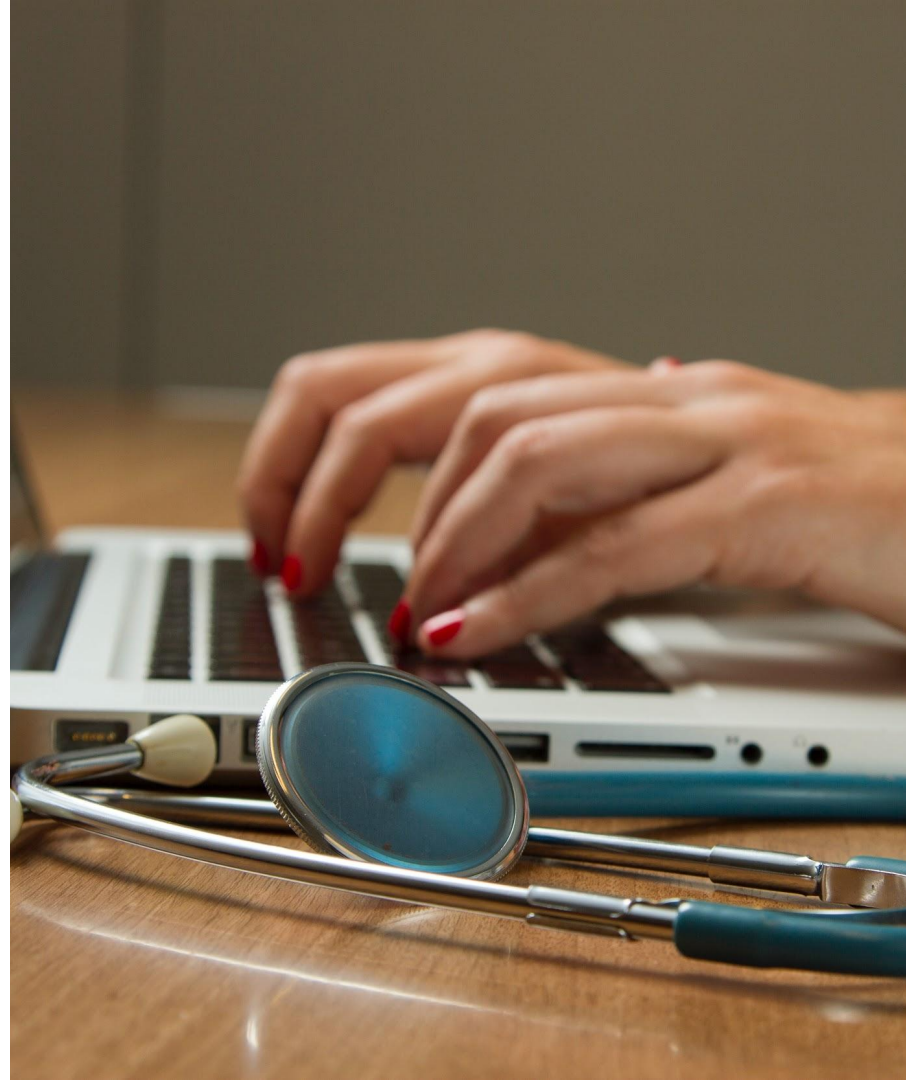# Test-Driven Development

Test-Driven Development= Doing everything with testing in mind--Writing tests before the code.

This approach ensures that Developers clearly understand the specifications and requirements of features.

Test-Driven Development

TDD is all about creating tests for individual pieces of functionality, and then write code for that specific functionality.

Test-Driven Development

Test-Driven Development is all about writing the simplest code to get your tests to pass--to green.

TDD works in a smal, but effective cycle that includes:

1. **RED:** Failing your tests.

2. **GREEN:** Passing your tests

3. **Refactor:** Refine your code, clean it up. Fix any things you have noticed. Areas of Opportunity in your code.