High Level QA Test Scenarios

Version 1.0 Rev 1

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 7/22/2015 | 1.0 | Initial Draft | Mohan Venkataramana |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table of Contents

[1. Overview 1](#_Toc425373716)

[2. Global Classroom System Components 1](#_Toc425373717)

[3. Test Scenarios 2](#_Toc425373718)

[3.1 END-TO-END Service Testing 2](#_Toc425373719)

[**3.1.1** **CCE-A-1 Register and Login as a non-Administrative User** 2](#_Toc425373720)

[**3.1.2** **CCE-A-2 Purchase a New Subscription Library** 4](#_Toc425373721)

[**3.1.3** **CCE-A-3 Browse the list of Courses in a Purchased Library** 5](#_Toc425373722)

[**3.1.4** **CCE-A-4 Browse the list of Courses in a Free Library** 6](#_Toc425373723)

[**3.1.5** **CCE-A-5 Enroll in a Free Course from a list of Courses in a Subscription.** 7](#_Toc425373724)

[**3.1.6** **CCE-A-6 Browse the list of Courses in a Individual Catalog from Courses menu** 8](#_Toc425373725)

[**3.1.7** **CCE-A-7 Select and Enroll in a free course from the list of Courses in a Individual Catalog from Courses menu** 9](#_Toc425373726)

[**3.1.8** **CCE-A-8 Select and Enroll in a non-free course from the list of Courses in a Individual Catalog from Courses menu** 10](#_Toc425373727)

[**3.1.9** **CCE-A-9 Browse the list of Certifications from the Courses Menu** 11](#_Toc425373728)

[**3.1.10** **CCE-A-10 Select and Enroll in a free Certification from the list of Certifications in the Certifications menu** 12](#_Toc425373729)

**3.1.11 CCE-A-11 Select and Enroll in a non-free certifications from the list of certifications in theCertificationsmenu13**

[**3.1.12 CCE-A-11 The list of Free and Paid-up Subscriptions displayed in the Subscription part of the Dashboard. 1**](#_Toc425373730)**4**

[**3.1.13 CCE-A-12 The list of Enrolled (both Free and Paid-up) Courses displayed in the My Courses part of the Dashboard. 1**](#_Toc425373731)**5**

# Overview

The Customer Course Enrollment Process is described in this document.

Global Classroom is a composite system to offer a comprehensive learning and training management system for large and medium business clients. The system consists multiple Mahara and Moodle instances coupled with a management system that administers and manages the access to the customer. Users (who are typically employees of the client organizations) register themselves for the courses that are offered in software platforms which are designed to coordinate the activities of the users and enable them to enroll in the various courses made available to them.

The purpose of this document is to provide a high level framework for QA testing and validation of the system, to define the overall goals associated with the QA effort and to provide the basis for developing detailed test plans during the QA.

# Global Classroom System Components

For the purposes of QA, the Global Classroom software system is divided into the following components; Our testing should verify and touch all these   
 systems.

# Test Scenarios

The following test scenarios should be considered in the QA Process. These are high level scenarios and can be broken down into multiple individual steps in each case.

## END-TO-END Service Testing

### **CCE-A-1Register and Login as a non-Administrative User**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-1 | Login as a non-administrative user | 1. Use a browser to go to the following URL.  2. A user can create an account using the “Register” link.  3. Using the Login button, login with the valid userid-password combination results in the successful login.  4. Click Measure the total time taken for the test in step 1 to 3 (from the time login button is clicked to the time it takes the system to complete the rendering of the resulting page. | 1A. Verify that the access through non-secure (http://) interface is blocked.  1B. Verify that the url can be reached correctly using only the secure interface (https://).  2A. Using the Register link, create a new user on the platform. Continue the approval process using the email received, and select a password for the account.  3A. Using the “forgot password” link, change the password to a new one.  3B. Verify that incorrect userid-password combination does not allow the user to login.  3C. Verify that correct userid-password combination allows the user to login.  3D. Verify that the screen displays the correct user’s login status.  4A. Verify that the total time for the login step (clicking the Login button to complete resulting page rendering) is within the acceptable performance limits. | Use an incorrect userid-password combination to show that the system rejects the login attempt. |  |  |

