



3 Non-Code Production Performance Improvements For Developers

How I turned
broken into working
without changing
my code

Created with love by
Jon Cram

<https://github.com/webignition/udiff-jan-2013>

Slide 1 of X

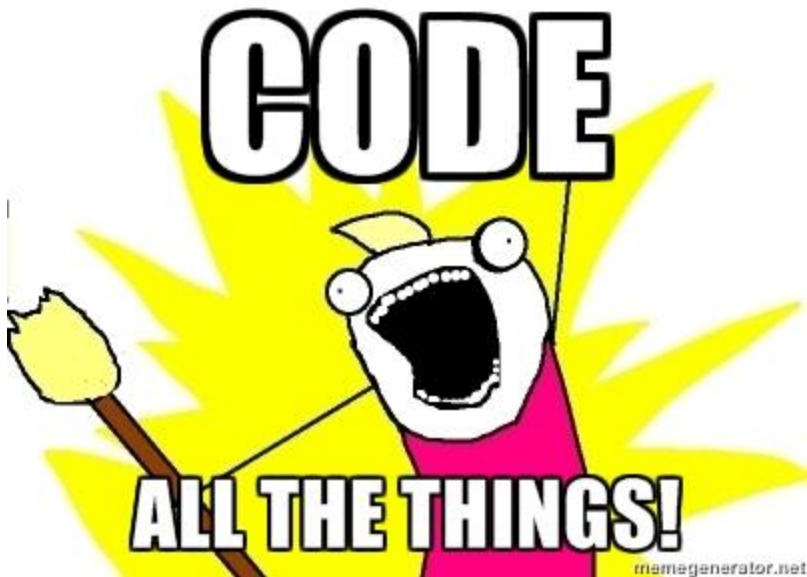


Jon Cram

- Professional software developer (Box UK, LGT)
- Got bored (made redundant)
- Built SimplyTestable.com for easy automated front-end web testing
- Encountered many an oddity when you build your own production environments

The Developer Problem-Solving Mindset

The Developer Problem-Solving Mindset



You use code to solve problems with your code!

The Developer Problem-Solving Mindset: Example!!!1!

Problem:

A DB-driven web page listing 20 articles takes 40 seconds to build; each article takes 2 seconds to load from DB.

The Developer Problem-Solving Mindset: Example!!!1!

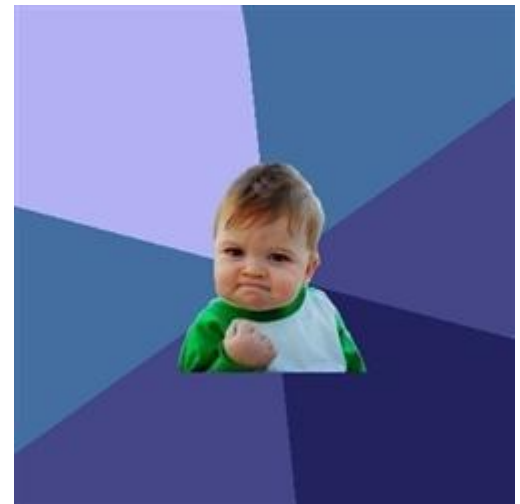
Problem:

A DB-driven web page listing 20 articles takes 40 seconds to build; each article takes 2 seconds to load from DB.

Solution:

Examine article model, read ORM docs; make article load in 0.1 seconds; page loads in 2 seconds.

