

Come Test-Drive With Me

(even if you can't drive yet)

Why we're here

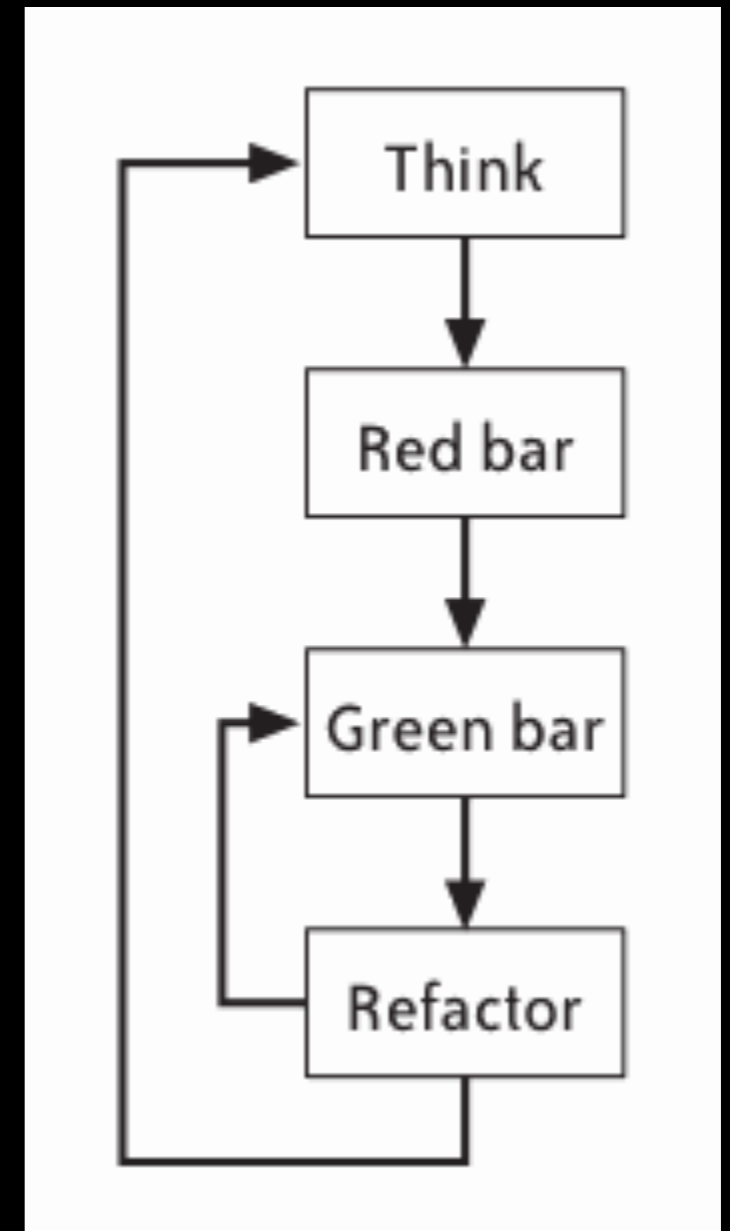
- Appreciated the invitation to non-programmers
- We're test-driving stuff
- Want to be more of an advocate for TDD
- To understand best/better practices in order to advocate
- To learn some stuff

Objectives (red bar)

- Do a little TDD
 - Test-Drive a bug fix
 - Test-Drive a new feature
- Feel the short-term value
- Learn the long-term value
- Understand the costs

TDD: Basics

- Red: write a test that fails
- Green: write *just* enough code to pass
- Refactor: clean up the design



https://www.jamesshore.com/Agile-Book/test_driven_development.html

Drivers: Assemble!

- 3-8 people needed to do the work
- One driver at a time
- Rotate every three minutes
- Everyone else:
 - Get close enough to hear *them* speak
 - Hold your questions until the debrief

Get to know the code

- Run it
- Run the tests
- Read the tests
- Read the code
- Exploratory Testing: Play with the app

(Find and) Fix the bug

https://github.com/msilpala/kotlin-wordcount/tree/after_agile_and_beyond_2019

- First add a test for it
- Make the test pass. Cheat for speed
- Refactor to clean up your cheat

Debrief

- What surprised you?
- What did you learn?
- What did you observe?
- What did you like or dislike?

Takeaways

- What did you observe about the app and tests?
 - It seemed really quick to add tests.

Add A Feature

- Make it work for multiple lines of input
- First: prove that it *doesn't* already work
- Then: make it work
- Finally: make it clean

Debrief

- What surprised you?
- What did you learn?
- What did you observe?
- What did you like or dislike?

Takeaways

Test Our Progress

- Do a little TDD
 - Test-Drive a bug fix
 - Test-Drive a new feature
- Feel the short-term value?
- Learn the long-term value
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TDD In the Real World

What have you heard and seen?

Test Our Progress

- Do a little TDD
 - Test-Drive a bug fix
 - Test-Drive a new feature
- Feel the short-term value
- Learn the long-term value
- Understand the costs

Further Learning

- Test-Driven Development, Kent Beck
- Test-Driven, Lasse Koskela
- TDD chapter from *The Art of Agile Software Development*, James Shore
- Meet-ups, consultants, coaches, other A&B sessions

Questions? Suggestions?

- Your ideas can be my next red bars for this workshop

<https://markus.silpala.com/blog>

Thank You!