### **CCE-A-2Purchase a New Subscription Library**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-2 | The user can view the subscription page, view the list of available subscriptions and complete the purchase of the subscription through pay-pal. | 1. User using the subscription button to view the available subscriptions.  2. Measure the total time taken for the test in step 1. | 1A. Verify that the user is properly logged into the system.  1B.Subscriptions Menu Should be displayed if there are libraries available for subscription.  1C. The available libraries with a count of courses should be displayed after “My Membership” like “<$Price>Libraries” on click of Subscriptions (e.g. “$ 10 Libraries”, “$ 20 Libraries” etc.).  1D. The libraries available for paid subscriptions should be grouped alphabetically and ordered by cost and shown as separate sections after “My Membership” section.  1E.Details for a particular library should be displayed when a Library is clicked in the available <$Price>Libraries. This listing should include “View Details” and “Subscribe” button in the heading section. (The user can also use “View Details” button to view the details of course catalogs and courses)  1F. When the user clicks on “Subscribe” it should be redirected to Payment page.  1G. Once the user enters the valid credit card details, a message box with “processing transaction” should appear.  1H. If the payment is processed, the confirmation email should be sent to the user email address and a message box should indicate the same information to the user with an OK button.  1I. Verify that, if the user clicks on the “OK” button, the page redirected to “Subscriptions” page and also verify that the purchased library is listed out under “My Membership” section.  2A. Verify that the total time for fast CCE at the tablet (from the time tablet fast CCE is clicked to the time the user receives success message) is within acceptable performance limits. | Use invalid card or PayPal details to see if the system rejects the transaction. | CCE-A-1  CCE-A-12 |  |

### **CCE-A-3 Browse the list of Courses in a Purchased Library**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-3 | The user can select the recently purchased subscription, navigate to the desired catalog and then on to the course. (The user has already purchased the subscription). | 1. Click on Subscriptions Menu and check if the subscribed library is listed out.  2. A user can browse the list of courses by clicking the Course Catalog.  3. Measure the total time taken for the test in step 1 to 2. | 1A. Verify that the user is properly logged into the system.  1B.Subscriptions Menu Should be displayed if there are libraries available for subscription.  1C. Paid & Free subscriptions should be displayed under “My Membership” on click of Subscriptions.  1D. Verify that if a Paid library is clicked in the “My Membership” section, SUBSCRIBE button should not be listed in the Details and it must be replaced by a CHECKBOX with a Tick Mark.  2A. Verify that if a user clicks on a library, the list of course catalogs are displayed under the “Details” section. (The user can also use “View Details” button to view the details of course catalogs and courses)  2B. Verify that, if a user clicks on a Course catalog, the lists of courses are displayed with a “Learn More/Enroll” or “Learn More/Go To Course” button on click of all courses.  2C.The user can search for a particular course by entering the keyword in the “SEARCH” option available in the Details section.  3A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | If the user has not purchased the subscription or if the attempt to purchase the subscription has been unsuccessful, then the user should not see the “Enroll in Course” option while clicking the “Learn More/Enroll” at the course level. In this case, the “Subscribe” button will continue to be visible next to the subscription display (“Details” section) | CCE-A-1 |  |