<https://github.com/webignition/udiff-jan-2013>

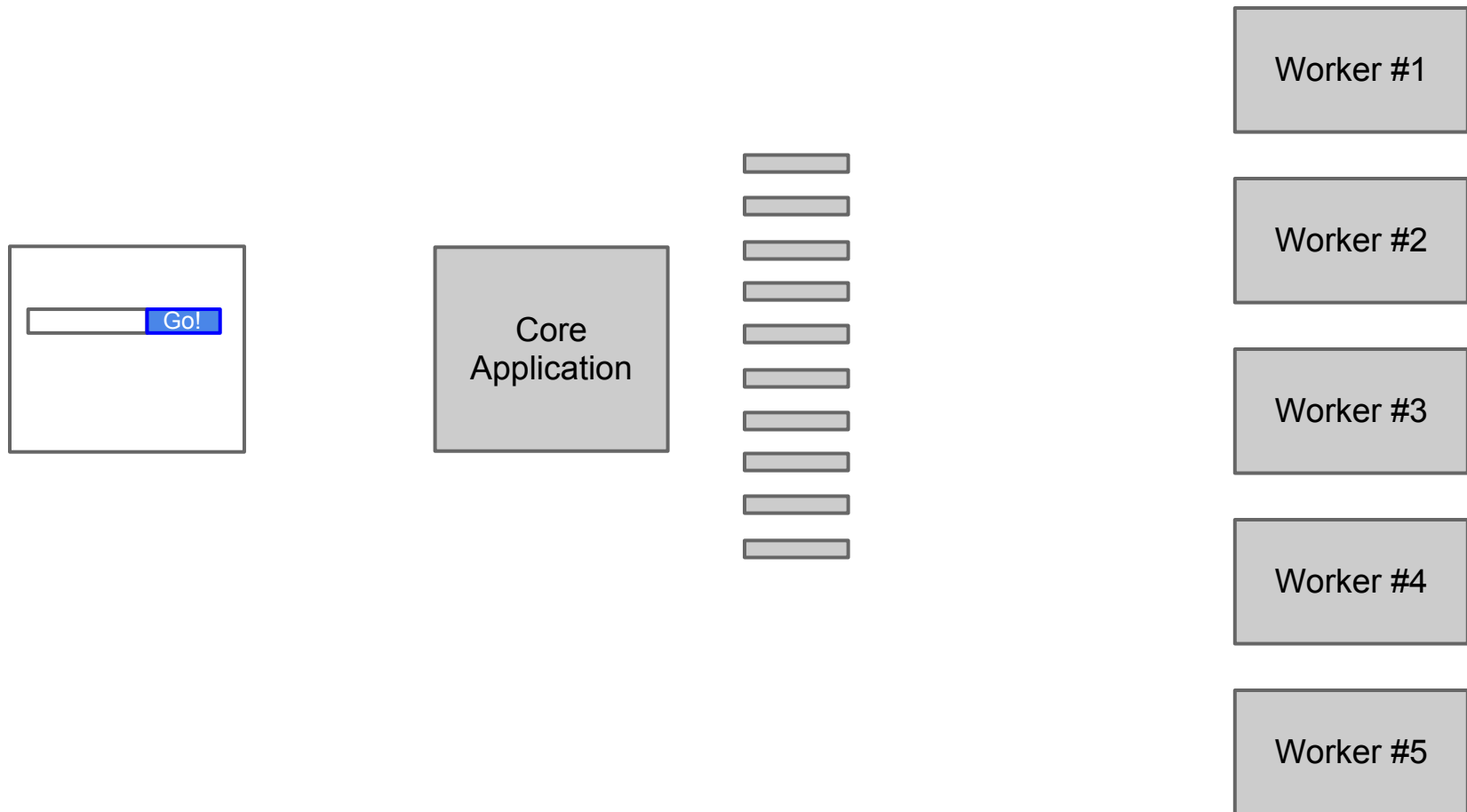


Non-Code Changes > Code Changes

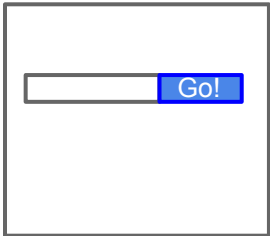
I fixed major system-wide performance problems without touching a line of code.

The results were orders of magnitude greater than any code change.

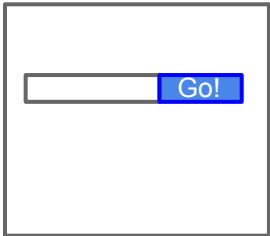
SimplyTestable.com Test System



SimplyTestable.com Test Lifecycle



SimplyTestable.com Test Lifecycle



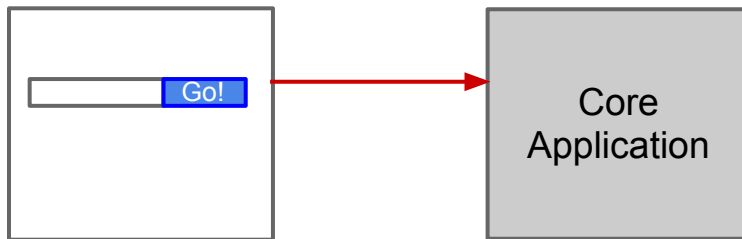
Internal HTTP
request count:

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<https://github.com/webignition/udiff-jan-2013>

Slide 1 of X

SimplyTestable.com Test Lifecycle



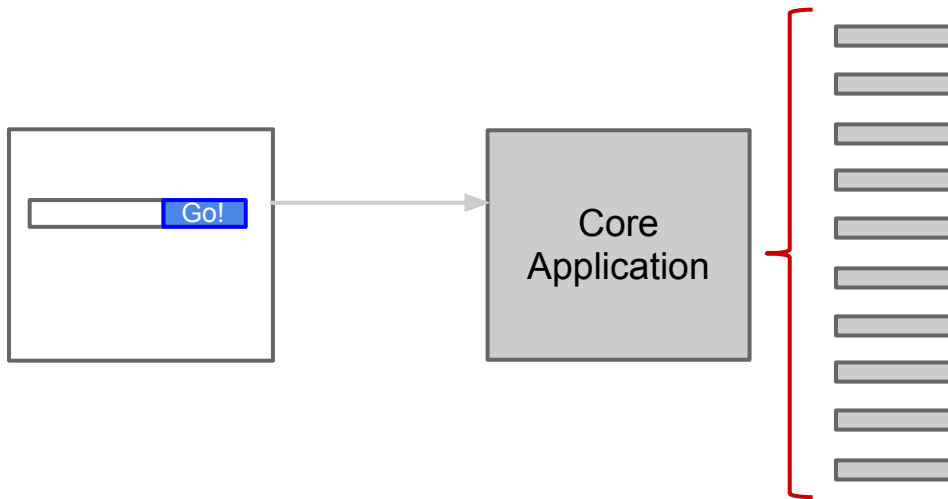
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<https://github.com/webignition/udiff-jan-2013>

