

Stop Testing.

Start Storytelling.

Mike Schutte

Detroit ~~Craftsman~~ (Artisans? Roommates?) Guild

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@tmikeschu

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About Me

Detroit

Quikly (Rails, React, Node.js, Go)

environmental science -> sociology -> software development
University of Denver -> Indiana University -> Turing -> Quikly

runner, musician, reader, writer

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Goals

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Goals

perspective

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Goals

perspective
confidence

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Jason Lengstorf

@jlengstorf

Following



“Speaking isn’t about killing the butterflies in your stomach, it’s about making those fuckers fly in formation.”

This advice from [@GantLaborde](#) may be my new favorite quote on dealing with nervousness before going on stage.

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```
describe("Stop Testing, Start Storytelling", () => {
  before(() => {
    tmikeschu.prepareForTalk()
    tmikeschu.getButterfliesInFormation()
    meetup.garnerInterest()
    audience.map(showUp)
  })

  after(() => {
    audience.map(goHome).map(thinkDifferently)
  })

  it("gives people perspective on and confidence in testing", () => {
    const actual = audience
      .map(stopTestingStartStorytelling)
      .flat_map(takeAways).uniq
    const expected = ["perspective", "confidence"]
    expect(actual).toEqual(expected)
  })
})
```



```
describe "testing paradigms" do
  it "covers different testing paradigms" do
    actual = stop_testing_start_storytelling.testing_paradigms
    expected = ["test last", "test first", "test driven", "behavior driven"]
    expect(actual).to eq(expected)
  end
end
```

Testing Paradigms

bonus word: *para-dig-MAT-ic* (adj)

- a framework containing the basic assumptions, ways of thinking, and methodolog[ies] [for discovering new ideas] that are commonly accepted by members of a scientific community.¹

¹ <http://www.dictionary.com/browse/paradigm>

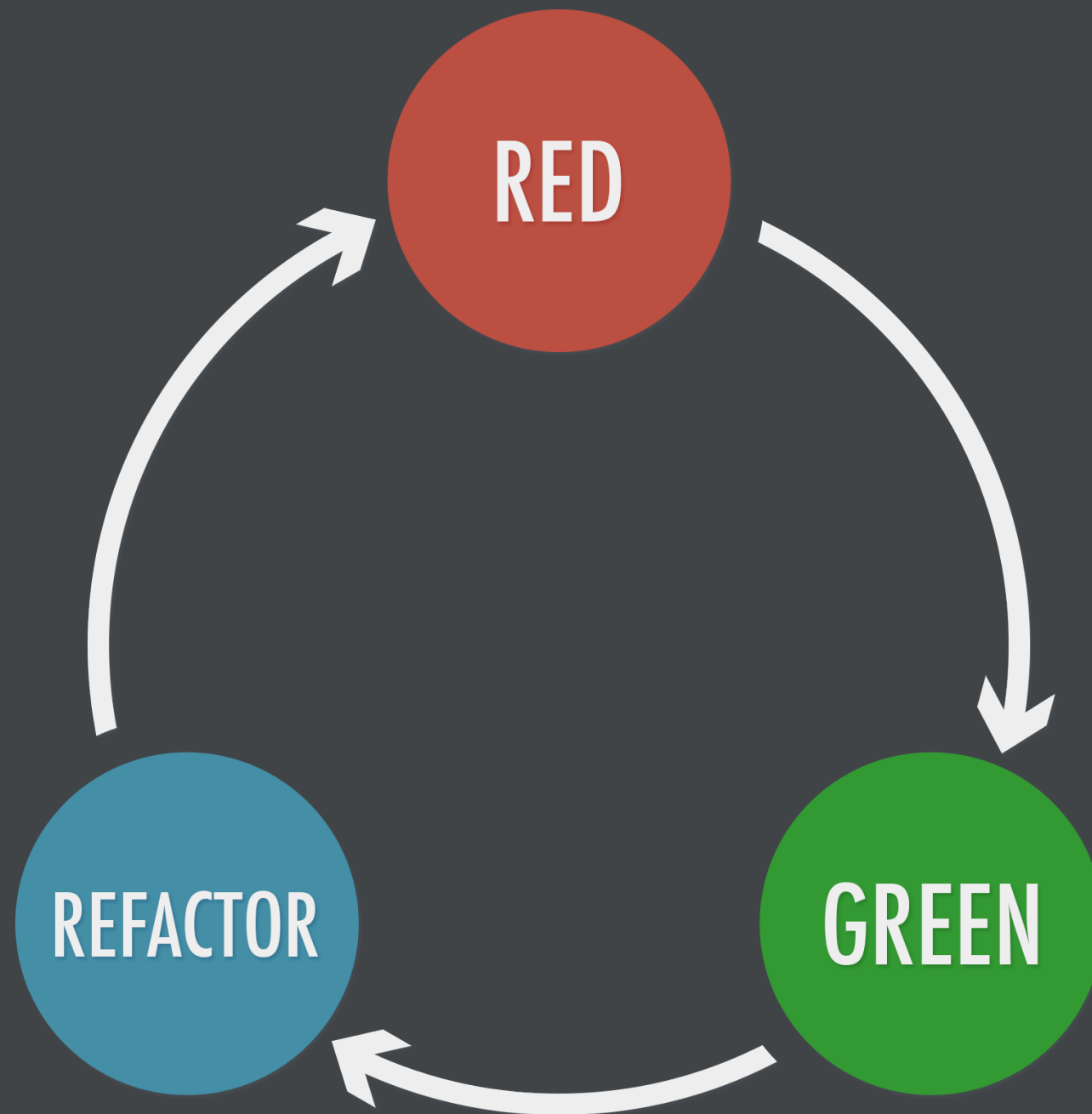
Test last

- The thing that's supposed to happen is the the thing that happens.
- ~> It's blue because it's blue 🤔.

Test last



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Test first

- Writing a test to fit an implementation

Test driven

Behavior driven

- Implementing code to fit a test
- *'Program to an interface, not an implementation'*
 - GOF

