

## Section 1 – Cypress Setup

Initialized as in the given way of initializing the cypress project

## Section 2 – Cypress Automation Task

Its in the “NoelDurairaj\cypress\e2e”

## Section 3 – Low-Code / AI Automation Tools Explanation

I chose Testim because this is designed for the simple and speedy testing the automation process especially for UI-heavy websites like eight25media.com.

### Example using Testim:

1. Launch Testim and create a new test.
2. Start recording on the Eight25 homepage.
3. Step 1: Homepage
  - Navigate to <https://www.eight25media.com/>
  - Assert page title contains “eight25”.
4. Step 2: Work Navigation
  - Click the “Work” header link.
  - Assert the page contains text “Our Work”.
5. Step 3: Contact Form
  - Navigate to Contact page.
  - Enter:
    - Name: Test User
    - Email: testuser@example.com
    - Message: This is a test message
  - Add assertions to confirm field values.
6. Enhance with AI suggestions if available (e.g., Testim’s Smart Locators).
7. Run the test on multiple viewports if tool supports responsive testing.
8. Save and schedule tests in CI/CD for future automation.

## Section 4 – AI in QA

In the next 3 years, I believe AI will play a big role in test automation. It’s going to make testing faster, more stable, and easier to scale. One major change will be around test maintenance — instead of constantly fixing scripts when the UI changes,

AI can use smart locators and self-healing to adjust automatically. I also see test generation becoming more advanced, where AI can actually create functional tests based on requirements or even user behaviour. On top of that, predictive analytics will help us focus on the high-risk areas of the code, so we test smarter instead of just more. AI will also support visual testing, accessibility, and performance regression, which means a lot of the repetitive work will be reduced. This shift will let QA teams spend less time on manual tasks and more time on improving overall quality and strategy.