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| **Unit 1** |  | Login Page |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 1.001 | Login page loads | Correct page loads | N/A | Login page loads and is appropriately displayed |   |   |
|   | 1.002 | Correct login: Student | Login with valid Student account and password. | Input Student email address and password | Student Welcome Page opens |   |   |
|   | 1.003 | Correct login: Instructor | Login with valid Instructor account and password. | Input Instructor email address and password | Instructor Welcome Page opens |   |   |
|   | 1.004 | Correct login: Program Administrator | Login with valid Program Administrator account and password | Input Program Administrator email address and password | Program Administrator Welcome Page opens |   |   |
|   | 1.005 | Correct login: System Administrator | Login with valid System Administrator account and password | Input System Administrator email address and password | System Administrator Welcome Page opens |   |   |
|   | 1.006 | Incorrect username login | User attempts to log in with invalid username | Input username | Error message stating that the username is incorrect is displayed |   |   |
|   | 1.007 | Incorrect password login | User attempts to log in with invalid password | Input password | Error message stating that the password is incorrect is displayed |   |   |
|   | 1.008 | New Account link clicked | A Student wishes to register a new account | User clicks "New Account" | Student Account Creation Page loads correctly |   |   |
|   | 1.009 | Forgot Password link clicked | A user wishes to receive their password via email | User clicks "Forgot Password" | Forgot Password Confirmation Page loads correctly |   |   |
|   | 1.010 | Login button clicked | A user wishes to log in | User clicks the "Login" button | If all fields are filled in and contain correct data, the user is logged in |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 2** |  | Forgot Password Pop-up |  |  |  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 2.001 | Forgot Password Page Pop Up | Forgot Password Page Pop Ups | N/A | Forgot Password page pop-ups and is appropriately displayed |   |   |
|   | 2.002 | Pop-up allows student to enter user name | Student must enter username to have password e-mailed | Input Student username | Password is e-mailed to the student |   |   |

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| **Unit 3** |  | Student Home Page |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | *Note: Assume a Student has successfully logged in. A student refers to a Student user, or any user in the Student view.* |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 3.001 | Student Home Page loads | Correct page loads | N/A | Student Home Page loads and is appropriately displayed |  |  |
|   | 3.002 | Home button clicked | A Student wishes to go to the Home Page | Student clicks the "Home" link | Student Home Page is loads and is appropriately displayed |   |   |
|   | 3.003 | Gradebook button clicked | A Student wishes to view the Gradebook | Student clicks the "Gradebook" link | Student Gradebook is correctly reloaded |   |   |
|   | 3.004 | Current course clicked | A Student wishes to view the page of a particular current course | Student clicks a current course | Correct page is loaded for the selected course |   |   |
|   | 3.005 | Completed course clicked | A Student wishes to view the page of a particular completed course | Student clicks a completed course | Correct page is loaded for the selected course |   |   |
|   | 3.006 | Logout button clicked | A Student wishes to log out | Student clicks the logout button | The user is successfully logged out and redirected to the login screen |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 4** |  | System Administrator Home Page |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | *Note: Assume the System Administrator has successfully logged in.*  |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 4.001 | System Administrator Home Page loads | Correct page loads | N/A | Student Home Page loads and is appropriately displayed |  |  |
|   | 4.002 | Home button clicked | The System Administrator wishes to go to the Home Page | System Administrator clicks the "Home" link | System Administrator Home Page is loads and is appropriately displayed |   |   |
|   | 4.003 | Global Pool request button clicked | The System Administrator wishes to view Global Pool requests | System Administrator clicks the "Global Pool" link | Global Pool request page is correctly loaded |   |   |
|   | 4.004 | Change view | The System Administrator wishes to change view | Desired view selected | The System Administrator’s view changes to the selected view |   | Views are selected from a drop-down menu |
|   | 4.005 | Course clicked | The System Administrator wishes to view the page of a particular course | System Administrator clicks a course | Correct page is loaded for the selected course |   |   |
|   | 4.006 | Logout button clicked | The System Administrator wishes to log out | Student clicks the logout button | The user is successfully logged out and redirected to the login screen |   |   |
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|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 5** |  | Program Administrator Home Page |  |  |  |  |
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|  |  | *Note: Assume a Program Administrator has successfully logged in. A Program Administrator refers to a Program Administrator user, or the System Administrator in the Program Administrator view.* |  |  |
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|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 5.001 | Program Administrator Home Page loads | Correct page loads | N/A | Program Administrator Home Page loads and is appropriately displayed |  |  |
|   | 5.002 | Home button clicked | A Program Administrator wishes to go to the Home Page | Program Administrator clicks the "Home" link | Program Administrator Home Page is loads and is appropriately displayed |   |   |
|   | 5.003 | Course Pool request button clicked | A Program Administrator wishes to view the Course Pool requests | Program Administrator clicks the "Course Pool" link | Course Pool request page is loaded correctly |   |   |
|   | 5.004 | Current course clicked | A Program Administrator wishes to view the page of a particular course | Program Administrator clicks a course | Correct page is loaded for the selected course |   |   |
|   | 5.005 | Change view | A Program Administrator wishes to change view | Desired view selected | A Program Administrator’s view changes to the selected view |   | Views are selected from a drop-down menu |
|   | 5.006 | Logout button clicked | A Program Administrator wishes to log out | Program Administrator clicks the logout button | The user is successfully logged out and redirected to the login screen |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 6** |  | Instructor Home Page |  |  |  |  |
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|  |  | *Note: Assume an Instructor has successfully logged in. An Instructor refers to an Instructor user, or any user in the Instructor view.* |  |  |
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|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 6.001 | Instructor Home Page loads | Correct page loads | N/A | Instructor Home Page loads and is appropriately displayed |  |  |
|   | 6.002 | Home button clicked | An Instructor wishes to go to the Home Page | Instructor clicks the "Home" link | Instructor Home Page is loads and is appropriately displayed |   |   |
|   | 6.003 | Gradebook clicked | An Instructor wishes to view the Gradebook | Instructor clicks the "Gradebook" link | Instructor Gradebook is correctly reloaded |   |   |
|   | 6.004 | Current course clicked | An Instructor wishes to view the page of a particular course | Instructor clicks a course | Correct page is loaded for the selected course |   |   |
|   | 6.005 | Change view | An Instructor wishes to change view | Desired view selected | The Instructor’s view changes to the selected view |   | Views are selected from a drop-down menu |
|   | 6.006 | Logout button clicked | An Instructor wishes to log out | Instructor clicks the logout button | The user is successfully logged out and redirected to the login screen |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 7** |  | Student Account Creation |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | *Note: Assume student knows his/her first and last name and email address, and has then clicked on the "Submit" button.* |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 7.001 | Student Account Creation page loads | Correct page loads | N/A | Student Account Creation page loads and is appropriately displayed |   |   |
|   | 7.002 | Enter accepted first name | Student enters first name with no illegal characters | Input first name | No illegal characters, the name is accepted |   |   |
|   | 7.003 | Enter unaccepted first name | Student enters first name with illegal characters | Input first name | Page reloaded with proper error message displayed |   |   |
|   | 7.004 | Enter accepted last name | Student enters last name with no illegal characters | Input last name | No illegal characters, the name is accepted |   |   |
|   | 7.005 | Enter unaccepted last name | Student enters last name with illegal characters | Input last name | Page reloaded with proper error message displayed |   |   |
|   | 7.006 | Enter accepted email address | Student enters a unique and valid email address with legal characters  | Input email address | No illegal characters, the email address is valid. The address is accepted |   |   |
|   | 7.007 | Enter unaccepted email address | Student enters a non-unique email address or one that is invalid or contains illegal characters | Input email address | Page reloaded with proper error message displayed |   |   |
|   | 7.008 | Enter accepted password | Student enters a password of the proper length with no illegal characters | Input password | Password is compared to confirmation password |   |   |
|   | 7.009 | Enter unaccepted password | Student enters a password not of the proper length or containing illegal characters | Input password | Page reloaded with proper error message displayed |   |   |
|   | 7.010 | Confirm password correctly | Student retypes the password correctly | Input password | Confirmation password matches password and is accepted. |   |   |
|   | 7.011 | Confirm password incorrectly | Student retypes the password incorrectly | Input password | Confirmation password does not match the password. Page reloaded with proper error message displayed. |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 8** |  |  |  |  |  |  |  |
|  |  | Student Account Created Pop-up |  |  |  |
|  |  | *Note: A student has just successfully created an account and attempt to log in with it for the first time. Their information is entered and the “Continue” button is clicked.* |  |  |
|  |  |  |  |
|  | Test Case |  |  |  |  |  |  |
| **Pass/Fail** | **Number** |  |  |  |  |  |
|  |  | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 8.001 | Student Account Created Pop-up page loads | Correct page loads | N/A | Student Account Created Pop-up page loads and is appropriately displayed |  |  |
|   | 8.002 | Correct login | Log in with valid ID and password | Student enters ID and password | Student is logged in |   |   |
|  | 8.003 | Incorrect login | Student attempts to log in with an invalid ID or password | Student enters an invalid ID or password | Page reloaded with proper error message displayed |  |  |