### **CCE-A-4 Browse the list of Courses in a Non-Paid Library**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-4 | The user can select a Non-Paid library, navigate to the desired catalog and then on to the course. | 1. Click on Subscriptions Menu and check if the subscribed library is listed out.  2. A user can browse the list of courses by clicking the Course Catalog.  3. Measure the total time taken for the test in step 1 to 2. | 1A. Verify that the user is properly logged into the system.  1B.Subscriptions Menu Should be displayed if there are libraries available for subscription.  1C. The available subscriptions should be displayed under “<$ Price >Libraries” on click of Subscriptions (e.g. “$ 10 Libraries”, “$ 20 Libraries” etc.).  1D. The libraries should be grouped and ordered by cost after “My Membership”.  1E.Verify that if a non-paid library is clicked in the “<$ Price > Libraries” section, a SUBSCRIBE and VIEW DETAILS buttons are listed in the Details section.  2A. Verify that if a user clicks on a library, the list of course catalogs are displayed under the “Details” section. (The user can also use “View Details” button to view the details of course catalogs and courses)  2B. Verify that, if a user clicks on a Course catalog, the list of courses are displayed and check the “Learn More” button is displayed for all courses.  2C. Verify that if a user can search for a particular course by entering the keyword in the “SEARCH” option available in the Details section.  2D. Verify that, each catalog expands/collapse when it is clicked.  2E. Verify that only selected number of courses are displayed by changing the drop down values (10, 25).  2F. Click on Previous, Next to see the pagination buttons are working properly.  3A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | Verify that when if a user clicks on the “Learn More” button at the course level, “Enroll in Course” or “Go To Course” buttons are not displayed. | CCE-A-1 |  |

### **CCE-A-5 Enroll in a Course from a list of Courses in a Paid Subscription.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-5 | The user can select a subscription, navigate to the desired catalog and then on to the course. The user can enroll in the course at no additional cost (The user has already purchased the subscription). | 1. Click on Subscriptions Menu and check if the subscribed library is listed out.  2. A user can browse the list of courses by clicking the Course Catalog.  3. A user can enroll in a course using the “Enroll now” button available with all courses in a Course Catalog.  4. Measure the total time taken for the test in step 1 to 3. | 1A. Verify that the user is properly logged into the system.  1B.Subscriptions Menu Should be displayed if there are libraries available for subscription.  1C. The Paid subscriptions should be listed under “My Membership” on click of Subscriptions.  1D. Verify that if a Paid library is clicked in the “My Membership” section, SUBSCRIBE button should not be displayed in the Details and it must be replaced by a CHECKBOX with a Tick Mark.  2A. Verify that if a user clicks on a library, the list of course catalogs are displayed under the “Details” section. (The user can also use “View Details” button to view the details of course catalogs and courses)  2B. Verify that, if a user clicks on a Course catalog, the list of courses are displayed with a “Learn More/Enroll” button on click of all courses.  2C. The user can search for a particular course by entering the keyword in the “SEARCH” option available in the Details section.  3A. Verify that if a user clicks on “Learn More/Enroll” button, the page is redirected to the “Enroll in Course” page and the user is being enrolled for the specific course.  3B. Verify that once the user is being enrolled for a specific course, the “Learn More/Enroll” button is changed to “Learn More/Go To Course”.  3B. Verify that the page is not redirected to the Payment page when the user clicks on the “Enroll in Course” button.  4A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | . The user should not be able to buy a course in a purchased subscription. Verify that all the courses in a free subscription are free. If the subscription has a price, all the courses within that subscription should be free. Purchase only at the Subscription level in the subscription tab. | CCE-A-1  CCE-A-13 |  |

### 

### **3.1.6 CCE-A-6 Browse the list of Courses in an Individual Catalog from Courses menu**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-6 | The user can view Individual course Catalogs, navigate to the desired catalog and then on to the course. | 1. A user can use the “Courses” Menu to view the list of courses in an individual catalog.  2. Measure the total time taken for the test in step 1. | 1A. Verify that the user is properly logged into the system.  1B. A user can click on the Courses Menu and can view the Individual course catalogs with a count of courses under overview section of “Individual Courses”.  1C. Verify that if a user clicks on a Course in the overview section, the list of course catalogs and details are displayed below the Details Section., verify that, each catalog expands/collapse when it is clicked.  1D. Verify that if a user clicks on a catalog, the lists of courses are displayed and check the “Learn more/Purchase” button is displayed on click of all unpaid courses.  1E. Verify that the “Learn More/Go to Course” button is included at the end of the Description for all Paid courses.  1F. Verify that if a user can search for a particular course by entering the keyword in the “SEARCH” option available in the Details section.  1G. Verify that only selected number of courses are displayed by changing the drop down values (10, 25).  1H. Click on Previous, Next to see the pagination buttons are working properly.  2A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. |  | CCE-A-1 |  |

