

Introduction to Agile

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Manifesto

* Manifesto for Agile Software
Development, 2001

* <http://agilemanifesto.org>

Individuals & interactions

over

processes
& tools

Agile “Individuals”

SUnit

TDD

XP

* Kent Beck

* Mike Beedle

* Arie van Bennekum

* Alice Cockburn

* Ward Cunningham

* Martin Fowler

* James Grenning

* Jim Highsmith

* Andrew Hunt

* Ron Jeffries

* Jon Kern

* Brian

* Robert C. Martin

* Steve Mellor

* Ken Schwaber

* Jeff Sutherland

* Dave Thomas

Wiki

Refactoring

Clean Code

OOA

Scrum

Pragmatic Programmer

Individuals & interactions

over

processes
& tools

Working software

over

comprehensive
documentation

Customer
collaboration

over

contract
negotiation

Responding to
change

over

following
a plan

Let's try...

- * How to choose a language?
- * How to deal with deadlines?
- * Can we outsource?
- * When is the first release?
- * How often to deploy?
- * What to test and when?

Agile principles

- * Satisfy customers by rapid delivery of valuable software
- * Welcome changing reqs, even late in dev
- * Deliver working software frequently
- * Business people and developers must work together daily
- * Projects are built by trusted professionals
- * Face-to-face conversation above other means
- * Working software is the measure of progress
- * Maintaining constant pace of dev indefinitely
- * Continuous attention to technical excellence & good design
- * Maximise the amount of work not done
- * Self-organising teams deliver best results
- * Regularly reflect and adapt yourselves

<http://www.agilemanifesto.org/principles.html>

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Methods and methodologies

- * eXtreme Prg
- * Scrum
- * Kanban
- * Lean
- * BDD
- * DDD
- * TDD
- * Pair prg
- * Refactoring



Logo from <https://www.scrum.org>

Scrum: the team

- * Product owner

- * adopts the users' PoV

- * adds user stories to the backlog

- * Devs

- * deliver PSIs

- * pass the ball back & forth

- * Scrum master

- * ensure progress

- * remove all distractions

Scrum: the events

- * Sprint

- * timeboxed iteration

- * Plan

- * max 4h

- * Daily stand-up

- * all come prepared

- * max 15m

- * Weekly review

- * demo

- * Weekly retro (SM!)

- * possible improvements

Scrum: the artefacts

- * Product backlog
 - * user stories
 - * requested features
 - * bugfixes
 - * todos
- * Sprint backlog
 - * same, but concrete & timeboxed
 - * todo/wip/proto/done

Scrum: the rest

- * Definition of done
 - * PO & devs agree beforehand
- * Burn down chart
 - * plotted weighted backlog
- * Spike
 - * exploratory mini-sprint
- * Planning poker
 - * sprint plan gamified
- * Scrum of scrums
 - * focus on impediments (for others)

Alternatives

- * Waterfall

 - * Req → Design → Code → Test

- * Whatever

 - * plan? what plan?

- * Hero programmer

 - * code in the basement

- * Specialised teams

 - * server/client, backend/frontend

Scrum at Project Software Engineering

Pitching

- * market fit
- * solid idea
- * clear focus
- * limited time
- * match the audience
- * only key points
- * more inspiration:

<https://medium.com/@JDcarlu/6-different-kinds-of-pitches-5d96a076b6df>

- * “trust me with your money”

MVP

- * Minimum Viable Product

- * one feature

- * killer feature

- * feature that works

- * demoable prototype

- * fake the rest

- * “you think this is cool? just wait”