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| **Unit 9** |  |  |  |  |  |  |  |
|  |  | Created Account – System Administrator |  |  |  |
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|  | Test Case |  |  |  |  |  |  |
| **Pass/Fail** | **Number** |  |  |  |  |  |
|  |  | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 9.001 | Account Created Pop-up page loads | Correct page loads | N/A | Account Created Pop-up page loads and is appropriately displayed |  |  |
|   | 9.002 | Create another account | The System Administrator wishes to create another account | “Create Another Account” Button clicked | The account create page loads correctly |   |   |
|  | 9.003 | Return to homepage | The System Administrator wishes to return to the homepage | “Return to Homepage” button clicked | The System Administrator homepage loads correctly |  |  |

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| **Unit 10** |  | Create User Account – System Administrator |  |  |  |  |
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|  | Test Case |  |   |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 10.001 | Account Creation page loads | Correct page loads | N/A | Account Creation page loads and is appropriately displayed |   |   |
|   | 10.002 | Enter accepted first name | System Administrator enters first name with no illegal characters | Input first name | No illegal characters, the name is accepted |   |   |
|   | 10.003 | Enter unaccepted first name | System Administrator enters first name with illegal characters | Input first name | Page reloaded with proper error message displayed |   |   |
|   | 10.004 | Enter accepted last name | System Administrator enters last name with no illegal characters | Input last name | No illegal characters, the name is accepted |   |   |
|   | 10.005 | Enter unaccepted last name | System Administrator enters last name with illegal characters | Input last name | Page reloaded with proper error message displayed |   |   |
|   | 10.006 | Enter accepted email address | System Administrator enters a unique and valid email address with legal characters  | Input email address | No illegal characters, the email address is valid. The address is accepted |   |   |
|   | 10.007 | Enter unaccepted email address | System Administrator enters a non-unique email address or one that is invalid or contains illegal characters | Input email address | Page reloaded with proper error message displayed |   |   |
|   | 10.008 | Enter accepted password | System Administrator enters a password of the proper length with no illegal characters | Input password | Password is compared to confirmation password |   |   |
|   | 10.009 | Enter unaccepted password | System Administrator enters a password not of the proper length or containing illegal characters | Input password | Page reloaded with proper error message displayed |   |   |
|   | 10.010 | Confirm password correctly | System Administrator retypes the password correctly | Input password | Confirmation password matches password and is accepted. |   |   |
|   | 10.013 | Confirm password incorrectly | System Administrator retypes the password incorrectly | Input password | Confirmation password does not match the password. Page reloaded with proper error message displayed. |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 11** |  | Question Creation |  |  |  |  |
|  |  | *Note: Assume a user has just clicked the “Submit” button.* |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 11.001 | Question Creation page loads | Correct page loads | N/A | Question Creation page loads and is appropriately displayed |  |  |
|   | 11.002 | Enter acceptable question title | Question title contains no illegal characters | Input a question title | No illegal characters, question title is accepted |   |   |
|   | 11.003 | Enter unacceptable question title | Question title contains illegal characters | Input a question title | Page reloaded with proper error message displayed |   |   |
|   |  11.004 | Enter acceptable question | Question contains no illegal characters | Input a question | No illegal characters, question is accepted |   |   |
|   | 11.005 | Enter unacceptable question | Question contains illegal characters | Input a question | Page reloaded with proper error message displayed |   |   |
|   |  11.006 | Enter acceptable method signature | Method signature contains no illegal characters | Input a method signature | No illegal characters, method signature is accepted |   |   |
|   |   11.007 | Enter unacceptable method signature | Method signature contains illegal characters | Input a method signature | Page reloaded with proper error message displayed |   |   |
|   |   11.008 | Enter acceptable viewable test cases  | Viewable test cases contain no illegal characters and are in the proper format | Input viewable test cases  | No illegal characters and proper format, viewable test cases are accepted |   |   |
|  | 11.009 | Enter unacceptable viewable test cases  | Viewable test cases contain illegal characters or are in an improper format | Input viewable test cases  | Page reloaded with proper error message displayed |  |  |
|  | 11.010 | Enter acceptable hidden test cases  | Hidden test cases contain no illegal characters and are in the proper format | Input hidden test cases  | No illegal characters and proper format, hidden test cases are accepted |  | This field can be left blank |
|  | 11.011 | Enter unacceptable hidden test cases  | Hidden test cases contain illegal characters or are in an improper format | Input hidden test cases  | Page reloaded with proper error message displayed |  | This field can be left blank |
|  | 11.012 | Enter acceptable solution | Solution contains no illegal characters  | Input a solution | No illegal characters, the solution is accepted |  | This field can be left blank |
|   |  11.013 | Enter unacceptable solution | Solution contains illegal characters | Input a solution | Page reloaded with proper error message displayed |   | This field can be left blank |
|  | 11.014 | Enter acceptable hints | Hints contain no illegal characters | Input hints | No illegal characters, the hints are accepted |  | This field can be left blank |
|  | 11.015 | Enter unacceptable hints | Hints contain illegal characters | Input hints | Page reloaded with proper error message displayed |  | This field can be left blank |
|  | 11.016 | Select a category | User selects a category | Click a category | Selected category is assigned to the question |  | The categories are check boxes |
|  | 11.017 | Do not select a category | User neglects to select a category | N/A | Page reloaded with proper error message displayed |  | The categories are check boxes |
|  | 11.018 | Select if recursion is required | User selects “Yes” or “No” | Click an option | If “Yes” the solution will require recursion; if “No” it will not |  | The options are check boxes |
|  |  |  |  |  |  |  |  |
|  | 11.019 | Do not select if recursion is required | User fails to select “Yes” or “No” | N/A | Page reloaded with proper error message displayed |  | The options are check boxes |
|  | 11.020 | Upload a file successfully | User uploads a valid file | User clicks “Browse” and selects a file | File is successfully uploaded |  | Uploading is optional |
|   |  11.021 | Upload a file unsuccessfully | User uploads a file that is invalid |  User clicks “Browse” and selects a file | Page reloaded with proper error message displayed |   | Uploading is optional |
|  | **= Summary of Tests for This Unit** |
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| **Unit 12** |  | Student Question / Question Set Answer Page  |  |  |  |  |
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|  |  | *Note: Assume a user has just finished answering a question and clicked on the "Run & Compile" Button* |  |  |
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|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 12.001 | Solution Submission page loads correctly  | Correct page loads |  N/A |  Solution Submission page loads and is appropriately displayed |  |  |
|   | 12.002 | Save code on submission | Verify test is saved in the database | Code submission | Code submission saved in the database |   |   |
|   | 12.003 | Student enters valid code | Validate text for legal characters | Code submission | No illegal characters |   |   |
|   | 12.004 | Student enters invalid code | Validate text for legal characters | Code Submission | Proper error message displayed |  |   |
|   | 12.005 | Student enters code that compiles | Compile submission using Java 1.6 Compiler | Code submission | No compilation errors |   |   |
|   | 12.006 | Student enters code that does not compile | Compile submission using Java 1.6 Compiler | Code submission | Proper compilation errors displayed |   |   |
|   | 12.007 | Student enters correct code | Run test cases through submission code  | Code submission & Question Test Cases | Correct test case output is returned by code submission, all cases pass |   |   |
|   |  12.008 |  Student enters incorrect code |  Run test cases through submission code |  Code submission & Question Test Cases |  The student is notified as to whether or not specific test cases were passed or not |   |   |
|  | **= Summary of Tests for This Unit** |

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| **Unit 13** |  | Student - Gradebook |  |  |  |  |
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|  |  | *Note:*  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 13.001 | Student Grade book Page Loads Correctly | Correct page loads | N/A | Student Grade book page loads and is appropriately displayed |   |   |
|   | 13.002 | Student’s completed assignments appear as hyper links | Students are able to navigate to completed assignments | Click on completed assignments | Student is naviagated to completed assignment |   |   |
|   | 13.003 | Home button clicked | A Student wishes to go to the Home Page | Student clicks the "Home" link | Student Home Page is loads and is appropriately displayed |   |   |
|   | 13.004 | Logout button is clicked | A Student wishes to logout | Student clicks the logout button | Student is logged out and redirected and to login page |   |   |

