Global Classroom

Customer Course Enrollment Process

High Level QA Test Scenarios

Version 1.0 Rev 1

Version 1.0

Revision History

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# 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-1 Register 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-1  9CCE-A-11 |  |

### **CCE-A-2 Purchase 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 subscriptions should be displayed under “My Non-Paid Subscriptions” on click of Subscriptions.  1D. The libraries should be grouped and ordered by cost under “My Non-Paid Subscriptions”.  1E. Details for a particular library to be displayed when a Library is clicked in the “My Non-Paid Subscriptions” section along with a BUY NOW button in the heading section.  1F. When the user clicks on “BUY NOW” it should be redirected to Payment page.  1E. Once the user enters the valid credit card or PayPal details, a message with “processing the payment” should appear.  1G. 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.  1H. 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 Paid Subscriptions” section and also in the Dashboard menu of “My Paid Subscriptions”.  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-11 |  |

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

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| --- | --- | --- | --- | --- | --- | --- |
| 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. The available subscriptions should be displayed under “My Paid Subscriptions” on click of Subscriptions.  1D. The libraries should be grouped and ordered by cost under “My Paid Subscriptions”.  1E. Verify that if a Paid library is clicked in the “My Paid Subscriptions” section, BUY NOW 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.  2B. Verify that, if a user clicks on a Course catalog, the list of courses are displayed with an “Enroll now” 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 Now” option at the course level. In this case, the “Buy Now” 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**

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| --- | --- | --- | --- | --- | --- | --- |
| 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 “My Non-Paid Subscriptions” on click of Subscriptions.  1D. The libraries should be grouped and ordered by cost under “My Non-Paid Subscriptions”.  1E. Verify that if a non-paid library is clicked in the “My Non-Paid Subscriptions” section, a BUY NOW button is displayed 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.  2B. Verify that, if a user clicks on a Course catalog, the list of courses are displayed and check the “Enroll now” button is not displayed 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. | . | CCE-A-1 |  |

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

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| --- | --- | --- | --- | --- | --- | --- |
| 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 available subscriptions should be displayed under “My Paid Subscriptions” on click of Subscriptions.  1D. The libraries should be grouped and ordered by cost under “My Paid Subscriptions”.  1E. Verify that if a Paid library is clicked in the “My Paid Subscriptions” section, BUY NOW 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.  2B. Verify that, if a user clicks on a Course catalog, the list of courses are displayed with an “Enroll now” 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 “Enroll now” button, the page is redirected to the “View in Course” page and the user is being enrolled for the specific course.  3B. Verify that the page is not redirected to the Payment page when the user clicks on the “Enroll now” 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-12 |  |

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

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| --- | --- | --- | --- | --- | --- | --- |
| 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 under overview section of “Individual Courses for sale”.  1C. Verify that if a user clicks on a Catalog in the overview section, the list of courses and details will be displayed below the Details Section.  1D. Verify that the “Learn More” button is included at the end of the Description for all courses 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-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 for sale”.  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” 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-12 |  |

**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 for sale”.  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, the user will be prompted to “Enroll in the Course” which redirects the user to the 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-12 |  |

### **CCE-A-9 Browse the list of Certifications from the Courses 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 Courses 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 Courses Menu the Individual certification catalogs under the Overview section of “Individual Certification for sale”.  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 part in Courses 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 “Courses” 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 Courses Menu the Individual certification catalogs under the Overview section of “Individual Certification”.  1C. 1C. Verify that if a user clicks on a “FREE Certifications catalog” 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 Buy Now button is not listed with all the FREE certification courses. |  |  |

### **9CCE-A-11 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-11 | 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 Paid Subscriptions in the My 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 “My Subscriptions” section on click of “Dashboard”.  1C. Verify that the user is able to view all the subscribed libraries (both FREE and Paid Up subscriptions).  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 Subscriptions” part of the Dashboard. | CCE-A-1 |  |

### **CCE-A-12 The 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-12 | 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.  1B. 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 |  |

# 