Increase your capacity to deliver more value

SOFTWARE CRAFTSMANSHIP CLEAN CODE

Rims at creating a system that is easy to maintain and extend over time

WHO I AM?



@brunoboucard

Cofounder 42 skillz

With 30 years experiences in dev

A proven track record in Financial sectors

Agile Coach Developer

Software Designer & Pragmatic Developer

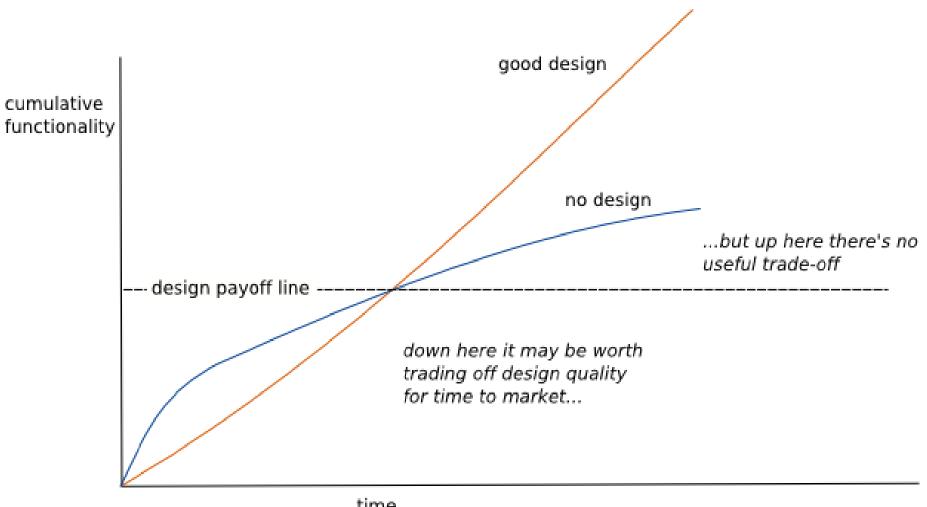
TDD, BDD & DDD fan boy

SOFTWARE CRAFTSMANSHIP WHY?



Many Agile projects, are often steadily and iteratively, producing crap code

SOFTWERE CRAFTSWENSHIP



time

http://martinfowler.com/bliki/DesignStaminaHypothesis.html

SOFTWARE CRAFTSMANSHIP A Brief History

The Pragmatic Programmer, 1999 Software Craftsmanship, 2001 Manifesto for Software Craftsmanship, 2009

The Clean Coder, 2011 The Software Craftsman, 2014











Manifesto for Software Craftsmanship

Raising the bar.

As aspiring Software Craftsmen we are raising the bar of professional software development by practicing it and helping others learn the craft. Through this work we have come to value:

Not only working software, but also well-crafted software

Not only responding to change, but also **steadily adding value**

Not only individuals and interactions, but also a community of professionals

Not only customer collaboration, but also **productive partnerships**

That is, in pursuit of the items on the left we have found the items on the right to be indispensable.

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BECOME A SOFTWARE CRAFTSMAN

Culture of testing

Professionalism

Responsibility

Humility

Practice Clean Code, TDD, Refactoring, BDD, DDD

and adhere to some values

Care for your craft

SHARING

Say "no" when necessary

CLEAN CODE DEFINITION

I could list all of the qualities that I notice in clean code, but there is one overarching quality that leads to all of them

Clean code always looks like it was written by someone who cares

Michael Feathers, author of Working Effectively with Legacy Code







BROKEN WINDOW THEORY



- o Use Intention Revealing Names
- o Use pronounceable names
- o No magical number
- o Avoid Encoding (Hungarian notation)
- o Avoid Mental Mapping
- o Class names
 - o Use only nouns
 - o Avoid words like Manager, Data, Info
- o Method Names
 - o Must contain a verb





In grobulty on supplies that Americans are
only 195 of \$1.000 perceive in the Control of the Con

JSA TODAY's website keeps you current 24/7. Check now for:

USA TODAY Snapshots® The green ride

■ CEO pay See pay for 250 CEOs at money usatoday.com ■ Signing day Top 100 players ■ Lifeline Live

Feds' cash brings a \$500K limit

Salary cutoff affects businesses getting taxpayer rescue from the second properties of the second properties for th

The Washington Post

rahams to sell The Post

NEW OWNER: AMAZON FOUNDER BEZOS TO BUY FLAGSHIP PAPER

THE DEAL: FAMILY KEEPS SOME ASSETS IN \$250 MILLION SALE

NEWSROOM LEADERS RETAINED

Chief executive

is noted for patience

THEGRAHAMS 'We have loved the paper'

The Washington Post through the year

tastes 'almost' like beef.

Burger a la Jetsons? Lab patty | On Egypt visit, U.S. diplomat

pushes for end to stalemate

0

DostPuints + + + 7

BEHIND EVERY PLAY, A NATION. March 5th - 23rd. 39 games. 16 teams. One champion.

Yankees' Rodriguez receives suspension through 2014

Plan of attack Al-Oneda leader Aymon

are a greater threat than our shows. A2

al-Zawahiri ordered the head of the group's Yernen affiliate to carry out a terrorist attack,

COMMENTS

"Don't comment bad code—rewrite it"

Brian W. Kernighan, The Elements of Programming Style

- Express your intention
- o Do not write redundant comments
- o Inaccurate comments
- o TODO comments
- o Commented-Out Code



DRY, YEGNI, KISS







Don't Repeat Yourself

You Ain't Conna Need It

Keep It Simple, Stupid

BOT SCOUT RULE



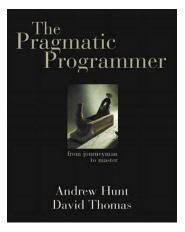
BOY SCOUT RULE

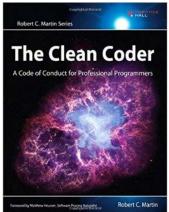
Leave your code better than you found it.

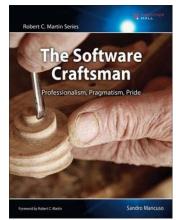
Only talk to your immediate friends!

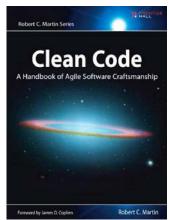
```
public void ShowPhoneNumber(PhoneBook phoneBook)
  var phoneNumber = phoneBook.GetNumber("John");
  var withAreaCode = phoneNumber.GetNumberWithAreaCode();
  Console.WriteLine(withAreaCode);
public void ShowPhoneNumberBetter(PhoneBook phoneBook)
  var withAreaCode = phoneBook.GetNumberWithAreaCode("John");
  Console.WriteLine(withAreaCode);
```

BOOKS









- The Pragmatic Programmer
 Andrew Hunt & David Tomas
- o The Clean Coder

 Robert C. Martin
- The Software Craftsman
 Sandro Mancuso
- Clean Code, A Handbook of Agile Software Craftsmanship Robert C. Martin