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| **Unit 14**  |  | Admin Gradebook |  |  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 14.001 | Admin Grade book Page Loads Correctly | Correct page loads | N/A | Admin Grade book page loads and is appropriately displayed |  |  |
|   | 14.002 | Admin’s assignments appear as hyper links | Admins are able to navigate to assignments | Click on completed assignments | Admin is naviagated to completed assignment |   |  |
|   | 14.003 | Home button clicked | An Admin wishes to go to the Home Page | Admin clicks the "Home" link | Admin Home Page is loads and is appropriately displayed |   |  |
|   | 14.004 | Logout button is clicked | An Admin wishes to logout | Admin clicks the logout button | Adminis logged out and redirected and to login page |   |  |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 15** |  | Instructor - Gradebook |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 15.001 | Instructor Grade book Page Loads Correctly | Correct page loads | N/A | Instructor Grade book page loads and is appropriately displayed |  |  |
|   | 15.002 | Instructor’s assignments appear as hyper links | Instructors are able to navigate to assignments | Click on completed assignments | Instructor is naviagated to completed assignment |   |  |
|   | 15.003 | Home button clicked | A Instructor wishes to go to the Home Page | Instructor clicks the "Home" link | Instructor Home Page is loads and is appropriately displayed |   |  |
|   | 15.004 | Logout button is clicked | A Instructor wishes to logout | Instructor clicks the logout button | Instructor is logged out and redirected and to login page |   |  |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 16** |  | System Administrator Course Management |  |  |  |
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|  |  | *Note: Assume the system administrator knows the proper course title and course number* |  |  |
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|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 16.001 | Course Management page loads | Correct page loads | N/A | Course Management page loads and is appropriately displayed |  |  |
|   | 16.002 | Edit a course | The System Administrator wishes to edit a course | The System Administrator clicks the 'Edit' button next to the appropriate course | The System Administrator is brought to a page where the course can be edited. |   |   |
|   | 16.003 | Remove a course | The System Administrator wishes to remove a course | The System Administrator clicks the 'Remove' button next to the appropriate course | The course is removed |   |   |
|   | 16.004 | New course | The System Administrator wishes to add a new course | The System Administrator click the 'New Course' button | The System Administrator is brought to a page where a new course can be created |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 17** |  | Course Creation Page |  |  |  |  |
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|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 17.001 | Course Creation page | Correct page loads | N/A | Course Creation page loads and is appropriately displayed |  |  |
|   | 17.002 | Course Name selection | Course Name is selected | Course Name is selected from a drop-down menu | Course Name is accepted |   | i.e. Intro to Computer Science |
|   | 17.003 | Course Number selection | Course Number is selected | Course Number is selected from a drop-down menu | Course Number is accepted |   | i.e. CSIS-110 |
|   | 17.004 | Section Number selection | Course Section is selected | Course Section is selected from a drop-down menu | Section Number is accepted |   | i.e. 05 |
|   | 17.005 | Semester selection | Semester (Fall, Spring, or Summer) and the year are selected | Course Semester and year are selected from a drop-down menu | Semester/year are accepted |   |   |
|   | 17.006 | Create button clicked | User wishes to create the course | User clicks the "Create" button | The course is successfully created |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

Unit 18 Instructor – Published Content Pool

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Test Case Name** | **Description** | **Input** | **Expected Result** | **Actual Result/Comments** | **Test Result** |
| **18.001** | Published Content loads | Published Content loads | N/A | Published Question Sets are properly listed |   |   |
| **18.002** | Filter by Date | Filter content by date added | Select Filter by Date | The Published Content list gets filtered by the date they were published |   |   |
| **18.003** | Filter by Date Range | Filter content by the dates in the specified range | Select Filter by Date Range | The Published Content list gets filtered by the dates in the specified date range, beginning with the most recent |   |   |
| **18.004** | Filter by Type | Filter content by type | Select Filter by Type | The Published Content list gets filtered by the types of question sets |   |   |
| **18.005** | Preview a Published Question Set | Preview a Published Question Set | Click Preview | A preview of the published question set is loaded in a pop-up window |   |   |
| **18.006** | Edit a Published Question Set | Edit a published question set | Click Edit | Loads the Editing a Live Question Set page |   |   |
| **18.007** | Unpublish a Question Set | Unpublish a question set | Click Unpublish | The question set gets unpublished and is removed from the published content list |   |   |

Unit 19 Instructor - My Pool

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Test Case Name** | **Description** | **Input** | **Expected Result** | **Actual Result/Comments** | **Test Result** |
| **19.001** | My Pool content loads | My Pool content loads | N/A | My Pool content is loaded with all proper questions and question sets |   |   |
| **19.002** | Choose Questions Tab | Choose Questions Tab | Click on Questions tab | Questions in My Pool are populated and listed |   |   |
| **19.003** | Choose Question Sets Tab | Choose Question Sets Tab | Click on Question Sets tab | Question Sets in My Pool are populated and listed |   |   |
| **19.004** | Filter by Date | Filter content by date added | Select Filter by Date | My Pool Content gets filtered by the date they were published |   |   |
| **19.005** | Filter by Date Range | Filter content by the dates in the specified range | Select Filter by Date Range | My Pool content gets filtered by the dates in the specified date range, beginning with the most recent |   |   |
| **19.006** | Filter by Type | Filter content by type | Select Filter by Type | My Pool Content gets filtered by the types of question sets or questions |   |   |
| **19.007** | Publish content | Publish content | Click the publish button | Publishes the designated question or question set |   |   |
| **19.008** | Preview content | Preview content | Click the preview button | Displays a preview of the designated question or question set in a pop-up window |   |   |
| **19.009** | Delete content | Delete content | Click the delete button | Removes the designated question or question set from the content list |   |   |
| **19.010** | Global Pool Request | Global Pool Request | Click the Global Request button | A request is sent to the System Admin asking permission to move the designated question or question set to the Global Pool |   |   |
| **19.011** | Course Pool Request | Course Pool Request | Click the Course Request button | A request is sent to the System Admin asking permission to move the designated question or question set to the Course Pool |   |   |

Unit 20 Instructor - Course Pool

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| --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Test Case Name** | **Description** | **Input** | **Expected Result** | **Actual Result/Comments** | **Test Result** |
| **20.001** | Course Pool content loads | Course Pool content loads | N/A | Course Pool content is loaded with all proper questions and question sets |   |   |
| **20.002** | Global Pool tab | Choose Global Pool tab | Click on Global Pool tab | Questions/Sets in Global Pool are populated and listed |   |   |
| **20.003** | My Pool tab | Choose My Pool tab | Click on My Pool tab | Question/Sets in My Pool are populated and listed |   |   |
| **20.004** | Published Pool tab | Choose Published Pool tab | Click on Published Pool tab | Questions/Sets in Published Pool are populated and listed |   |   |
| **20.005** | Edit | Instructor wishes to edit a question/set | Click “Edit” | Redirected to a page to edit the question/set |   |   |
| **20.006** | Remove | Instructor wished to remove a question/set | Click “Remove” | The appropriate item is removed from the pool |   |   |
| **20.007** | Preview content | Preview content | Click the question/set title | Displays a preview of the designated question or question set in a pop-up window |   |   |
| **20.008** | Add to My Pool | Add to My Pool | Click Add to My Pool button | Adds the selected question or question set to My Pool |   |   |