Working demo

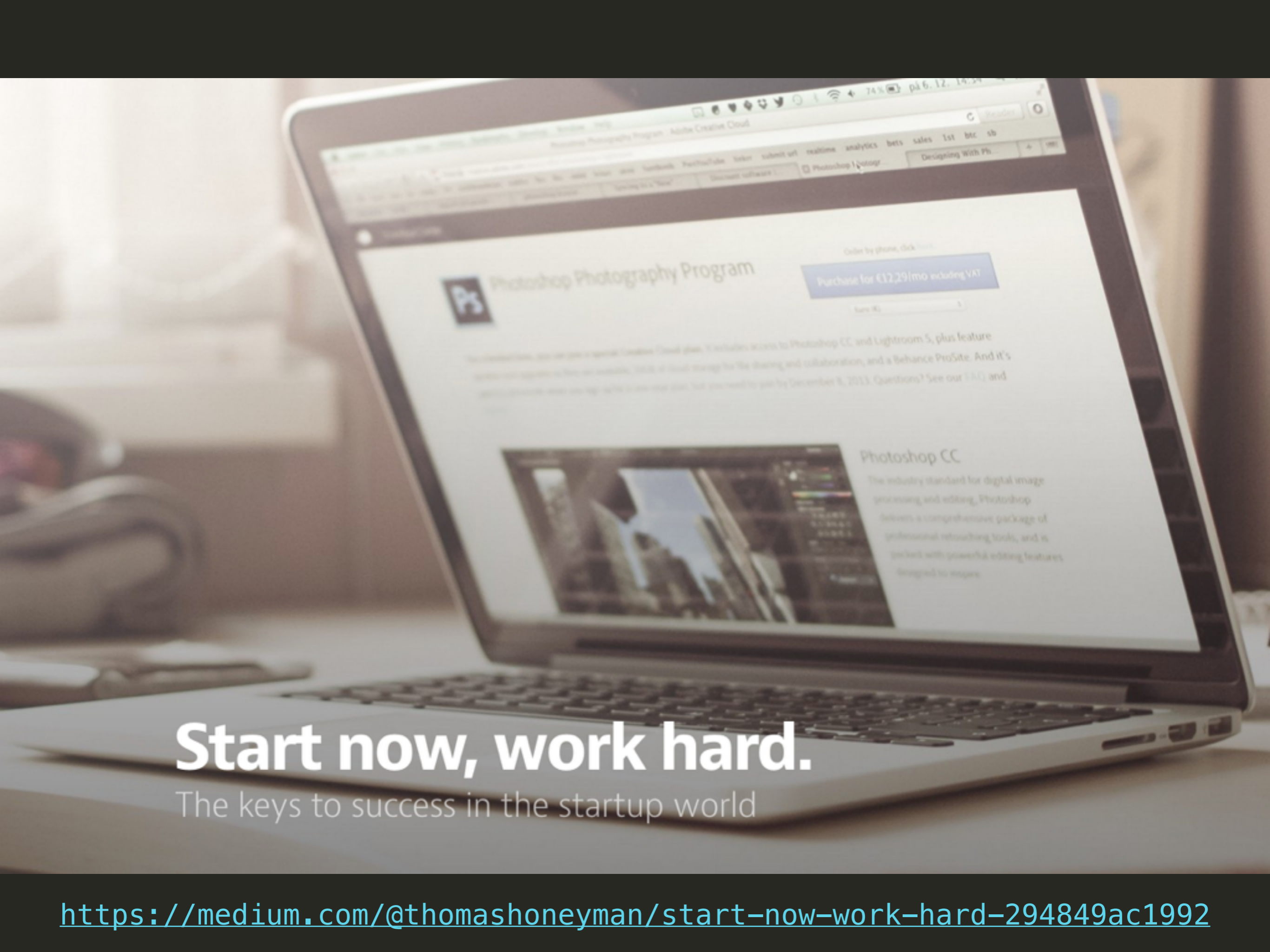
- * clear increment
- * new features, old bug fixes
- * planned vs completed
- * not too long
- * impressive
- * points of improvement
- * “it didn’t work, now it does”

Audits

- * Product owner manages
- * Everyone participates
- * Brag with the best
- * Explain the worst
- * Think globally

Final

- * project website
 - * goals, devs, etc
- * useful deliverable
 - * working, clear increments
- * quality work
 - * testing, etc
- * “we’re done”



