


Testing approaches and principles

Testing is a big topic –
*These are just some core ideas,
specifically for CAMD
government leads*

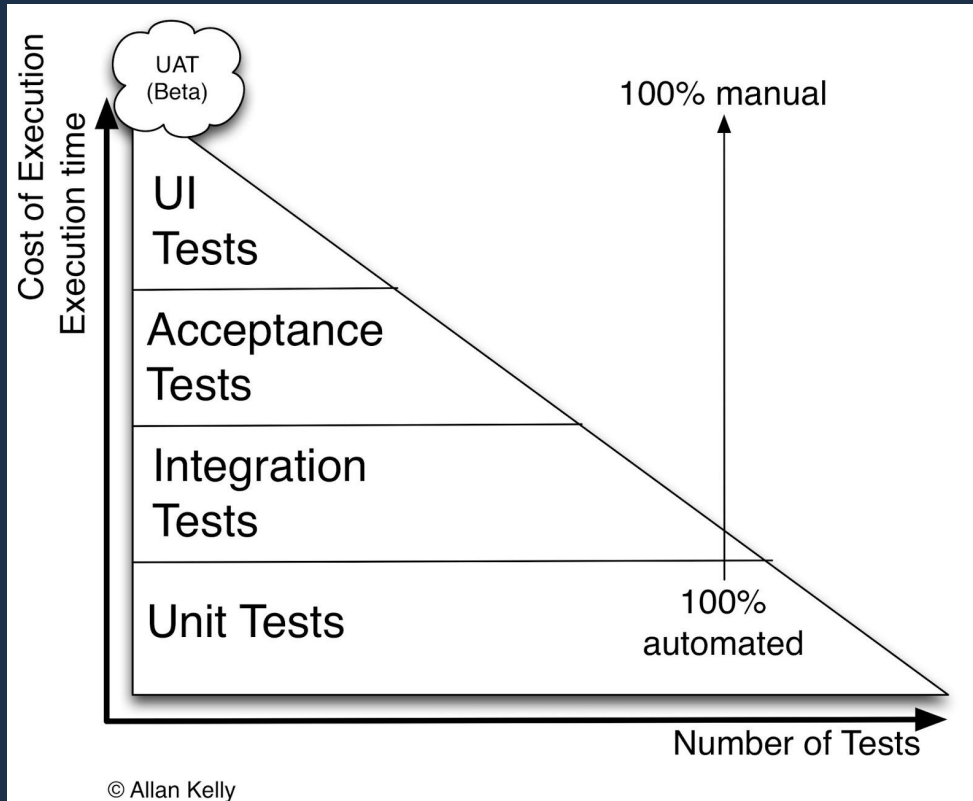
E. W. Dijkstra, On the reliability of programs (EWD 303), Unknown date (1970s)



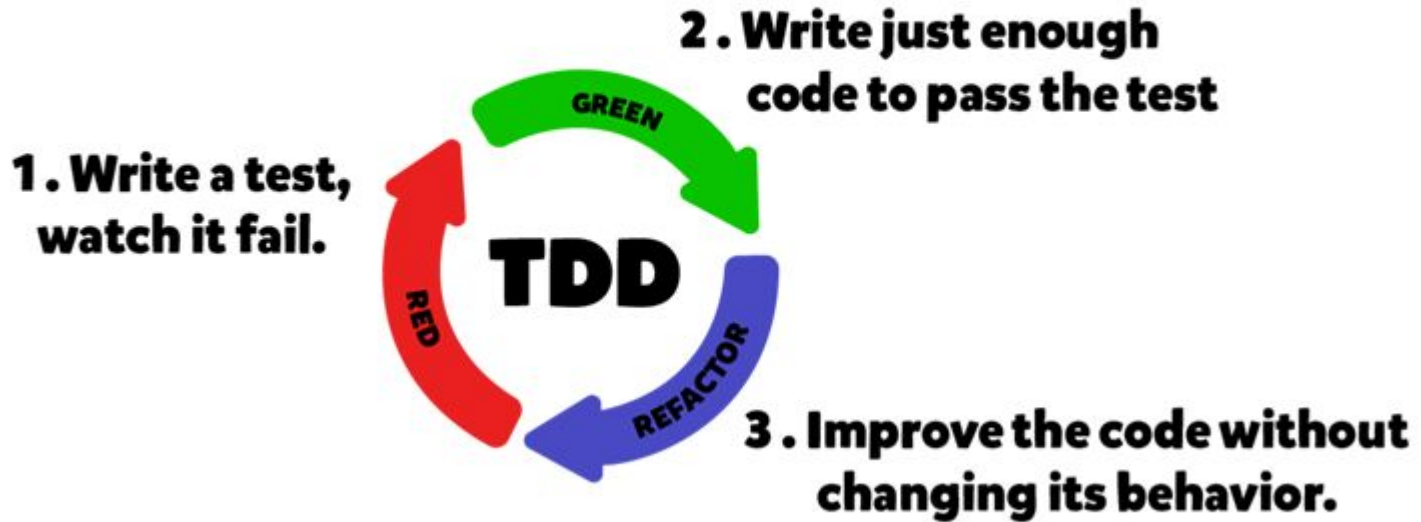
*“...program testing can be used
very effectively to show the
presence of bugs but never to show
their absence.”*