Unit 21 Instructor - Global Pool

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Test Case Name** | **Description** | **Input** | **Expected Result** | **Actual Result/Comments** | **Test Result** |
| **21.001** | Global Pool content loads | Global Pool content loads | N/A | Global Pool content is loaded with all proper questions and question sets |   |   |
| **21.002** | Course Pool tab | Choose Course Pool tab | Click on Course Pool tab | Questions/Sets in Course Pool are populated and listed |   |   |
| **21.003** | My Pool tab | Choose My Pool tab | Click on My Pool tab | Question/Sets in My Pool are populated and listed |   |   |
| **21.004** | Published Pool tab | Choose Published Pool tab | Click on Published Pool tab | Questions/Sets in Published Pool are populated and listed |   |   |
| **21.005** | Preview content | Preview content | Click the question/set title | Displays a preview of the designated question or question set in a pop-up window |   |   |
| **21.006** | Add to My Pool | Add to My Pool | Click Add to My Pool button | Adds the selected question or question set to My Pool |   |   |

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| **Unit 22** |  | Question Set Creation |  |  |  |  |
|  |  | *Note: “Create” button is clicked* |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 22.001 | Question Set Creation page loads | Correct page loads | N/A | Question Set Creation page loads and is appropriately displayed |   |   |
|   | 22.002 | Enter acceptable title | Name entered with no illegal characters. | Input title | No illegal characters, the name is accepted |   |   |
|   | 22.003 | Enter unaccepted name | Name entered with illegal characters | Input title | Page reloaded with proper error message displayed |   |   |
|  | 22.004 | Select a category | User selects a category | Desired category is clicked | The appropriate category is applied to the set |  | The categories are contained in a drop-down menu |
|   | 22.004 | Select a type | User selects a type | Desired type is clicked | The appropriate type is applied to the set |   |  The types are contained in a drop-down menu |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 23** |  | Adding Question to Question Set |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 23.001 | Question Set (Adding Questions) page loads | Correct page loads | N/A | Login page loads and is appropriately displayed |   |   |
|  | 23.002 | Question set(s) selected | User selects one or more question sets to add a question to | Question set clicked | The correct question is added to the appropriate set |  | Question sets are check-boxes |
|  | 23.003 | Question set(s) not selected | User neglects to select a question set | N/A | Page reloaded with proper error message displayed |  | Question sets are check-boxes |
|  | 23.004 | Pool selection | User chooses which pool to draw questions from | Pool clicked | Question area is populated with the appropriate questions |  | Pool are in a drop-down menu |
|  | 23.005 | Question(s) selected | User selects one or more questions | Question clicked | The correct question is added to the appropriate set |  | Questions are check-boxes |
|  | 23.007 | Question(s) not selected | User neglects to select a question | N/A | Page reloaded with proper error message displayed |  |  |
|  | 23.008 | Preview | User wished to preview a question | Appropriate preview button clicked | Question preview appearsIn a pop-up |  |  |
|  | 23.009 | Create question | User wishes to create a new question | “Add New Question” button is clicked | User is redirected to the appropriate Question Creation page |  |  |
|   | 23.010 | Add question | User adds a question to the set | A question is selected and the “Add Questions to Set” button is clicked | Question is added to the Question Set successfully |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 24** |  |  |  |  |  |  |  |
|  |  | Submitted Created Question Pop-up |  |  |  |
|  |  | *Assume: A user has just created a question.* |  |  |
|  |  |  |  |
|  | Test Case |  |  |  |  |  |  |
| **Pass/Fail** | **Number** |  |  |  |  |  |
|  |  | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 24.001 | Submitted Created Question Pop-up page loads | Correct page loads | N/A | Submitted Created Question Pop-up page loads and is appropriately displayed |  |  |
|   | 24.002 | Create another question | User wishes to create another question | Click “Create Another Question” button | The Question Create screen loads correctly |   |   |
|  | 24.003 | Return to homepage | User wishes to return to their homepage | Click “Return to Homepage” button | The proper homepage loads correctly |  |  |

