

# THE SOFTWARE CRAFTSMAN

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## WHAT ?



NOT A RELIGION  
NOT A METHOD

WORKING CODE = THE MINIMUM FOR A PROFESSIONAL

GOOD SENIOR DEVELOPER CODE

80'S

NOW

NOBODY UNDERSTAND  
THE CODE

- CLEAN
- HUMAN READABLE
- DOMAIN LANGUAGE

"CRAFTSMANSHIP OVER CRAP" - ROBERT C. MARTIN

## IDEOLOGY

WHAT MODERN DEVELOPERS DO

- DEVELOP
- TEST
- ANALYZE
- MAKE TECHNICAL CHOICES
- HELP CLIENT
- RECRUIT
- ...



LOWER THE COST OF QUALITY

### AGILITY

HOW TO BUILD THE RIGHT THING

FOCUS ON THE PROCESS CUSTOMER CENTRIC

DOES NOT MAKE DEVELOPERS BETTER

### CRAFTSMANSHIP

HOW TO BUILD THE THING RIGHT

## WHAT ?

BE PROUD TO BE A DEVELOPER

DEVELOPMENT IS A CRAFT

LEARNING FROM OTHERS

OWN YOUR CAREER VS "PETER'S PRINCIPLE"

CONSTANTLY SHARING



A LONG JOURNEY TO MASTERY

CARING ABOUT WHAT THEY DO

RESPONSIBILITY / PROFESSIONALISM / PRAGMATISM / PRIDE

"ONLY INCOMPETENT PEOPLE  
ARE SCARED TO LOSE THEIR JOB"



ADVANCEMENT  
SUCCESS

ADVANCEMENT  
FAILURE

## MANIFESTO FOR SOFTWARE CRAFTSMANSHIP - 2008

1 NOT ONLY WORKING SOFTWARE, BUT ALSO WELL-CRAFTED SOFTWARE

WELL-CRAFTED = HIGH QUALITY CODE

- AUTOMATED TESTS
- BUSINESS LANGUAGE IN THE CODE
- SIMPLE DESIGN



"CODE QUALITY IS NOT A GUARANTEE OF SUCCESS  
BUT CAN BE THE MAIN CAUSE OF FAILURE"

2 NOT ONLY RESPONDING TO CHANGE, BUT ALSO STEADILY ADDING VALUE

CONSTANTLY IMPROVE YOUR CODE

- TESTABLE
- EXTENDABLE
- REFACTOR



### BOY SCOUT RULE

"ALWAYS LEAVE THE CAMPGROUND CLEANER THAN  
YOU FOUND IT."



3 NOT ONLY INDIVIDUALS AND INTERACTIONS, BUT ALSO A COMMUNITY OF PROFESSIONALS

SHARE / MENTOR

- KNOWLEDGE
- IDEAS
- SUCCESSES AND FAILURES



CRAFTSMEN WANT TO WORK WITH  
PASSIONATES & INSPIRING PROFESSIONALS  
A.K.A OTHER CRAFTSMEN

4 NOT ONLY CUSTOMER COLLABORATION, BUT ALSO PRODUCTIVE PARTNERSHIPS

WE ARE NOT FACTORY WORKERS

- MUST HELP OUR CLIENTS
- MUST SAY NO FOR CLIENTS GOOD



SOME CLIENTS ARE NOT READY :  
VERY DIFFICULT ENVIRONMENT FOR CRAFTSMEN

REDUCE THE GAP BETWEEN THE AGILE METHODOLOGIES AND THE TECHNICAL WORLD

## ATTITUDE

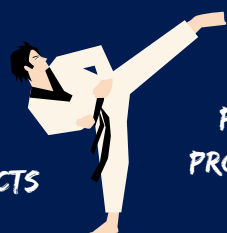
## PRACTICE / PRACTICE / PRACTICE

PRACTICE THROUGH



CODE KATAS

OPEN SOURCE PROJECTS



PAIR/MOB  
PROGRAMMING

PET PROJECTS

DISCOVERY

MOTIVATION  
EXTRINSIC  
SOMEONE WANTS YOU TO DO IT

POSITIVE  
MOTIVATION TOWARDS A GOAL

"MAKE THIS PROJECT SUCCESSFULLY  
AND YOU GET A BONUS"

"I REALLY WANT TO WORK ON  
THIS PROJECT"

INTRINSIC  
YOU WANT TO DO IT

"DO THIS PROJECT OR  
YOU ARE FIRED"

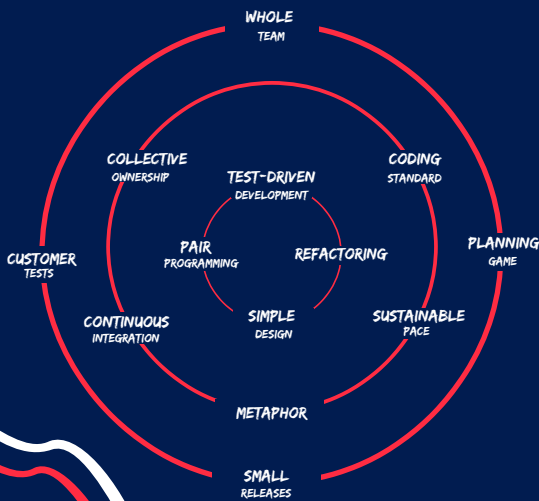
"I REALLY DON'T WANT TO WORK  
ON THIS PROJECT"

NEGATIVE  
MOTIVATION AWAY FROM SOMETHING

## PRACTICES

## CONTINUOUS LEARNING

### EXTREME PROGRAMMING



INJECT PASSION

CREATE A  
CULTURE OF IMPROVEMENT

IMPROVE

BROWN BAGS

BOOK CLUB

LIGHTNING TALKS

COMMUNITIES OF PRACTICE



CREATE A  
CULTURE OF SHARING

LEAN COFFEES

CODE REVIEWS

