizzes**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 10c | DB/SQL | 1 | Perform Test 10a Steps 1-3 | The tester should be logged into the mysql database with a valid account |  | Validation: F1, F2, B4 |  |  |
|  |  | 2 | Call procedure ‘[MySQLObject].list\_user\_quizzes([user\_id]); where [MySQLObject] is an existing mySQL object that can call the given procedure [user\_id] is the id of a valid and currently existing user | A list of quizzes created by the given user in the database should be displayed and listed |  |  |  |  |

**6.10d Database Procedure - add\_performance**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Tester  Role | Step # | Procedure | Expected Results | Actual Results | Requirements Validated | Pass/Fail | Date/Time Performed |
| 10d | DB/SQL | 1 | Perform Test 10a Steps 1-3 | The tester should be logged into the mysql database with a valid account |  | Validation: F1, F2, B4 |  |  |
|  |  | 2 | Call procedure ‘[MySQLObject].add\_performance(20, [quiz\_id], [user\_id], 5); where [MySQLObject] is an existing mySQL object that can call the given procedure, [user\_id] is the id of a valid and currently existing user, and [quiz\_id] is the id of a valid quiz that exists in the database | A new row should be inserted into the performance table containing the passed data, along with the current date |  |  |  |  |