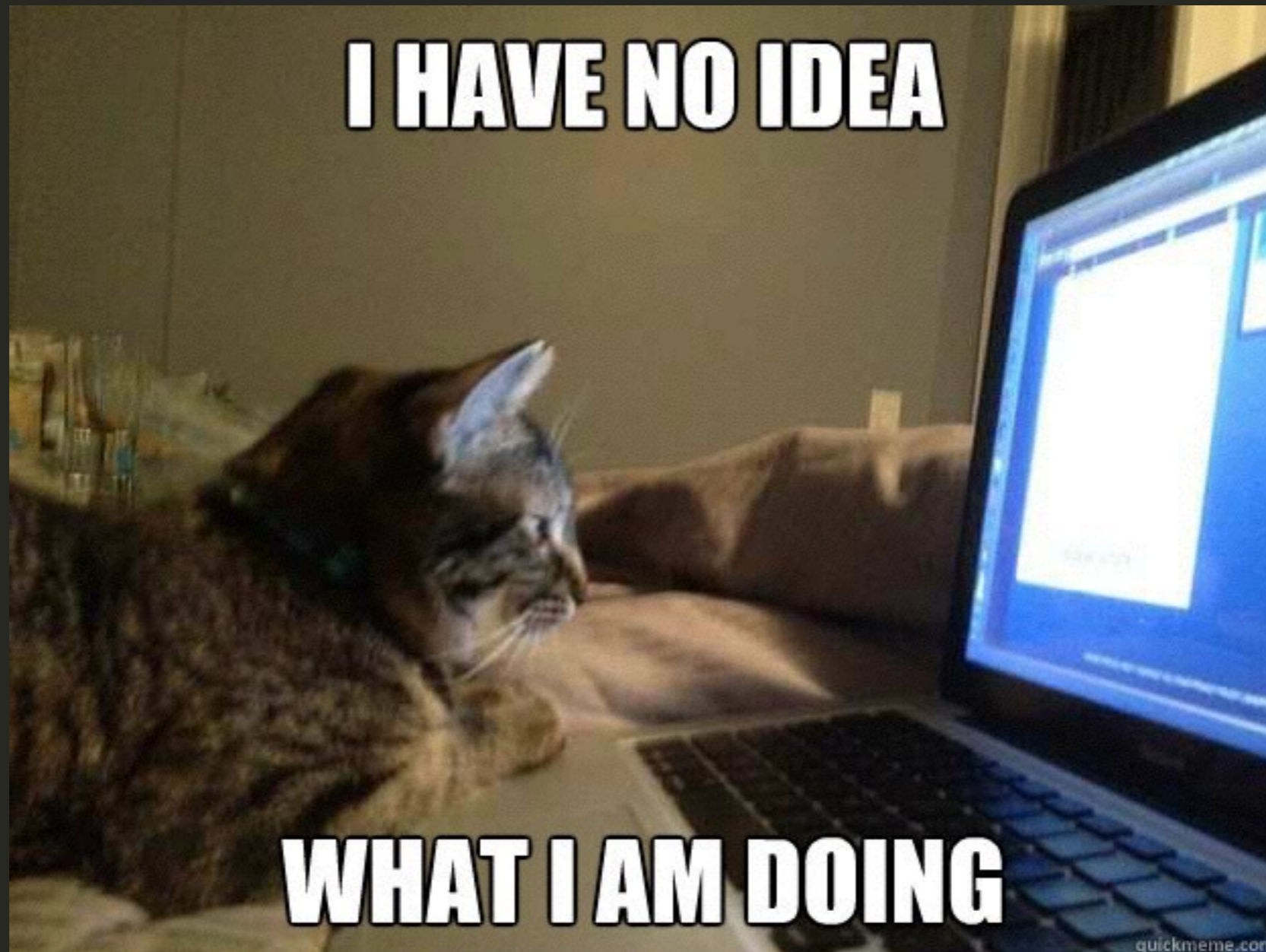
Start now, work hard.

The keys to success in the startup world

<https://medium.com/@thomashoneyman/start-now-work-hard-294849ac1992>

Agile problems

I am Scrum Master...



Real programmers...



Plan? But Agile!



Too much done...



Cool kids lingo

The Anti Agile Manifesto

We have suffered through countless consultants and hours of meetings. Through this we discovered that Agile is simply the obfuscation of common sense – the bewitchment of the mind through language. We have learned that

epics are really just projects
stories are really just use cases
sprints are really just work
stand-ups are really just meetings
iterations are really just versions
backlogs are really just to do lists
backlog grooming is really just planning
burn-down charts are really just earned value charts
velocity is really just output
and that tasks, in fact, are really just tasks.

Pro navigators



Daily stand-up

Why did I
drink so much
last night?

I was watching
cat videos on YouTube
all week...

When was the
last time any of you
commit any code?

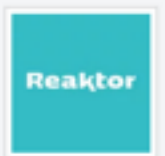


Too much poker





45:58 HD



One Hacker Way - Erik Meijer

from Reaktor PRO 6 months ago MATURE

One Hacker Way, a Rational Alternative to Agile
 Presented at Reaktor Dev Day 2014
reaktor.fi/blog/erik-meijer-software-eating-world/
reaktordevday.fi

Agile Manifesto

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1)

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2)

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4)

Scrum

8 people per team
1 product owner
1 scrum master
everyone works

weekly sprints
demos
backlog
daily stand-ups
retros

1: pitch
2: MVP
3: working
2&3: audits
4: dry run
4': final

start now
work hard
deploy early
deploy often
stay cool

Questions?

Don't forget to tweet-mention
[@grammarware](https://twitter.com/grammarware)!