

Intro to Testing



What is testing?

- **Testing** means writing code that validates that our implementation code works as expected.
- We write **assertions** to validate certain expectations of our code.
- Reduces manual testing.

What tools will we use?

- Vitest
 - Test runner that uses Vite build tool; super-fast
 - Similar syntax to Jest
- Vue Testing Library
 - Wraps Vue Test Utils and DOM Testing Library under the hood

What is a unit test?

- A **unit test** tests a single piece of a program in isolation.
- A **unit test** should be lightweight and should run fast.
- If there are dependencies, the unit test should mock or stub them out.

The Testing Pyramid