Slide 1 of X

SimplyTestable.com Test Lifecycle



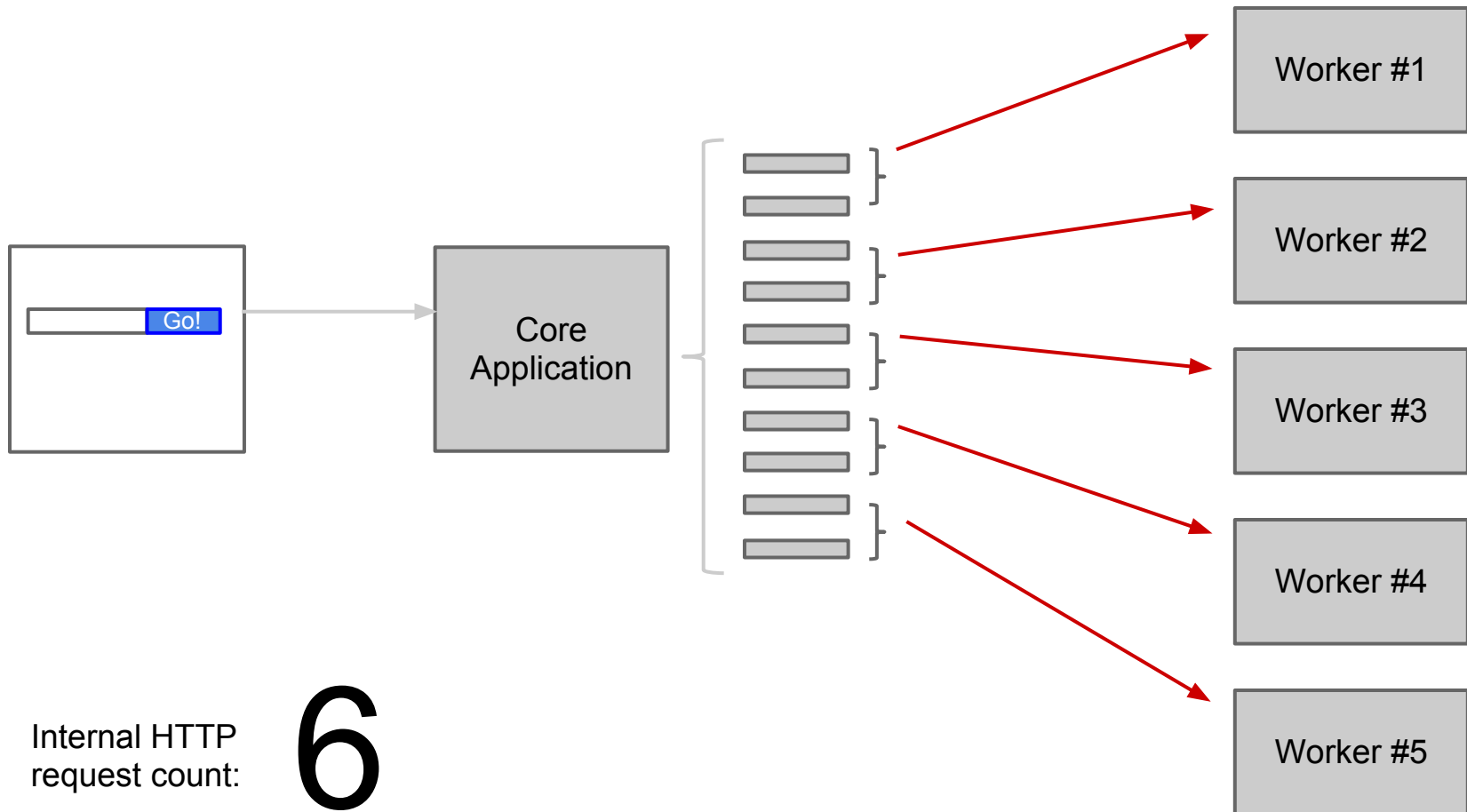
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Slide 1 of X