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| **Unit 25** |  | Question Set Publication |  |  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 25.001 | Question Set Publication page loads | Correct page loads | N/A | Question Set Creation page loads and is appropriately displayed |   |   |
|   | 25.002 | Enter accepted time available | User enters time available in the proper format with no illegal characters. | Input time available | Time available is accepted |   | AM/PM is selected from a drop-down |
|   | 25.003 | Enter unaccepted time available | User enters time available in an improper format or with illegal characters | Input time available | Page reloaded with proper error message displayed |   | AM/PM is selected from a drop-down |
|   | 25.004 | Enter accepted date available | User enters date available in the proper format with no illegal characters | Input date available | Date available is accepted |   |   |
|   | 25.005 | Enter unaccepted date available | User enters date available in an improper format or with illegal characters | Input date available | Page reloaded with proper error message displayed |   |   |
|   | 25.006 | Enter accepted time due | User enters time due in the proper format with no illegal characters | Input time due | Time due is accepted |   | AM/PM is selected from a drop-down |
|   | 25.007 | Enter unaccepted time due | User enters time due in an improper format or with illegal characters | Input time due | Page reloaded with proper error message displayed |   | AM/PM is selected from a drop-down |
|   | 25.008 | Enter accepted date due | User enters date due in the proper format with no illegal characters | Input date due | Date due is accepted |   |   |
|   | 25.009 | Enter unaccepted date due | User enters date due in an improper format or with illegal characters | Input date due | Page reloaded with proper error message displayed |   |   |
|   | 25.010 | Enter accepted time limit | User enters time limit with no illegal characters | Input time limit | Time limit is accepted |   | Time limit is in minutes |
|   | 25.011 | Enter unaccepted time limit | User enters time limit with illegal characters | Input time limit | Page reloaded with proper error message displayed |   | Time limit is in minutes |
|   | 25.012 | Enter accepted number of attempts | User enters the number of attempts with no illegal characters | Input number of attempts | Number of attempts is accepted |   |   |
|   | 25.013 | Enter unaccepted number of attempts | User enters the number of attempts with illegal characters | Input number of attempts | Page reloaded with proper error message displayed |   |   |
|   | 25.014 | Allow Late Submissions | This option is selected if the user wishes to allow late submissions | The corresponding check-box is clicked | If checked, Students are allowed to submit questions beyond the due date. |   | Late submissions will be marked as such |
|   | 25.015 | Viewable After Due Date | This option is selected if the user wishes for the question set to be viewable after it is due | The corresponding check-box is clicked | If checked, Students are allowed to view the question set after the due date and time |   | Late submissions are not allowed unless previously specified |
|   | 25.016 | Links Allowed | This option is selected if the user wished to allow the Students to access links for the questions in the question set | The corresponding check-box is clicked | If checked, Students have access to any links that have been provided at the time of question creation |   | Links may not be provided |
|   | 25.017 | Publish Set button clicked | User wishes to publish the question set | The "Publish Set" button is clicked | The question set is made available to Students in the section that the user is currently working under |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 26** |  | Editing Live Question |  |  |  |  |
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|  |  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 26.001 | Editing Live Question page loads | Correct page loads | N/A | Editing Live Question page loads and is appropriately displayed |  |  |
|   | 26.002 | Enter acceptable question title | Question title contains no illegal characters | Input a question title | No illegal characters, question title is accepted and applied  |   |   |
|   | 26.003 | Enter unacceptable question title | Question title contains illegal characters | Input a question title | Page reloaded with proper error message displayed |   |   |
|   | 26.004 | Enter acceptable question | Question contains no illegal characters | Input a question | No illegal characters, question is accepted and applied |   |   |
|   | 26.005 | Enter unacceptable question | Question contains illegal characters | Input a question | Page reloaded with proper error message displayed |   |   |
|   | 26.006 | Enter acceptable method signature | Method signature contains no illegal characters | Input a method signature | No illegal characters, method signature is accepted and applied |   |   |
|   |  26.007 | Enter unacceptable method signature | Method signature contains illegal characters | Input a method signature | Page reloaded with proper error message displayed |   |   |
|   |   26.008 | Enter acceptable viewable test cases  | Viewable test cases contain no illegal characters and are in the proper format | Input viewable test cases  | No illegal characters and proper format, viewable test cases are accepted and applied |   |   |
|  | 26.009 | Enter unacceptable viewable test cases  | Viewable test cases contain illegal characters or are in an improper format | Input viewable test cases  | Page reloaded with proper error message displayed |  |  |
