**Selenium Activities**

A General Overview of All Planned Activities

# **Application: Alchemy Jobs**

The participants the will be working on this page are:

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The application that you will be testing is a Job-board system. The URL is: <https://alchemy.hguy.co/jobs/>

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/jobs>’.
   3. Get the title of the website.
   4. Make sure it matches “Alchemy Jobs – Job Board 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/jobs>’.
   3. Get the heading of the webpage.
   4. Make sure it matches “Welcome to Alchemy Jobs” exactly.
   5. If it matches, close the browser.
3. **Get the url of the header image  
   Goal:** **Print the url of the header image to the console**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/jobs>’.
   3. Get the url of the header image.
   4. Print the url to the console.
   5. Close the browser.
4. **Verify the website’s second heading  
   Goal: Read the second heading of the website and verify the text**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/jobs>’.
   3. Get the second heading on the page.
   4. Make sure it matches “Quia quis non” exactly.
   5. If it matches, close the browser.
5. **Navigate to another page  
   Goal:** **Navigate to the “Jobs” page on the site.**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/jobs>’.
   3. Find the navigation bar.
   4. Select the menu item that says “Jobs” and click it.
   5. Read the page title and verify that you are on the correct page.
   6. Close the browser.
6. **Apply to a job  
   Goal:** **Search for a job and apply for it**
   1. Open browser with [Alchemy Jobs site](https://alchemy.hguy.co/jobs/) and navigate to the Jobs page.
   2. Search for a particular job and wait for listings to show.
   3. Click and open any one of the jobs listed.
   4. Click the apply button and print the email to the console.
   5. Close the browser.
7. **Create a new job listing  
   Goal:** **Create a new job listing**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/jobs>’
   3. Locate the navigation menu and click the menu item that says “Post a Job”
   4. Fill in the necessary details and click the button that says “Preview”.
   5. Click on the button that says “Submit Listing”.
   6. Verify that the job listing was posted by visiting the jobs page.
   7. Close the browser.
8. **Login into the website’s backend  
   Goal:** **Visit the site’s backend and login**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/jobs/wp-admin>’.
   3. Find the username field of the login form and enter the username into that field.
   4. Find the password field of the login form and enter the password into that field.
   5. Find the login button and click it.
   6. Verify that you have logged in.
   7. Close the browser.
9. **Create a job listing using the backend  
   Goal:** **Visit the site’s backend and create a job listing**
   1. Open a browser.
   2. Navigate to ‘<https://alchemy.hguy.co/jobs/wp-admin>’ and log in.
   3. Locate the left hand menu and click the menu item that says “Job Listings”.
   4. Locate the “Add New” button and click it.
   5. Fill in the necessary details.
   6. Click the “Publish” button.
   7. Verify that the job listing was created.
   8. Close the browser.
10. **Create a new user  
    Goal:** **Visit the site’s backend and create a new user**
    1. Open a browser.
    2. Navigate to ‘<https://alchemy.hguy.co/jobs/wp-admin>’ and log in.
    3. Locate the left hand menu and click the menu item that says “Users”.
    4. Locate the “Add New” button and click it.
    5. Fill in the necessary details.
    6. Click the “Add New User” button.
    7. Verify that the user was created.
    8. Close the browser.
11. **Searching for jobs using XPath  
    Goal:** **Searching for jobs and applying to them using XPath**
    1. Open browser with [Alchemy Jobs site](https://alchemy.hguy.co/jobs/) and navigate to Jobs page
    2. Find the Keywords search input field.
    3. Type in keywords to search for jobs and change the Job type
    4. Find the filter using XPath and filter job type to show only “Full Time” jobs.
    5. Find a job listing using XPath and it to see job details.
    6. Find the title of the job listing using XPath and print it to the console.
    7. Find and Click on “Apply for job” button.
    8. Close the browser.
12. **Creating a user using an external file  
    Goal:** **Create a user using details from an external CSV/Excel file**
    1. Follow the same steps used in activity 10.
    2. Instead of using keypresses to enter user details, load the necessary details from an external CSV/Excel file.
    3. Verify that the user was created.
    4. Close the browser.
13. **Posting a job using an external file  
    Goal:** **Post a job using details from an external CSV/Excel file**
    1. Open browser with [Alchemy Jobs site](https://alchemy.hguy.co/jobs/)
    2. Go to Post a Job page.
    3. Read job information from an external file and fill the details.
    4. Click submit.
    5. Go to Jobs page.
    6. Confirm job listing is shown on page.
14. **Using DataProviders to perform data driven tests in TestNG  
    Goal:** **Rewrite activity 10 to use TestNG and DataProviders to generate HTML reports**
    1. Rewrite Activity 10 using DataProviders annotation.
    2. Generate HTML reports using ReportNG.
    3. View result in browser.
15. **Using ReportNG to generate reports  
    Goal:** **Rewrite activity 6 to use ReportNG and generate HTML reports**
    1. Generate a report with it ReportNG instead of the usual TestNG reporter for all activities.
    2. View the result in a browser.