### **CCE-A-7 Select and Enroll in a free course from the list of Courses in an Individual Catalog from Courses menu**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-7 | The user can select a FREE Catalog, navigate to the desired catalog and then on to the course. The user can enroll in the course at no additional cost. | 1. A user can use the “Courses” Menu to view the list of courses in a FREE individual catalog.  2. Measure the total time taken for the test in step 1. | 1A. Verify that the user is properly logged into the system.  1B.Verify that a user can click on the Courses Menu and can view the Individual course catalogs under the overview section of “Individual Courses”.  1C. Verify that if the user selected a FREE Catalog in the overview section, the list of courses and details will be displayed below the Details Section.  1D. Verify that the “Learn More/Enroll” button is included at the end of the Description for all courses listed.  1E.Once the user clicks on a desired course, the user will be navigated to Enroll in the Course.  2A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | If the selected catalog doesn’t have a price, the price should be mentioned in the list of courses and also it should not be navigated to the payment page. | CCE-A-1  CCE-A-13 |  |

### 3.1.8 CCE-A-8 Select and Enroll in a non-free course from the list of Courses in an Individual Catalog from Courses menu

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-8 | The user can select a free subscription, navigate to the desired catalog and then on to the course. The user can enroll in the course at no additional cost. | 1. A user can use the “Courses” Menu to view the list of courses in an individual catalog.  2. Measure the total time taken for the test in step 1 | 1A. Verify that the user is properly logged into the system.  1B. A user can click on the Courses Menu and can view the Individual course catalogs under “Individual Courses”.  1C. If the user selected a NON –FREE Catalog, the list of courses and details will be displayed below the Details Section.  1D. Once the user clicks on a desired course, and clicks on “learn More/Purchase” button, it redirects the user to the “Enroll in Course” page and once the user clicks on “Enroll in Course” button, it goes to payment page to purchase the Course.  2A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | If user selects a NON FREE catalog, the price should be listed with all the courses and must be redirected to the payment page while clicking on “Enroll in the Course”. | CCE-A-1  CCE-A-13 |  |

### **CCE-A-9 Browse the list of Certifications in an individual catalog from Certifications Menu**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-9 | The user should be able to see the available course certifications. | 1. User Clicks on the Certifications Menu to view the list of certifications.  2. Measure the total time taken for the test in step 1. | 1A. Verify that the user is properly logged into the system.  1B. Verify that if a user clicks on the Certifications Menu the Individual certification catalogs under the Overview section of “Individual Certifications”.  1C. Verify that if a user clicks on a “Certifications catalog” the list of available course catalogs are listed in the Details section.  1D. Verify that if a user clicks on a course catalog, the list of courses, descriptions and cost of certification for all courses will be listed.  2A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | . | CCE-A-1 |  |

### CCE-A-10 Select and Enroll in a free Certification from the list of Certifications in the Certifications catalog from Certifications menu

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-10 | The user should be able to see the available course certifications, select and enroll in a free Certification. | 1. The user can view the FREE certifications using the “Certifications” Menu.  2. The user can enroll in a free Certification using the “Enroll now” button available while clicking a FREE course listed in the Catalog.  3. Measure the total time taken for the test in step 1 to 2. | 1A. Verify that the user is properly logged into the system.  1B. Verify that if a user clicks on the Certifications Menu the Individual certification catalogs under the Overview section of “Individual Certifications”.  1C. Verify that if a user clicks on a “Certifications catalog (free)” the list of available Certification courses are listed in the Details section.  1D. Verify that, if a user clicks on a FREE Course certification, the Enroll now button is available to enroll for that course.  3A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | Verify that the Subscribe button is not listed with all the FREE certification courses. | CCE-A-1  CCE-A-14 |  |