|  | 26.010 | Enter acceptable hidden test cases  | Hidden test cases contain no illegal characters and are in the proper format | Input hidden test cases  | No illegal characters and proper format, hidden test cases are accepted and applied |  | This field can be left blank |
|  | 26.011 | Enter unacceptable hidden test cases  | Hidden test cases contain illegal characters or are in an improper format | Input hidden test cases  | Page reloaded with proper error message displayed |  | This field can be left blank |
|  | 26.012 | Enter acceptable solution | Solution contains no illegal characters  | Input a solution | No illegal characters, the solution is accepted and applied |  | This field can be left blank |
|   |  26.013 | Enter unacceptable solution | Solution contains illegal characters | Input a solution | Page reloaded with proper error message displayed |   | This field can be left blank |
|  | 26.014 | Enter acceptable hints | Hints contain no illegal characters | Input hints | No illegal characters, the hints are accepted and applied |  | This field can be left blank |
|  | 26.015 | Enter unacceptable hints | Hints contain illegal characters | Input hints | Page reloaded with proper error message displayed |  | This field can be left blank |
|  | 26.016 | Select a category | User selects a category | Click a category | Selected category is assigned to the question and applied |  | The categories are check boxes |
|  | 26.017 | Do not select a category | User neglects to select a category | N/A | Page reloaded with proper error message displayed |  | The categories are check boxes |
|  | 26.018 | Select if recursion is required | User selects “Yes” or “No” | Click an option | If “Yes” the solution will require recursion; if “No” it will not. The change is then applied to the live set. |  | The options are check boxes |
|  | 26.019 | Do not select if recursion is required | User fails to select “Yes” or “No” | N/A | Page reloaded with proper error message displayed |  | The options are check boxes |
|  | 26.020 | Upload a file successfully | User uploads a valid file | User clicks “Browse” and selects a file | File is successfully uploaded |  | Uploading is optional |
|   |  26.021 | Upload a file unsuccessfully | User uploads a file that is invalid |  User clicks “Browse” and selects a file | Page reloaded with proper error message displayed |   | Uploading is optional |
|  | **= Summary of Tests for This Unit** |
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Unit 27 Editing Live Question Set

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| --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Test Case Name** | **Description** | **Input** | **Expected Result** | **Actual Result/Comments** | **Test Result** |
| **27.001** | Editing Live Question Set page loads | Editing Live Question Set page loads | N/A | Editing Live Question Set page loads with all content displayed |   |   |
| **27.002** | Preview a Question | Preview a Question | Click on the Preview button | A preview of the question is displayed in a pop-up window |   |   |
| **27.003** | Edit a Question | Edit a Question | Click on the Edit button | Directs you to the Question Creation page with all fields filled with the correct question information |   |   |
| **27.004** | Change of Point Value | Correctly change the point value of a question | Type into the point change field | The new point value gets entered into the field |   |   |
| **27.005** | Change Due Date | Change the Due Date of a question | Type into the Edit Due Date field | The new date gets entered into the field |   |   |
| **27.006** | Change Time Limit | Change the Time Limit of a question | Type into the Edit Time Limit field | The new time limit for the question gets entered into the field |   |   |
| **27.007** | Correct Update | Correct Update | Click the Update button | All new dates, point values and times entered into the fields get submitted. |   |   |
| **27.008** | Incorrect Update | Incorrect Update | Click the Update button | Information in the fields are not properly entered and the update fails, not submitting the new data |   |   |
| **27.009** | Save Offline | Save Offline | Click the Save Offline button | Saves a copy of the live question set with the new changes that is not live |   |   |

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| **Unit 28** |  | Account Management - Student |  |  |  |  |
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|  |  | *Assume: A Student wishes to change their password, and clicks the save button.* |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 28.001 | Account Management Page loads | Correct page loads | N/A | Account Management Page loads and is appropriately displayed |   |   |
|   | 28.002 | Valid Old Password | The user must input their current password correctly | Input old password | Old password is correct and accepted |   |  |
|   | 28.003 | Invalid Old Password | The user inputs their current password incorrectly | Input old password | Old password is incorrect, the page is reloaded and appropriate error messages are displayed |   |  |
|   | 28.004 | Valid New Password  | The user inputs a valid new password | Input new password | New password is valid and accepted |   |   |
|   | 28.005 | Invalid New Password | The user inputs an invalid new password | Input new password | New password is invalid, the page is reloaded and appropriate error messages are displayed |   |   |
|   | 28.006 | Valid Password Conformation  | The user inputs the new password again correctly | Re-enter new password | The passwords match and accepted |   |   |
|   | 28.007 | Invalid Password Confirmation  | The user fails to input the new password in correctly | Re-enter new password | The passwords do not match, the page is reloaded and appropriate error messages are displayed |   |   |
|   | 28.008 | Cancel | The user cancels the action | “Cancel and Return to Homepage” button is clicked | The proper homepage is loaded correctly |   |   |

