

1. Automation Strategy

QA Craft Growth — Automation Challenge Activity

This document outlines the automation strategy for the site laboratoriodetesting.com, as part of a mandatory QA activity at Huge. The objective is to strengthen automation skills through hands-on implementation of test scenarios using Cypress, with a focus on critical thinking, scripting, research, and ownership of quality processes.

E-commerce Site — Cypress Approach

Project Summary

I am currently the only QA working on an e-commerce project that is in Sprint 6 of 18, with a team of 3 developers. I've implemented a set of test scenarios using Cypress, focused on the site's core functionalities:

- Login with existing user
- Add product to cart
- Empty cart
- Password recovery (no email entered)
- Password recovery (valid email entered)

This automation effort aims to stabilize the current critical flows before major changes are implemented in these areas.

2. Critical Paths (to automate first)

Scenario 1: Login with Existing User

Why it's critical:

- Enables access to personalized features like favorites and order history.

Key validations:

- Successful login with valid credentials.
- Proper error messaging for invalid credentials.
- Recovery token creation.
- Correct redirection after login.

Scenario 2: Add Product to Cart

Why it's critical:

- A necessary step to initiate the purchase process.

Key validations:

- User can select a product and add it to the cart.
- The cart displays the selected product correctly.
- Product name and price match the selection.

Scenario 3: Empty Cart

Why it's critical:

- Ensures users have control over their purchase process.
- Allows users to reset their cart before checkout.

Key validations:

- Clicking "Empty Cart" removes all products.
- Total amount displayed becomes \$0.00.
- Clear visual confirmation is shown.

Scenario 4: Password Recovery Without Email

Why it's critical:

- Incomplete recovery flows must show clear validation to guide the user.

Key validations:

- Error message is shown when no email is entered.
- The recovery process is not triggered.

Scenario 5: Password Recovery With Valid Email

Why it's critical:

- Ensures users can regain access to their account when needed.

Key validations:

- User can enter their email and submit the recovery form.
- A message confirms that the recovery token has been sent.