



1. Requirements Elicitation

2. Design (data, communication, decompose)

3. Implement

4. Testing

- Unit - code itself
- Integration - design
- User - requirements
 - alpha
 - beta

5. maintenance

- bugs
- upstream/platform updates
- Feature request

Requirements

Functional

Nonfunctional

What prog does

How it does it / anything else

Prioritize

1.

2.

3.

4.

5.

⋮

⋮

15.

⋮

↑

← easy

• need it soon

• Cheap

• Quality

} Pick 2 of 3

Design

1. What is "first-class" data?

- 1st class :
 - sequence of words
 - page size
- Derived: position of each word

2. What change ^{to code} will be easy

Testing:

- Boring
- no obvious value - Ideal is no action
- matters a lot

Maintenance

Bug removal

- / notice
- triage
- \ patch / repair

Feature Request

Upstream changes — keep up with changes around me
Security