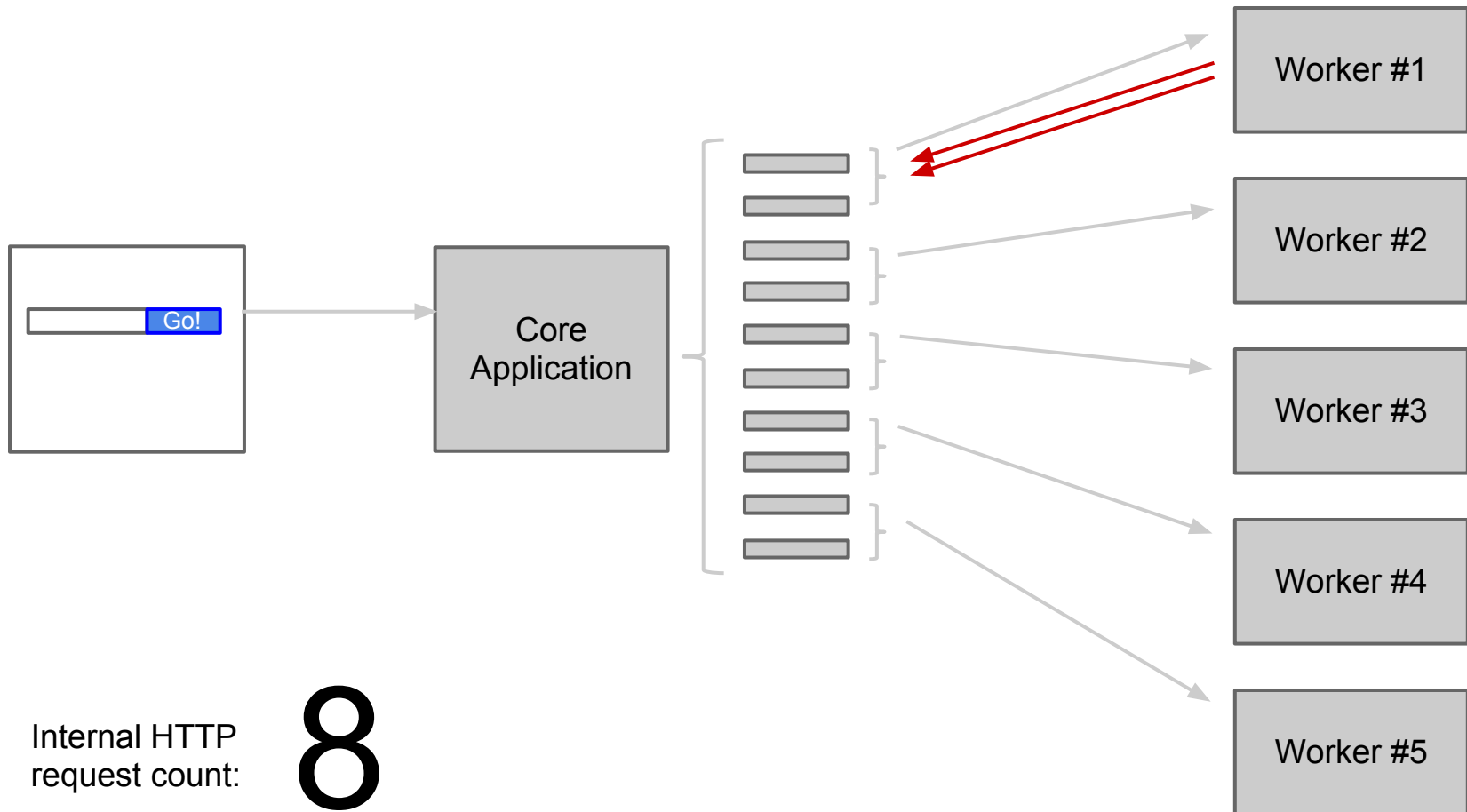
SimplyTestable.com Test Lifecycle



Internal HTTP
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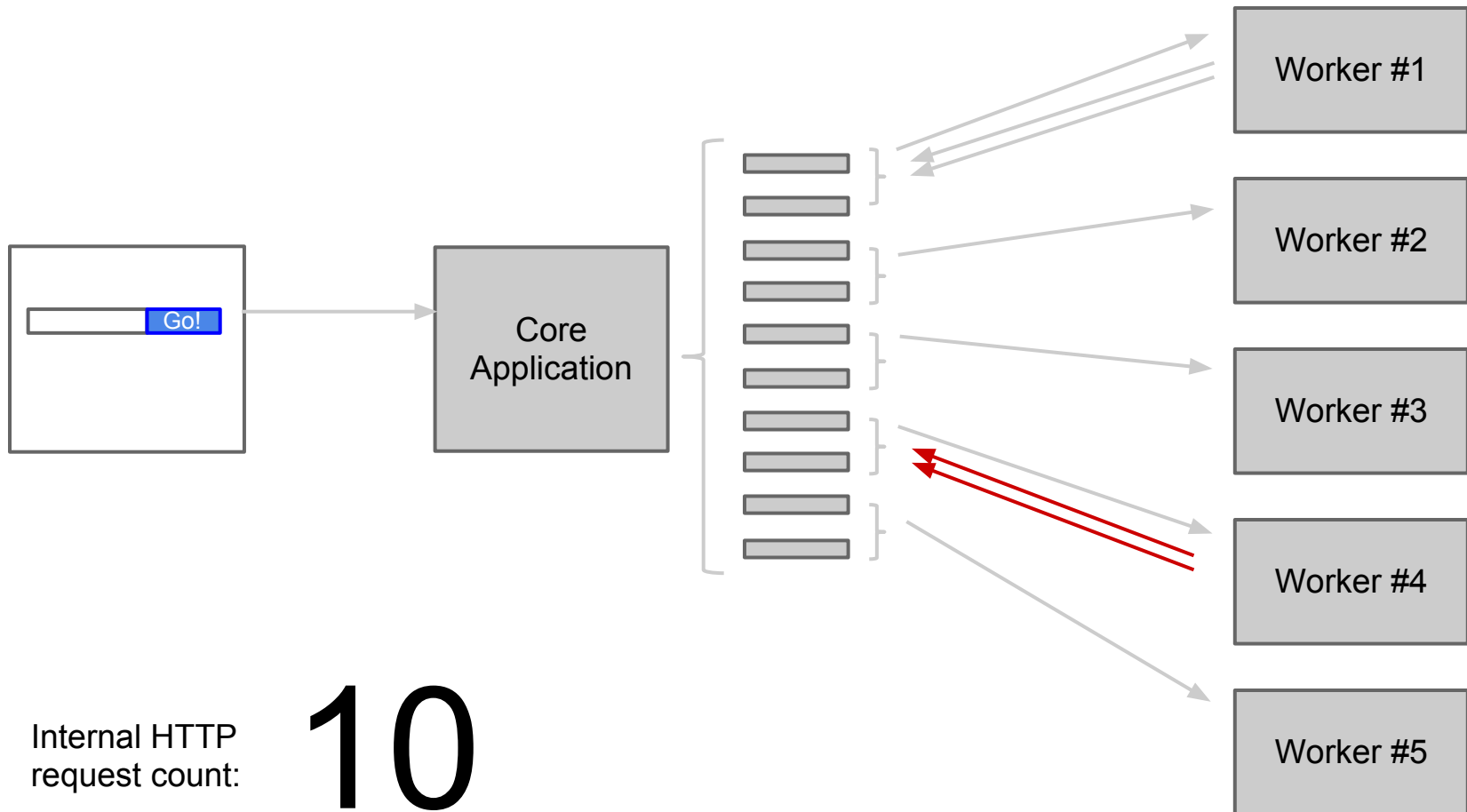
SimplyTestable.com Test Lifecycle



