

QA Automation Exercise – OrangeHRM

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Project: UI Test Automation using Playwright

Repository: [orangehrm-automation](#)

Overview

This project automates five UI test scenarios for the OrangeHRM demo site using Playwright and JavaScript. The structure follows the Page Object Model and aims to apply best practices in UI automation, including clear separation of concerns, proper use of locators, and synchronization techniques.

Test Scenarios Covered

1. Login with valid credentials
2. Add a new employee
3. Search for the created employee
4. Update personal details (nationality and date of birth)
5. Logout and verify redirection to login page

Technologies Used

- Playwright
- Node.js
- JavaScript
- Visual Studio Code
- Git and GitHub

Challenges and Observations

- Some UI elements were not easy to locate using the browser inspector, mainly due to a lack of unique attributes such as id or data-testid. This required creative locator strategies, including role-based and indexed selectors.
- The date of birth input required specific handling due to format constraints and visibility issues. Scrolling to the element before interaction (`scrollIntoViewIfNeeded`) improved reliability.
- Waits and visibility checks were essential to ensure test stability, especially in dynamic parts of the application.

Final Notes

All test scenarios were completed successfully. The project adheres to good automation practices and is ready to be reviewed. Despite minor locator challenges, the exercise was an excellent opportunity to demonstrate technical skills and attention to detail.