**Selenium Activities**

A General Overview of All Planned Activities

# **Application: Alchemy LMS**

The participants the will be working on this page are:

1. Abhishek
2. Bhaskara Damaragunta
3. Dinesh Sundaram
4. Zankhna Darji
5. Vinutha B

The application that you will be testing is an LMS system. The URL is: <https://alchemy.hguy.co/lms>

The credentials for the site are:

Username: **root**

Password: **pa$$w0rd**

# List of Activities:

1. **Verify the website title  
   Goal:** **Read the title of the website and verify the text**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Get the title of the website.
   4. Make sure it matches “Alchemy LMS – An LMS Application '' exactly.
   5. If it matches, close the browser.
2. **Verify the website heading  
   Goal:** **Read the heading of the website and verify the text**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Get the heading of the webpage.
   4. Make sure it matches “Learn from Industry Experts” exactly.
   5. If it matches, close the browser.
3. **Verify the title of the first info box  
   Goal:** **Read the title of the first info box on the website and verify the text**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Get the title of the first info box.
   4. Make sure it matches “Actionable Training” exactly.
   5. If it matches, close the browser.
4. **Verify the title of the second most popular course  
   Goal:** **Read the title of the second most popular course on the website and verify the text**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Get the title of the second most popular course.
   4. Make sure it matches “Email Marketing Strategies” exactly.
   5. If it matches, close the browser.
5. **Navigate to another page  
   Goal:** **Navigate to the “My Account” page on the site.**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Find the navigation bar.
   4. Select the menu item that says “My Account” and click it.
   5. Read the page title and verify that you are on the correct page.
   6. Close the browser.
6. **Logging into the site  
   Goal: Open the website and log-in using the provided credentials.**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Find the navigation bar.
   4. Select the menu item that says “My Account” and click it.
   5. Read the page title and verify that you are on the correct page.
   6. Find the “Login” button on the page and click it.
   7. Find the username field of the login form and enter the username into that field.
   8. Find the password field of the login form and enter the password into that field.
   9. Find the login button and click it.
   10. Verify that you have logged in.
   11. Close the browser.
7. **Count the number of courses  
   Goal: Navigate to the “All Courses” page and count the number of courses.**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Find the navigation bar.
   4. Select the menu item that says “All Courses” and click it.
   5. Find all the courses on the page.
   6. Print the number of courses on the page.
8. **Contact the admin  
   Goal: Navigate to the “Contact Us” page and complete the form.**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Find the navigation bar.
   4. Select the menu item that says “Contact” and click it.
   5. Find the contact form fields (Full Name, email, etc.)
   6. Fill in the information and leave a message.
   7. Click submit.
   8. Read and print the message displayed after submission.
   9. Close the browser.
9. **Complete a simple lesson  
   Goal: Navigate to a particular lesson and complete it.**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
   3. Find the navigation bar.
   4. Select the menu item that says “All Courses” and click it.
   5. Select any course and open it.
   6. Click on a lesson in the course. Verify the title of the course.
   7. Click the Mark Complete button on the page (if available).
   8. Close the browser.
10. **Complete a topic in a lesson  
    Goal: Navigate to a particular lesson and complete a topic in it.**
    1. Open a browser.
    2. Navigate to ‘<https://alchemy.hguy.co/lms>’.
    3. Find the navigation bar.
    4. Select the menu item that says “All Courses” and click it.
    5. Select any course and open it.
    6. Click on a lesson in the course. Verify the title of the course.
    7. Open a topic in that lesson. Mark it as complete.
    8. Mark all the topics in the lesson as complete (if available).
    9. Close the browser.
11. **Complete an entire course  
    Goal: Navigate to a particular course and complete all lessons and topics in it.**
    1. Open the browser to the [All Courses](https://alchemy.hguy.co/lms/all-courses/) page of Alchemy LMS site.
    2. Select any course and open it.
    3. Click on a lesson in the course. Verify the title of the course.
    4. Open a topic in that lesson. Mark it as complete.
    5. Perform the above steps for all lessons and topics in the course.
    6. Verify the course is complete by checking the value of the progress bar.
    7. Close the browser.
12. **Use XPath to find an element on the page  
    Goal: Using XPath to find elements on the page and complete a lesson.**
    1. Open the browser to the [All Courses](https://alchemy.hguy.co/lms/all-courses/) page of Alchemy LMS site.
    2. Find a course to open using XPath notations.
    3. Find a lesson in that course and open it using XPath notations.
    4. Find the Mark Complete button on the page using XPath and click it.
    5. Check progress of course by finding the progress bar on the page using XPath
    6. Close the browser.
13. **Complete an entire course using only XPath  
    Goal: Finding elements on the page and using nothing but XPath notations to complete a course**
    1. Open the browser to the [All Courses](https://alchemy.hguy.co/lms/all-courses/) page of Alchemy LMS site.
    2. Find a course to open using XPath notations.
    3. Find a lesson in that course and open it using XPath notations.
    4. Open each topic in the lesson using XPath and mark them as complete.
    5. Mark the lesson as complete and verify progress of the course.
    6. Close the browser.
14. **Using only keyboard actions  
    Goal: Search for a course and complete it using only keyboard actions. No Clicks.**
    1. Open the browser to the [My Account](https://alchemy.hguy.co/lms/my-account/) page of Alchemy LMS site.
    2. Open a course using only keyboard actions.
    3. Find the lessons in the course and hit ENTER on them
    4. Find the Mark Complete button and hit ENTER on it.
    5. Repeat for each lesson in the course.
    6. Check progress of course and print it.
    7. Close the browser.
15. **Using ReportNG to generate custom reports  
    Goal: Rewrite Activity 11 to use TestNG and generate a custom HTML report.**
    1. Generate a report with it ReportNG instead of the usual TestNG reporter for all activities.
    2. View the result in a browser.