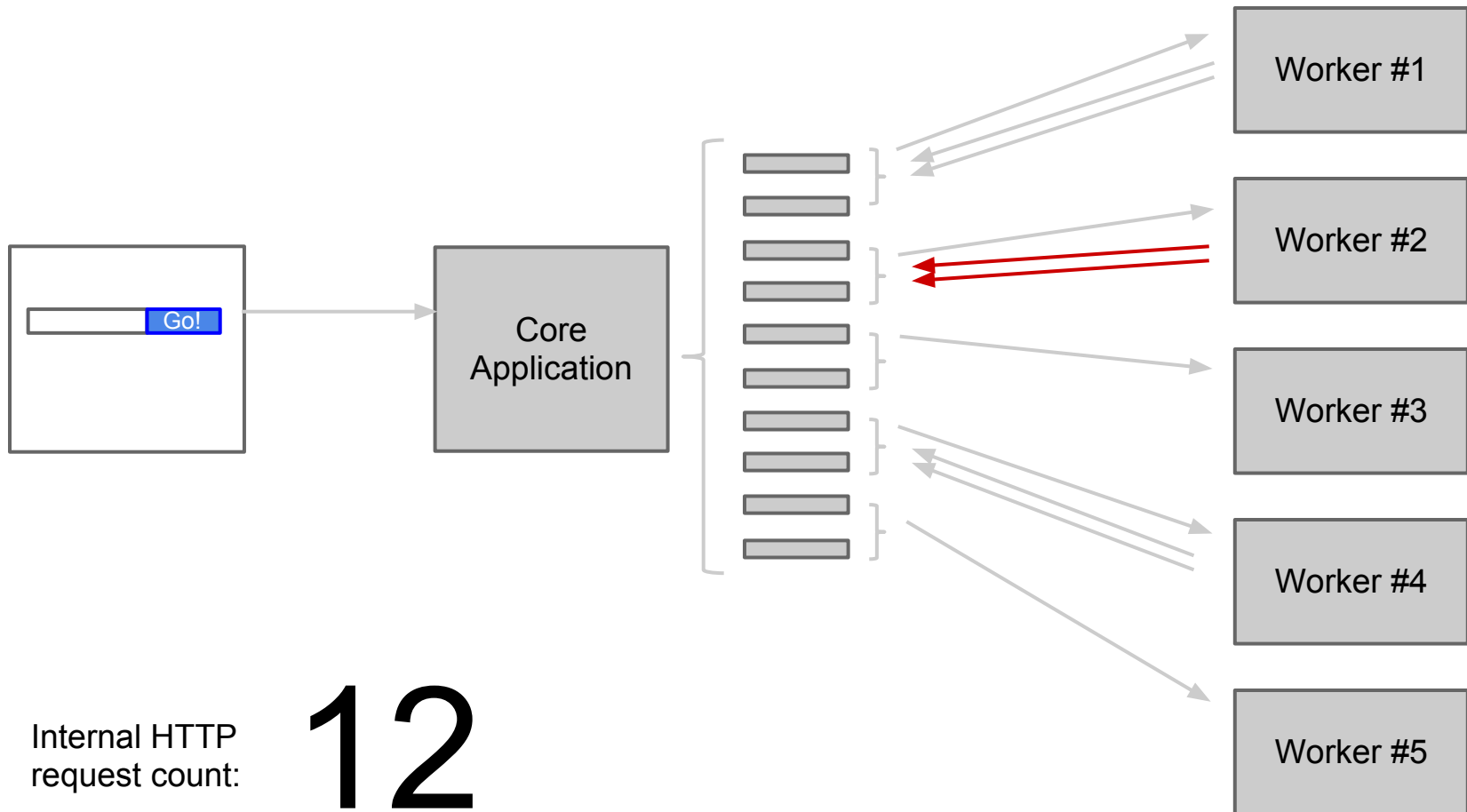
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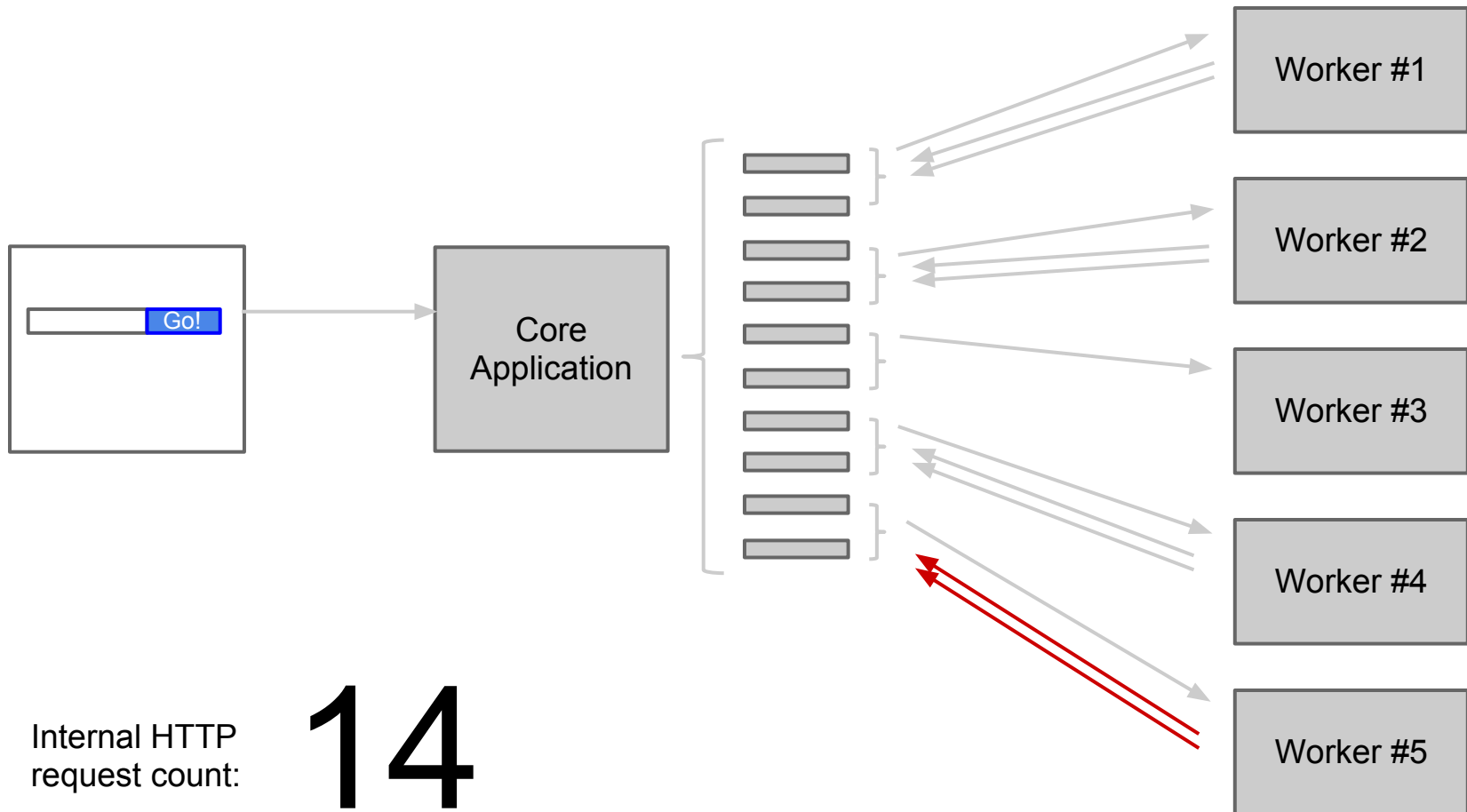
SimplyTestable.com Test Lifecycle



