

## Part 2A: Code Review & Debugging

- **Issue Category:** Reliability
- **Severity:** Critical
- **Description:** Use of cy.wait() multiple times in the test. If app loads for a shorter amount of time, the test waits unnecessarily and if the app takes longer test fails.
- **Improved Code:** will wait as long as the server takes to respond
  - cy.intercept('POST', '/api/login').as('loginRequest');
  - cy.get('button[type="submit"]').click();
  - cy.wait('@loginRequest');
- **Issue Category:** Maintainability
- **Severity:** High
- **Description:** Use of cy.get('button') is not specific and the first button on the page will be selected, if button order changes test will break. Same with cy.get('#question1'), if the content of questions is switched it's no longer selecting the correct question.
- **Improved Code:** Using specific test attributes or text that the user sees to select is more stable
  - cy.get('[data-testid="login-btn"]').click();
  - cy.contains('button', 'Log in').click();
- **Issue Category:** Best Practice
- **Severity:** Medium
- **Description:** The login steps are inside the it block. If you add a second test case, you have to copy-paste the login code.
- **Improved Code:** Put login steps outside it block

```
describe('Post-Surgery Symptom Survey', () => {
    beforeEach(() => {
        cy.visit('/login');
        //login here...
    });
    it('should complete survey...', () => { ... })
});
```
- **Issue Category:** Reliability
- **Severity:** Medium
- **Description:** Test clicks elements immediately without checking if they are actionable. Submit button might be disabled until all questions are answered, leading to failure
- **Improved Code:** Check that the button is enabled first

```
cy.contains('button', 'Submit').should('not.be.disabled').click();
```