```
describe "testing paradigms" do
  it "covers different testing paradigms" do
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end
```


Storytelling and Software

*Software is **always** means to an end*

- Function to Feature
- (HINT: the end is to help users.)

```
func TestStoryTellingAndSoftware(t *testing.T) {  
    var (  
        actual    []string  
        expected []string  
    )  
  
    actual = stopTestingStartStorytelling.StorytellingAndSoftware()  
    expected = []string{"communication", "context", "abstraction", "encapsulation"}  
  
    if actual != expected {  
        t.Error("Expected talk to cover communication, context, abstraction, and encapsulation, got: ", actual)  
    }  
}
```

Storytelling and Software

- communication
- context
- abstraction
- encapsulation

Communication

Users communicate with software.

Let's make good listeners.

Context

- :cause && :effect
- More context = more understanding
- More understanding = more predictive power
- More predictive power = more confident decision-making
- More confident decision-making = more happiness!

Context

When we tell stories about our software, we write better software.

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Abstraction

- Touching a stove
- Breathing
- Muscle memory
- Literally every language

Encapsulation

We encapsulate our code, why not our thoughts?

- Too many jobs makes you bad at all of them.

Encapsulation

Code constrains clarity and imagination.

- Tests can be your compass home

Encapsulation

Meta alert!

- Programs solve problems
- Programming is a problem-solving process
- Maybe the principles that make better *programs* can also result in better *programming*?

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```

Still learning the DSL?

```
/*  
description: developers  
assert:      should be mindful of context  
  
actual:      perspective while implementing  
expected:    developer  
    actual should be the same as expected  
  
actual:      perspective while testing  
expected:    user  
    actual should be the same as expected  
*/
```

User  **Programmer**

Implementing

User  **Programmer**

Storytelling/testing

User **«X-----»** Programmer

```
/*  
description: developers  
assert:      should be mindful of context  
  
actual:      perspective while implementing  
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actual:      perspective while testing  
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Crowdsourcing Demo!

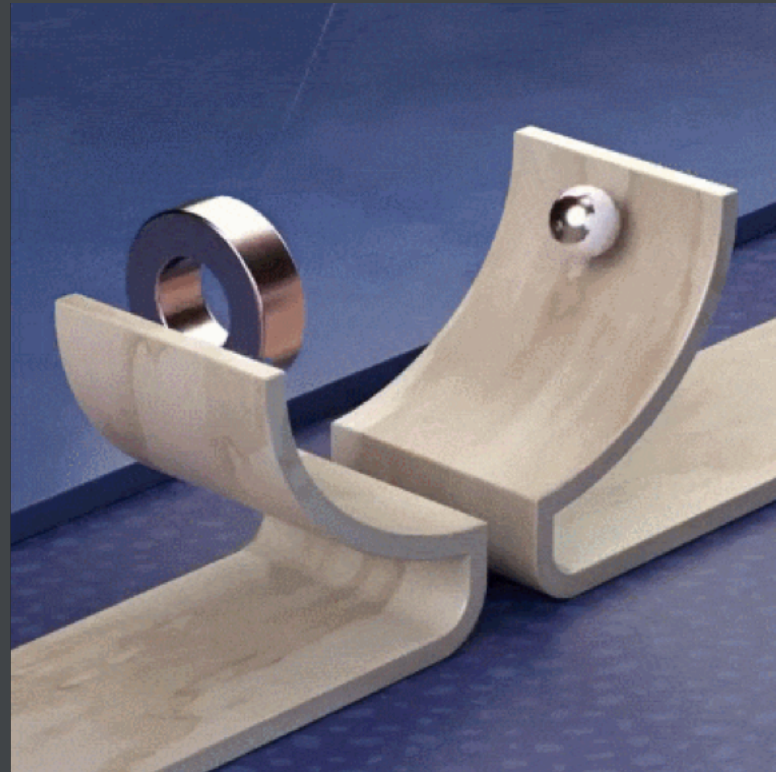


- 3 Nouns
- 1 Verb
- 1 Datatype

Wrap-up

- Testing is a *paradigmatic* process, not a product.
- Communication: build good listeners
- Context: enable confident decision making
- Abstraction: you're good at it, it let's you do cool stuff.
- Encapsulation: apply the same discipline to your process as you do to your code.
- Storytelling keeps you closer to users

Action Plan



- Develop a pendulum workflow between storyteller and developer.

```
describe("Stop Testing, Start Storytelling", () => {
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Thank you!

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