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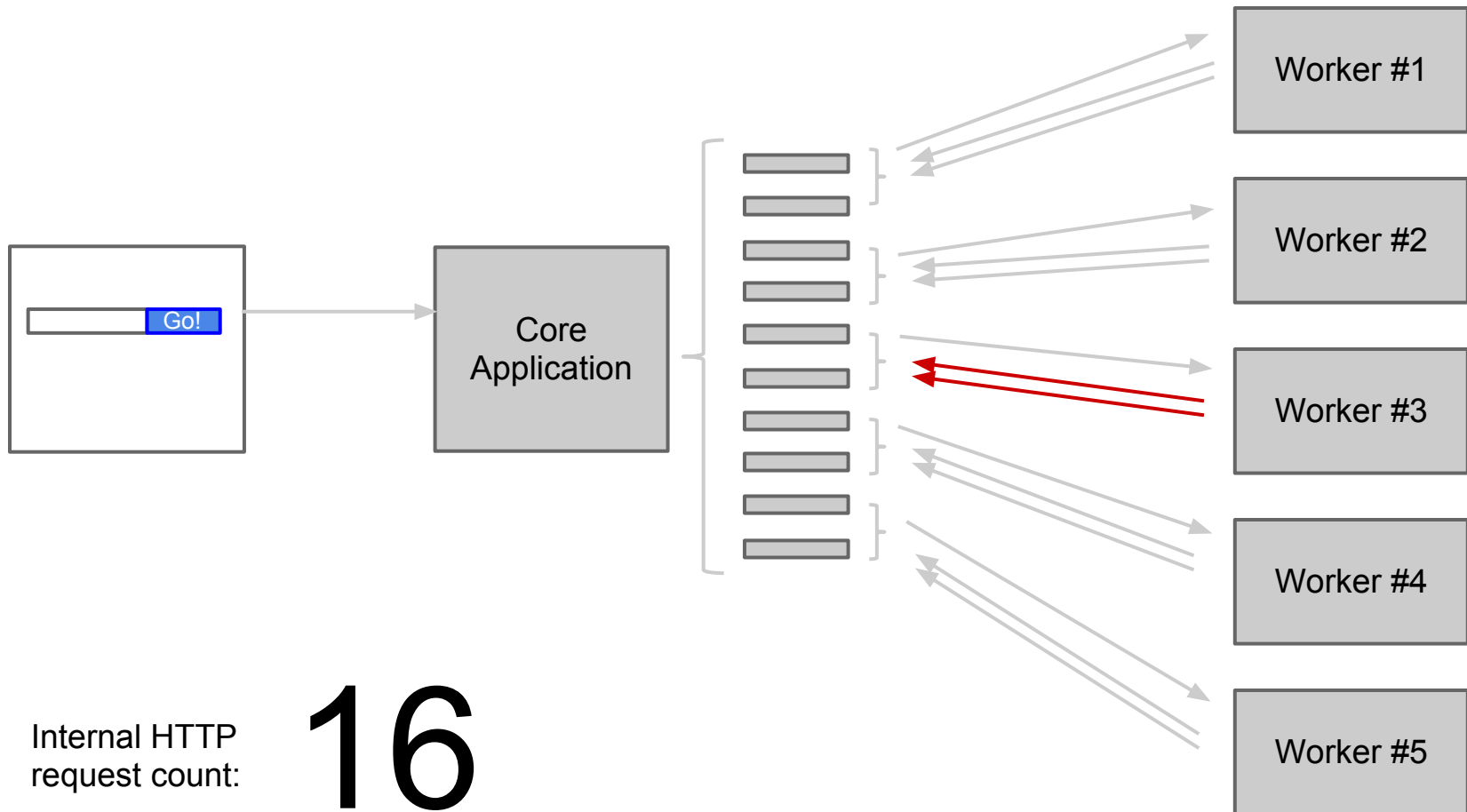
SimplyTestable.com Test Lifecycle



