

QA Automation Engineer - Test

Thank you for applying!

We think we could be the right fit. In order to check that and for you to get a feeling of what your job would be in Insightful, please complete the test and send it back to us.

Deadline: Please submit the test within 5 days.

Duration: Expected task duration time is about 5-6h.

For any questions, please reach out to sanja.perovic@insightful.io.

Objective: This assignment aims to evaluate your expertise in designing, developing, and documenting robust end-to-end test automation solutions for a web application. It will assess your understanding of test architecture, best practices in automation, data management, and your ability to create resilient and maintainable test suites.

Application Under Test (AUT): OrangeHRM Demo Site

<https://opensource-demo.orangehrmlive.com/>

Preferred Automation Tool: Cypress (or any other JavaScript/TypeScript-based web automation tool can be used, but Cypress is highly recommended).

1. Project Setup

- Set up a clean, modular project structure using the Page Object Model (recommended).
- Use an `env` or configuration file to manage sensitive data (e.g., base URL, credentials).
- Include a clear `README.md` with installation and usage instructions.

2. Test Implementation

Implement the following test scenarios:

2.1 Login Implement test(s) that verify the login functionality.

2.2 User Management Navigate to Admin → User Management → Users:

- Add a new user with a random, unique username.
- Verify the user appears in the list with correct details.
- Edit the newly created user (e.g., update role or status).
- Delete the user and confirm it no longer appears in the list.

2.3 My Information Module - Attachments Navigate to My Info → Attachments:

- Upload an attachment with a description.
- Verify the file is uploaded and listed correctly.
- Download and confirm the file.
- Delete the attachment and confirm its removal.

2.4 Dashboard Data Validation

Navigate to the Dashboard tab:

- Identify and validate at least two chart widgets.
- Include negative assertions (e.g., values or labels that should not be visible).

2.5 Recruitment Module - Job Vacancies Navigate to Recruitment → Vacancies:

- Verify the search functionality by applying filters and confirming results.

3. Bonus (Optional, but Appreciated)

- Data-driven testing (e.g., load multiple users from JSON or CSV).
- Implement reusable utilities.
- Add automated cleanup logic for repeatable test runs.
- Generate test reports (e.g., Mochawesome, Allure).
- Use dynamic data generation where applicable.

Deliverables Submit a public Git repository (GitHub, GitLab, or Bitbucket) that includes:

- Fully implemented test scenarios and framework code.
- A [README.md](#) file containing:
 - Project overview.
 - Prerequisites and setup instructions.
 - How to run the tests.
 - Explanation of project structure and approach.
 - Any assumptions, limitations, or suggestions for improvement.

Good luck! We look forward to reviewing your submission.