

QA Engineer Assessment – Automation & AI

Overview

This assessment is designed to evaluate your ability to:

- Set up Cypress automation from scratch
- Automate real-world UI test cases
- Think about low-code/AI automation tools
- Express your views on the role of AI in QA

Please complete all sections.

Section 1 – Cypress Setup (10 minutes)

1. Create a new Node.js project.

2. Install Cypress:

```
npm init -y  
npm install cypress --save-dev
```

3. Verify Cypress runs by opening the test runner with:

```
npx cypress open
```

Section 2 – Cypress Automation Task (30 minutes)

Automate the following on <https://www.eight25media.com/>:

1. Homepage Test

- Visit the homepage.
- Assert that the page title contains the text “eight25”.

2. Navigation Test

- Click on the Work menu item in the header.
- Verify that the Work page loads and contains the text “Our Work”.

3. Form Interaction

- Navigate to the Contact page.
- Fill in the contact form with sample data:

Name: Test User

Email: testuser@example.com

Message: This is a test message

- Assert that the fields are filled correctly (submission not required).

4. Responsive Check (Bonus)

- Run the homepage test in a mobile viewport (375x667).
- Verify that the mobile menu (hamburger icon) is visible.

Section 3 – Low-Code / AI Automation (10 minutes)

Explain in writing:

If you had to automate the same flow (Homepage → Work → Contact form) using a low-code or AI-powered automation tool (e.g., Testim, Mabl, Katalon), describe step by step how you would implement it.

Section 4 – AI in QA (10 minutes)

Answer the following question in 4–6 sentences:

👉 “How do you think AI-based test automation will improve software testing in the next 3 years?”

Submission Guidelines

- Share your Cypress project as a GitHub repo or a .zip file.
- Include your written answers in a README.md file or a separate document.
- Be prepared for a short follow-up discussion, where you may be asked to make small changes to your test live.