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| **Unit 29** |  | Account Management - Instructor |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | *Assume: An Instructor wishes to change their password, and clicks the save button.* |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 29.001 | Account Management Page loads | Correct page loads | N/A | Account Management Page loads and is appropriately displayed |   |   |
|   | 29.002 | Valid Old Password | The user must input their current password correctly | Input old password | Old password is correct and accepted |   |  |
|   | 29.003 | Invalid Old Password | The user inputs their current password incorrectly | Input old password | Old password is incorrect, the page is reloaded and appropriate error messages are displayed |   |  |
|   | 29.004 | Valid New Password  | The user inputs a valid new password | Input new password | New password is valid and accepted |   |   |
|   | 29.005 | Invalid New Password | The user inputs an invalid new password | Input new password | New password is invalid, the page is reloaded and appropriate error messages are displayed |   |   |
|   | 29.006 | Valid Password Conformation  | The user inputs the new password again correctly | Re-enter new password | The passwords match and accepted |   |   |
|   | 29.007 | Invalid Password Confirmation  | The user fails to input the new password in correctly | Re-enter new password | The passwords do not match, the page is reloaded and appropriate error messages are displayed |   |   |
|   | 29.008 | Cancel | The user cancels the action | “Cancel and Return to Homepage” button is clicked | The proper homepage is loaded correctly |   |   |

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| **Unit 30** |  | Account Management – Program Administrator |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | *Assume: A Program Administrator wishes to change their password, and clicks the save button.* |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 30.001 | Account Management Page loads | Correct page loads | N/A | Account Management Page loads and is appropriately displayed |   |   |
|   | 30.002 | Valid Old Password | The user must input their current password correctly | Input old password | Old password is correct and accepted |   |  |
|   | 30.003 | Invalid Old Password | The user inputs their current password incorrectly | Input old password | Old password is incorrect, the page is reloaded and appropriate error messages are displayed |   |  |
|   | 30.004 | Valid New Password  | The user inputs a valid new password | Input new password | New password is valid and accepted |   |   |
|   | 30.005 | Invalid New Password | The user inputs an invalid new password | Input new password | New password is invalid, the page is reloaded and appropriate error messages are displayed |   |   |
|   | 30.006 | Valid Password Conformation  | The user inputs the new password again correctly | Re-enter new password | The passwords match and accepted |   |   |
|   | 30.007 | Invalid Password Confirmation  | The user fails to input the new password in correctly | Re-enter new password | The passwords do not match, the page is reloaded and appropriate error messages are displayed |   |   |
|   | 30.008 | Cancel | The user cancels the action | “Cancel and Return to Homepage” button is clicked | The proper homepage is loaded correctly |   |   |

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| **Unit 31** |  | Account Management – System Administrator |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | *Assume: A System Administrator wishes to change another user’s password, and clicks the save button.* |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 31.001 | Account Management Page loads | Correct page loads | N/A | Account Management Page loads and is appropriately displayed |   |   |
|   | 31.002 | Valid New Password  | The user inputs a valid new password | Input new password | New password is valid and accepted |   |   |
|   | 31.003 | Invalid New Password | The user inputs an invalid new password | Input new password | New password is invalid, the page is reloaded and appropriate error messages are displayed |   |   |
|   | 31.004 | Valid Password Conformation  | The user inputs the new password again correctly | Re-enter new password | The passwords match and accepted |   |   |
|   | 31.005 | Invalid Password Confirmation  | The user fails to input the new password in correctly | Re-enter new password | The passwords do not match, the page is reloaded and appropriate error messages are displayed |   |   |
|   | 31.006 | Select User | The System Administrator selects a user to make changes to | Username is selected | The changes affect the selected user |   |  Users are selected from a drop-down menu |
|   | 31.007 | Delete | The System Administrator wishes to delete the selected user | “Delete Selected User” button is clicked | The user is removed from the system, however, records are preserved |   |   |
|   | 31.008 | Cancel | The user cancels the action | “Cancel and Return to Homepage” button is clicked | The proper homepage is loaded correctly |   |   |

Unit 32 Course Home Page - Student

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| --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Test Case Name** | **Description** | **Input** | **Expected Result** | **Actual Result Comments** | **Test Result** |
| **32.001** | Correct Home Screen loads | Correct Home Screen loads | N/A | Home Screen loads, all components are displayed including the Instructor color |   |   |
| **32.002** | Incorrect Home Screen loads | Incorrect Home Screen loads | N/A | Home Screen loads, too little or too many components are displayed or the color is wrong |   |   |
| **32.003** | Posts work correctly | Posts work correctly | Click on a Post | The chosen Post is viewed or downloaded |   |   |
| **32.004** | Posts work incorrectly | Posts work incorrectly | Click on a Post | The chosen Post is not displayed or can not be downloaded |   |   |
| **32.005** | Clicks a course link | Clicks a course link | Click on a course link | The course home screen opens |   |   |
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| **Units 33** |  | Instructor and Admin Course Home Page |  |  |  |  |
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|  |  | *Note: Assume a user has successfully logged in.*  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 33.001 | Course Home Page loads | Correct page loads | N/A | Course Home Page loads and is appropriately displayed |  |  |
|   | 33.002 | Home button clicked | A User wishes to go to the Home Page | User clicks the "Home" link | User Home Page is loads and is appropriately displayed |   |   |
|   | 33.003 | Gradebook button clicked | A User wishes to view the Gradebook | User clicks the "Gradebok" link | User Gradebook is correctly reloaded |   |   |
|   | 33.004 | Assignment button is clicked  | A User wishes to view the page of a particular current course | User clicks a current course | Correct page is loaded for the given course |   |   |
|   | 33.005 | Logout button is clicked | A User wishes to logout | User clicks the logout button | User is logged out and redirected and to login page |   |   |