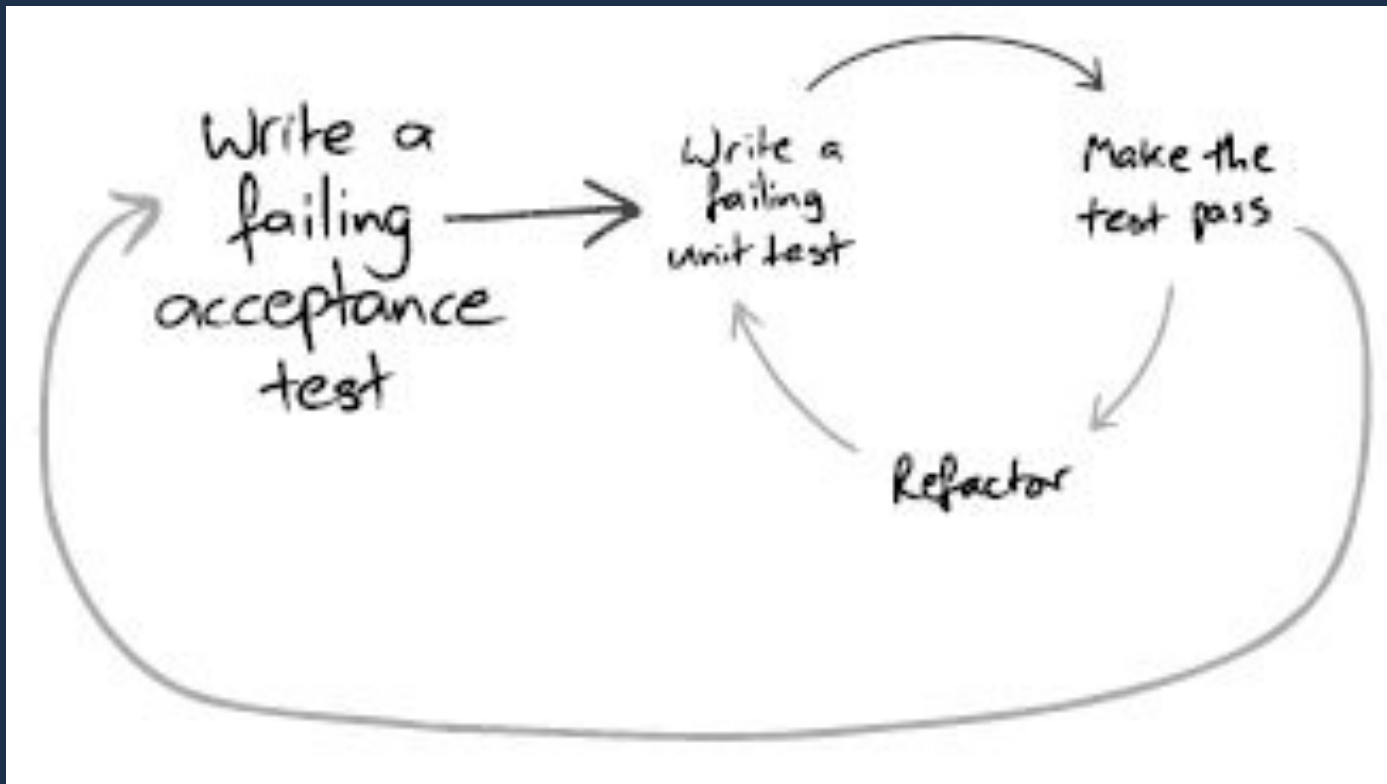
Types of testing (not exhaustive)