### CCE-A-11 Select and Enroll in a non-free certifications from the list of certifications in an Individual catalog from Certifications menu

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-10 | The user should be able to see the available course certifications, select and enroll in a non-free Certification. | 1. A user can use the “Certifications” Menu to view the list of certifications in an individual catalog.  2. Measure the total time taken for the test in step 1 | 1A. Verify that the user is properly logged into the system.  1B. A user can click on the Certifications Menu and can view the Individual certifications catalogs under “Individual Certifications”.  1C. If the user selected a NON –FREE Catalog, the list of certifications and details will be displayed below the Details Section.  1D. Once the user clicks on a desired Certification course, and clicks on “learn More/Purchase” button, it redirects the user to the “Enroll in Course” page and once the user clicks on “Enroll in Course” button, it goes to payment page to purchase the Course.  2A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | If user selects a NON FREE catalog, the price should be listed with all the certifications and must be redirected to the payment page while clicking on “Enroll in the Course”. | CCE-A-1  CCE-A-14 |  |

### **CCE-A-12 The list of Free and Paid-up Subscriptions displayed in the Subscription part of the Dashboard.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-12 | The user can view the list of paid and FREE subscriptions in the Dashboard. | 1. Using the “Dashboard” menu, the user can see the list of FREE and PaidSubscriptions in the Subscriptions part of the Dashboard.  2. Measure the total time taken for the test in step 1. | 1A. Verify that the user is properly logged into the system.  1B. Verify that the user can see the “Subscriptions” section on the “Dashboard” menu.  1C. Verify that all the subscribed libraries (both FREE and Paid Up subscriptions)is listed out below the “My Membership” part of the Subscriptions Menu.  2A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | Verify that only subscribed libraries are listed out in the “My Membership” part of the Subscriptions menu. | CCE-A-1 |  |

### **CCE-A-13The list of Enrolled (both Free and Paid-up) Courses displayed in the My Courses part of the Dashboard.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-13 | The user can view the list of paid and FREE Courses in the Dashboard. | 1. A user can view the list of Enrolled (Free and Paid-up) Courses in the My Courses part of the Dashboard.  2. Measure the total time taken for the test in step 1. | 1A. Verify that the user is properly logged into the system.  1B. Verify that, if the user clicks on Dashboard menu, My Courses section is displayed.  1C. Verify that the user is able to see the list of enrolled courses under the “My Courses” section and on clicking of a selected course, the user is navigated to a page which has the course materials.  2A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | Verify that only enrolled courses are listed out in the “My Courses” part of the Dashboard. | CCE-A-1 |  |

### **CCE-A-14 The list of Free and Paid-up Certifications displayed in the Certification part of the Dashboard.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Subsystem/ function | Function to be tested | Test Steps | Negative Conditions to Test | Reference user stories  Requirement | Additional notes |
| CCE-A-14 | The user can view the list of paid and FREE certifications in the Dashboard. | 1. Using the “Dashboard” menu, the user can see the list of FREE and Paid Certifications in the My Certifications part of the Dashboard.  2. Measure the total time taken for the test in step 1. | 1A. Verify that the user is properly logged into the system.  1B. Verify that the user can see the “My Certifications” section on click of “Certifications” part of Dashboard menu.  1C. Verify that the user is able to view all the certifications (both FREE and Paid Up certifications).  2A. Verify that the total time for the display of the catalogs and courses are within acceptable performance limits. | Verify that only enrolled courses are listed out in the “My Courses” part of the Dashboard. | CCE-A-1 |  |