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| **Unit 34** |  | Pool Management – Program Admin |  |  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 34.001 | Program Administrator page loads correctly | Correct page loads | N/A | Program Administrator Pool Management page loads and is appropriately displayed |   |   |
|   | 34.002 | Global Pool tab is clicked | The user wishes to view questions/question sets in the global pool | Click Global Pool tab | The user views questions/ question sets in the global pool |   |   |
|   | 34.003 | Course Pool tab is clicked | The user wishes to view questions/question sets in the course pool | Click Course Pool tab | The user views questions/ question sets in the global pool |   |   |
|   | 34.004 | Edit button | User wishes to edit a question/question set | Edit button clicked | The user is taken to the appropriate edit page |   |   |
|   | 34.005 | Remove button | User wishes to remove a question/question set | Remove button clicked | The appropriate question/question set is removed from the correct pool |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 35** |  | System Administrator Pool Management |  |  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 35.001 | System Administrator Pool Management page loads | Correct page loads | N/A | System Administrator Pool Management page loads and is appropriately displayed |  |  |
|   | 35.002 | Global Pool tab is clicked | The user wishes to view questions/question sets in the global pool | Click Global Pool tab | The user views questions/ question sets in the global pool |   |   |
|   | 35.003 | Edit button | User wishes to edit a question/question set | Edit button clicked | The user is taken to the appropriate edit page |   |   |
|   | 35.004 | Remove button | User wishes to remove a question/question set | Remove button clicked | The appropriate question/question set is removed from the correct pool |   |   |
|  | **= Summary of Tests for This Unit** |  |  |  |  |

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| **Unit 36** |  | Student Question Compile and Run |  |  |  |  |
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|  |  | *Note: Assume a user has just finished answering a question and clicked on the "Run & Compile" Button* |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 36.001 | Solution Submission page loads correctly  | Correct page loads |  N/A |  Solution Submission page loads and is appropriately displayed |  |  |
|   | 36.002 | Save code on submission | Verify test is saved in the database | Code submission | Code submission saved in the database |   |   |
|   | 36.003 | Student enters valid code | Validate text for legal characters | Code submission | No illegal characters |   |   |
|   | 36.004 | Student enters invalid code | Validate text for legal characters | Code Submission | Proper error message displayed |  |   |
|   | 36.005 | Student enters code that compiles | Compile submission using Java 1.6 Compiler | Code submission | No compilation errors |   |   |
|   | 36.006 | Student enters code that does not compile | Compile submission using Java 1.6 Compiler | Code submission | Proper compilation errors displayed |   |   |
|   | 36.007 | Student enters correct code | Run test cases through submission code  | Code submission & Question Test Cases | Correct test case output is returned by code submission, all cases pass |   |   |
|   |  36.008 |  Student enters incorrect code |  Run test cases through submission code |  Code submission & Question Test Cases |  The student is notified as to whether or not specific test cases were passed or not |   |   |
|  | **= Summary of Tests for This Unit** |

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| **Unit 37** |  |  |  |  |  |  |  |
|  |  | Student Save Question Pop-up |  |  |  |
|  |  | *Assume: A student has just saved a question.* |  |  |
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|  | Test Case |  |  |  |  |  |  |
| **Pass/Fail** | **Number** |  |  |  |  |  |
|  |  | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 37.001 | Student Save Question Pop-up page loads | Correct page loads | N/A | Student Save Question Pop-up page loads and is appropriately displayed |  |  |
|   | 37.002 | Go back to question | User wishes to return to the question that was just saved | Click “Go Back to Question” button | The Question Answer screen loads correctly |   |   |
|  | 37.003 | Return to homepage | User wishes to return to their homepage | Click “Return to Homepage” button | The proper homepage loads correctly |  |  |

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| **Unit 38** |  |  |  |  |  |  |  |
|  |  | Created Course Pop-up |  |  |  |
|  |  | *Assume: The System Administrator has just created a course.* |  |  |
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|  | Test Case |  |  |  |  |  |  |
| **Pass/Fail** | **Number** |  |  |  |  |  |
|  |  | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 38.001 | Created Course Pop-up page loads | Correct page loads | N/A | Created Course Pop-up page loads and is appropriately displayed |  |  |
|   | 38.002 | Create another course | System Administrator wishes to create another course | Click “Create Another Course” button | The Course Creation screen loads correctly |   |   |
|  | 38.003 | Return to homepage | User wishes to return to their homepage | Click “Return to Homepage” button | The proper homepage loads correctly |  |  |

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| **Unit 39** |  | Approval for Global Pool Request |  |  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|   | 39.001 | Approval Page loads | Correct page loads | N/A | Approval Page loads and is appropriately displayed |   |   |
|   | 39.002 | Clicks to Approve Requests | A Admin wishes to go to the View Request | Admin clicks “Global Pool Requests” | Requests are loaded and is appropriately displayed |   |  |
|   | 39.003 | Approval Button is clicked | Admin wishes to approve the question | Admin clicks the "Approve" button | Question is approved and moved in global pool |   |  |
|   | 39.004 | Deny button is clicked  | Admin wishes to deny a question | Admin clicks the “Deny” button | Question is not put into pool and instructor is sent notice |   |   |
|   | 39.005 | Logout button is clicked | An Admin wishes to logout | Admin clicks the logout button | Admin is logged out and redirected and to login page |   |   |

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| **Unit 40** |  | Approval for Course Pool Requests |  |  |  |  |
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|  | Test Case |  |  |  |  |  |
| **Pass/Fail** | **Number** | **Step** | **Description** | **Action Needed** | **Expected Result** | **Observed Result** | **Comments** |
|  | 40.001 | Approval Page loads | Correct page loads | N/A | Approval Page loads and is appropriately displayed |  |  |
|   | 40.002 | Clicks to Approve Requests | A Admin wishes to go to the View Request | Admin clicks “Pool Requests” | Requests are loaded and is appropriately displayed |   |   |
|   | 40.003 | Approval Button is clicked | Admin wishes to approve the question | Admin clicks the "Approve" button | Question is approved and moved in course pool |   |   |
|   | 40.004 | Deny button is clicked  | Admin wishes to deny a question | Admin clicks the “Deny” button | Question is not put into pool and instructor is sent notice |   |   |
|   | 40.005 | Logout button is clicked | An Admin wishes to logout | Admin clicks the logout button | Admin is logged out and redirected and to login page |   |   |