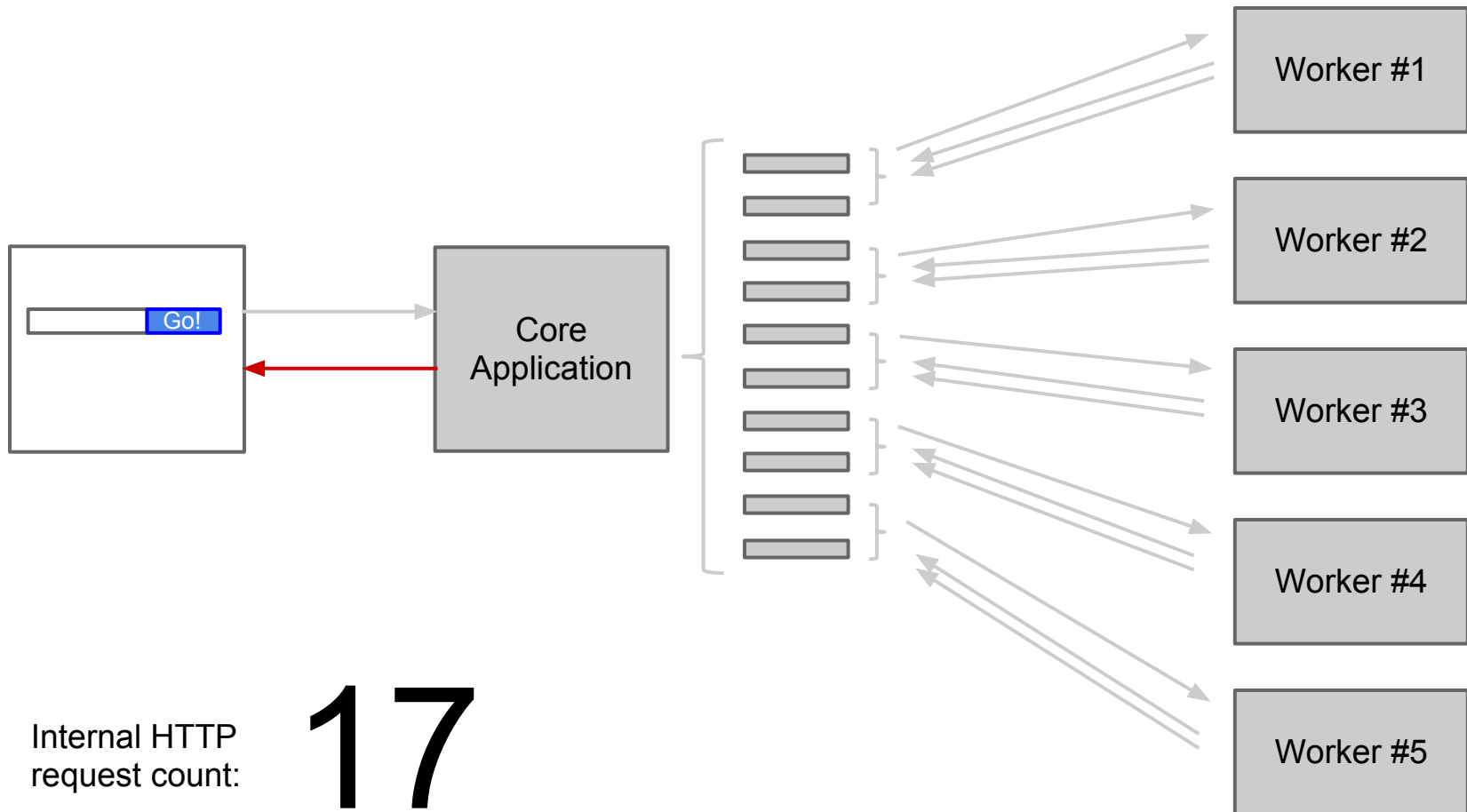
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SimplyTestable.com Test Lifecycle



