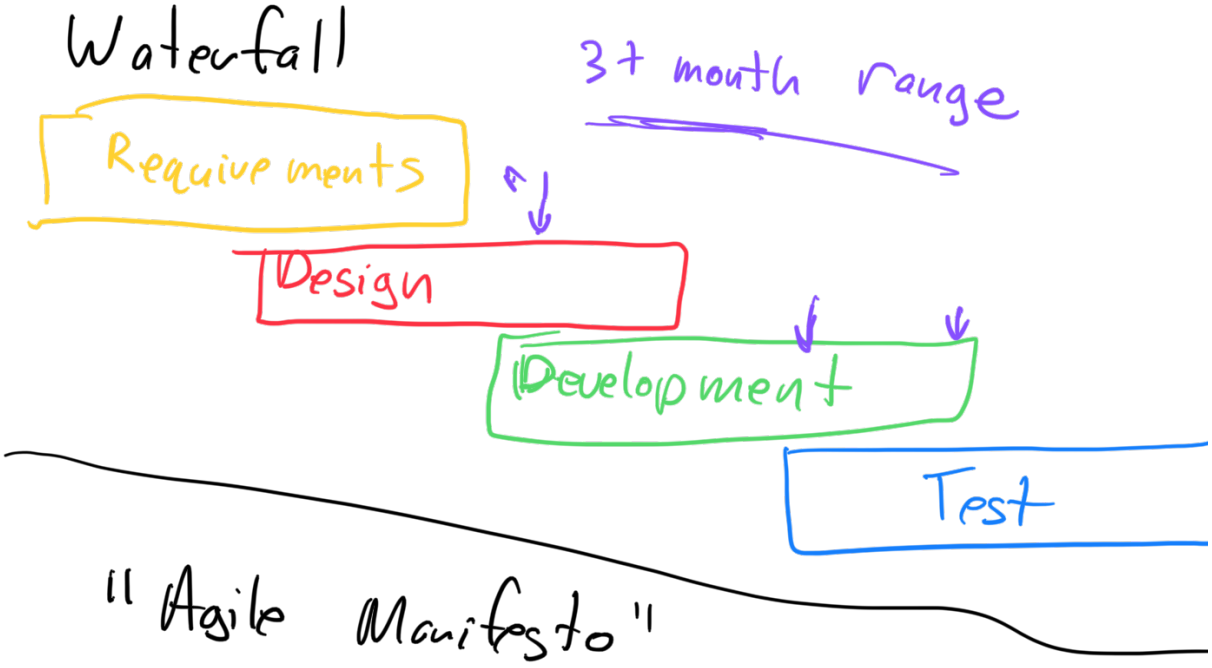
Unit Testing and the SDLC

Waterfall



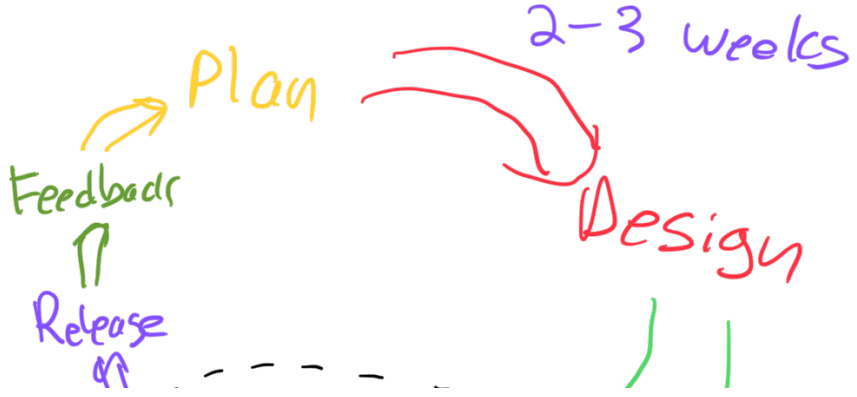
"Agile Manifesto"

People over process

Short release cycles

Agile software development

"small iterations"



possible because we deliver software over the web.

Types of Testing

Manual Testing (Quality Assurance Analyst)
- creativity
- visual acuity - subject

Automated Testing
- speed / efficiency
- Lower cost per test run*
- accurate
- repeatable / dependable*

Exploratory Testing
- new code paths - finding new failures

Regression Testing
- code continues working the same way

Kinds of Tests

most
- unit tests
  - always automation
  - written by developers
  - test one aspec of one functio

middle
- integration tests
  - automation
  - manual
  - typically QAA / QAE
  - testing complete features

- Acceptance tests

least
- mostly manual*
- as an end user does this meet business requirements

Other test types

- performance
- security testing
- usability testing
- accessibility testing
- portability / compatibility