**Selenium Activities**

A General Overview of All Planned Activities

# **Application: OrangeHRM**

The participants the will be working on this page are:

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The application that you will be testing is an HRM system. The URL is: <http://alchemy.hguy.co/orangehrm>

The credentials for the site are:

Username: **orange**

Password: **orangepassword123**

# 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 ‘<http://alchemy.hguy.co/orangehrm>’.
   3. Get the title of the website.
   4. Make sure it matches “OrangeHRM” exactly.
   5. If it matches, close the browser.
2. **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 ‘<http://alchemy.hguy.co/orangehrm>’.
   3. Get the url of the header image.
   4. Print the url to the console.
   5. Close the browser.
3. **Logging into the site  
   Goal:** **Open the site and login with the credentials provided**

# Open the browser to the [login page](http://alchemy.hguy.co/orangehrm) of OrangeHRM site.

# Find and select the username and password fields

# Enter login credentials into the respective fields

# Click login

# Verify that the homepage has opened.

# Close the browser.

1. **Add a new employee  
   Goal:** **Add an employee and their details to the site**
   1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided
   2. Find the PIM option in the menu and click it.
   3. Click the Add button to add a new Employee.
   4. Fill in the required fields and click Save.
   5. Navigate back to the Admin page and verify the creation of your employee.
   6. Close the browser.
2. **Edit user information  
   Goal:** **Edit a user’s information**
   1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided
   2. Find the “My Info” menu item and click it.
   3. On the new page, click the Edit button.
   4. Fill in the Name, Gender, Nationality, and the DOB fields.
   5. Click Save.
   6. Close the browser.
3. **Verify that the “Directory” menu item is visible and clickable  
   Goal:** **Verify that the “Directory” menu item is visible and clickable**
   1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided.
   2. Locate the navigation menu.
   3. Verify that the “Directory” menu item is visible and clickable.
   4. If clickable, click on the menu item.
   5. Verify that the heading of the page matches “Search Directory”.
   6. Close the browser.
4. **Adding qualifications  
   Goal:** **Add employee qualifications**
   1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided
   2. Find the “My Info” menu item and click it.
   3. On the new page, find the Qualification option on the left side menu and click it.
   4. Add Work Experience and click Save.
   5. Close the browser.
5. **Applying for a leave  
   Goal:** **Login and apply for a leave on the HRM site**
   1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided
   2. Navigate to the Dashboard page and click on the Apply Leave option.
   3. Select leave type and duration of the leave.
   4. Click Apply.
   5. Navigate to the My Leave page to check the status of leave application.
   6. Close the browser.
6. **Retrieve emergency contacts  
   Goal: Login and retrieve the emergency contacts for the user**
   1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided.
   2. Navigate to the “My Info” page.
   3. Locate the left hand menu.
   4. Click on the “Emergency Contacts” menu item.
   5. Retrieve information about all the contacts listed in the table.
   6. Print all the information to the console.
   7. Close the browser.
7. **Creating a job vacancy  
   Goal: To create a job vacancy for “DevOps Engineer”**
   1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided.
   2. Navigate to the “Recruitment” page.
   3. Click on the “Vacancies” menu item to navigate to the vacancies page.
   4. Click on the “Add” button to navigate to the “Add Job Vacancy” form.
   5. Fill out the necessary details.
   6. Click the “Save” button to save the vacancy.
   7. Verify that the vacancy was created.
   8. Close the browser.
8. **Adding a candidate for recruitment  
   Goal: Add information about a candidate for recruitment**
   1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided
   2. Navigate to the Recruitment page and click on the Add button to add candidate information.
   3. On the next page, fill in the details of the candidate.
   4. Upload a resume (docx or pdf) to the form.
   5. Click Save.
   6. Navigate back to the Recruitments page to confirm candidate entry.
   7. Close the browser.
9. **Add multiple employees  
   Goal: Add multiple employees using an external CSV file**
   1. Create a CSV with at least 3 users details in it.
   2. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided
   3. Find the PIM option in the menu and click it.
   4. Click the Add button to add a new Employee.
   5. Make sure the “Create Login Details” checkbox is checked.
   6. Fill in the required fields using the CSV file as the source and click Save.
   7. Repeat this until all the employees and their accounts have been created.
   8. Verify that the employees have been created.
   9. Close the browser.
10. **Upload a CSV  
    Goal: Use OrangeHRM’s “CSV Data Import” function to create employees**
    1. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided
    2. Find the PIM option in the menu and click it.
    3. Navigate to “Configuration -> Data Import” in the navigation menu and click it.
    4. Upload the CSV file to this page.
    5. Click the upload button.
    6. Verify that the employee was created.
11. **Creating multiple vacancies  
    Goal: Creating multiple vacancies using data from an external excel spreadsheet**
    1. Create an excel spreadsheet containing information about at least 3 vacancies.
    2. Open the [OrangeHRM](http://alchemy.hguy.co/orangehrm) page and login with credentials provided.
    3. Navigate to the “Recruitment” page.
    4. Click on the “Vacancies” menu item to navigate to the vacancies page.
    5. Click on the “Add” button to navigate to the “Add Job Vacancy” form.
    6. Fill out the necessary details using the excel spreadsheet as your data source.
    7. Click the “Save” button to save the vacancy.
    8. Repeat until all the vacancies have been created.
    9. Verify that all the vacancies have been successfully created.
    10. Close the browser.

**Note: Ensure that the “Job Titles” for your vacancies have already been created,  
 otherwise this activity will fail.**

1. **Using ReportNG to create reports  
   Goal: Rewrite activity 9 to use ReportNG to generate a report**
   1. Generate a report with it ReportNG instead of the usual TestNG reporter for all activities.
   2. View the result in a browser.