- Unit Testing
- Integration Testing
- Functional Testing
- Exploratory Testing
- User Acceptance Testing
- -ility Testing



1/ Test Driven Development



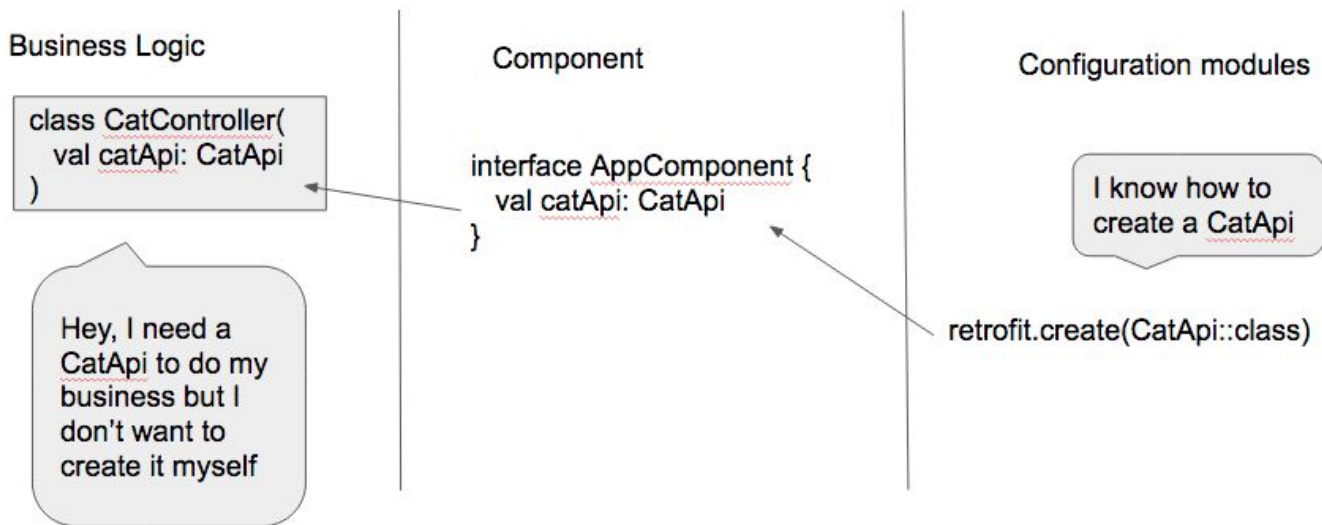


TDD can help solve:

- Over-engineering
- API feedback
- Logic errors
- Documentation
- Decomposing a solution
- Separate interface from implementation
- Agreement