SimplyTestable.com Test Lifecycle



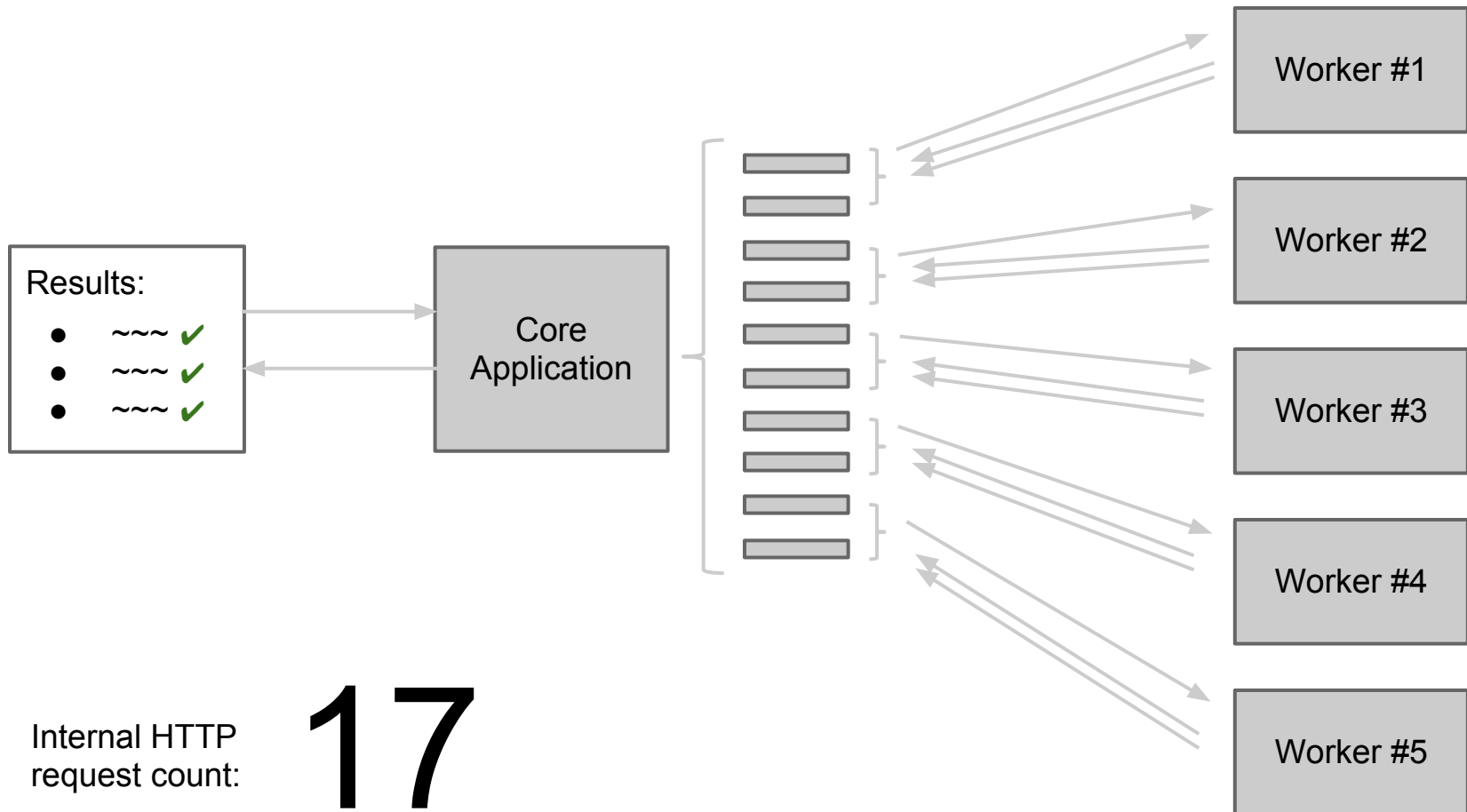
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Slide 1 of X

SimplyTestable.com Test Lifecycle



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