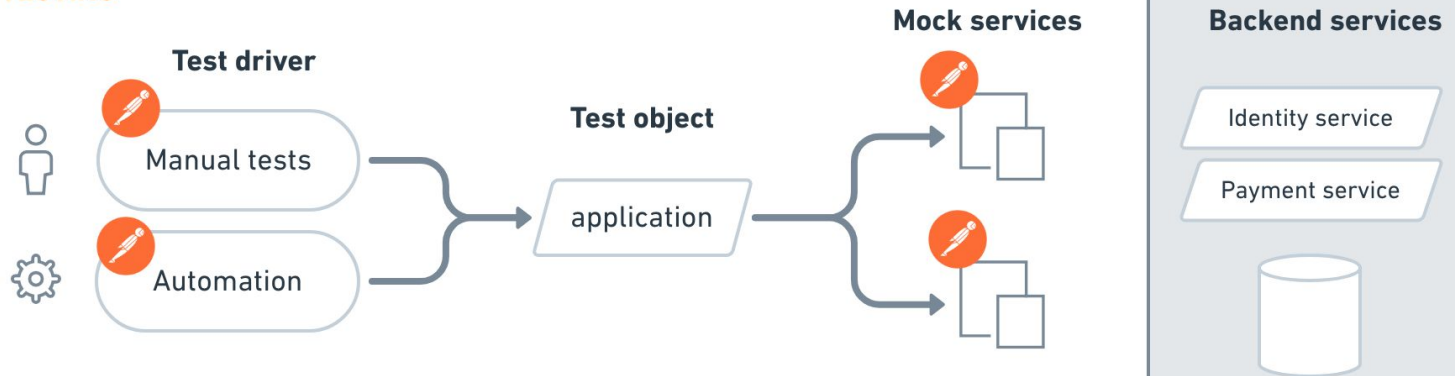
2/ Dependency injection and mocks

Dependency Injection Architecture

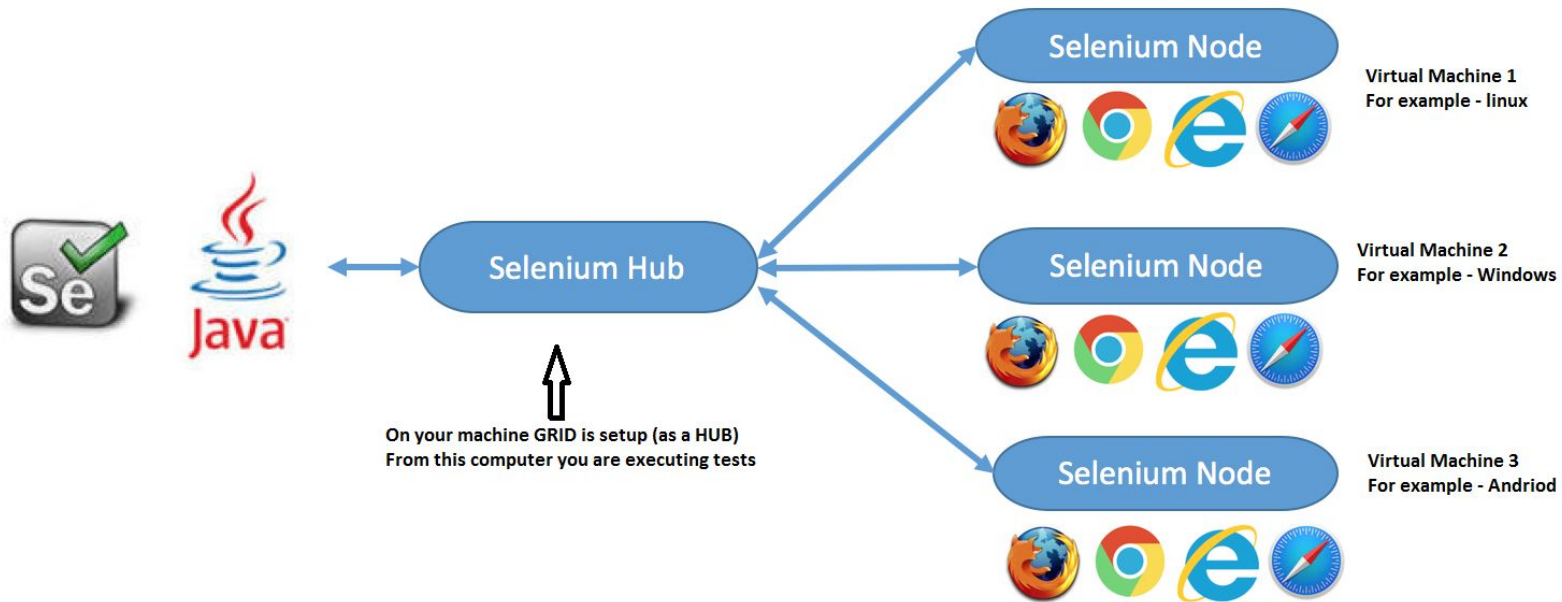


Mocks for continuous

TESTING



3/ Tools that can help



On your machine GRID is setup (as a HUB)
From this computer you are executing tests

<https://helpautomation.blogspot.com>

4/ Lightning round

Golden files

Visual regression testing

Baseline

This is a post title!



Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

Change

This is a post title!



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Diff

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DOM snapshot testing

Comments, questions?