

lessons learned Practices and Principles of Software Design



2021

@majcon

INTERNAL - VIOLATES DPA



“*This training is way more than just applying clean code. I really had a lot of fun while learning so much!*”



DAMIR MAJER
Founder & Technical Lead
Majer Consulting, Munchen (DE)



Thank you...

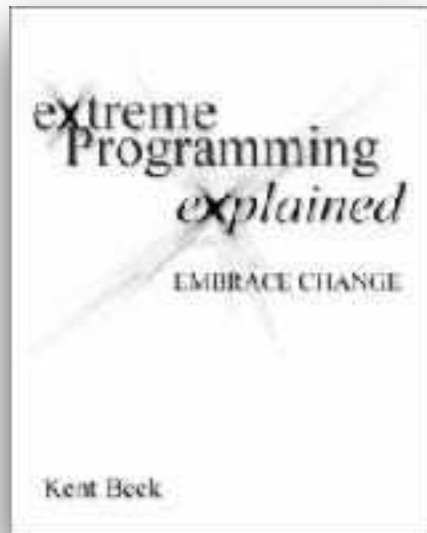
for inviting me



for training me



Simple Design



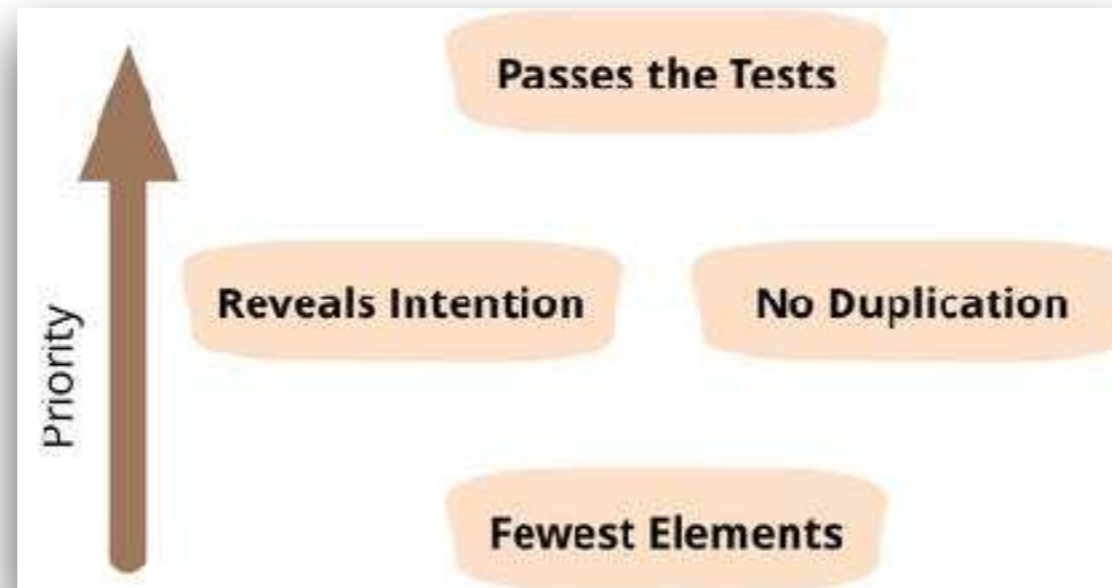
“The right design for the software at any given time” -

Kent Beck

[Extreme Programming explained - Page 57]

- ▶ “Runs all tests”
- ▶ “Has no duplicated logic”
- ▶ “States every intention important to the programmers”
- ▶ “Has the fewest possible classes and methods”

Simple Design



“What I like about these rules is that they are very simple to remember, yet following them improves code in any language or programming paradigm that I’ve worked with.” - **Martin Fowler**

[<https://martinfowler.com/bliki/BeckDesignRules.html>]



4 Rules of Simple Design

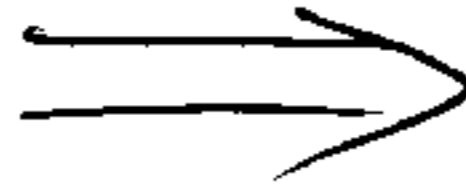
"I grew up (as a programmer) with these rules, and they have guided me well."

J.B. Rainsberger

[<https://blog.thecodewhisperer.com/permalink/putting-an-age-old-battle-to-rest>]

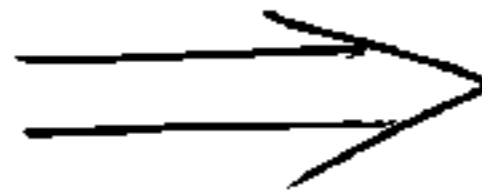


remove
duplication



structure
emerges

improve
names



redistribute
responsibilities



remove
duplication



improve
names



structure
emerges

new structures need names



redistribute
responsibilities



remove
duplication



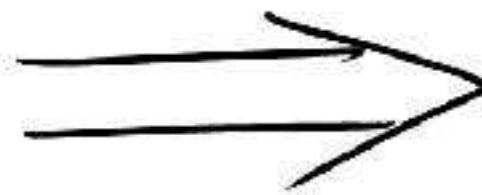
improve
names



structure

emerges

new structures need names



~~redistribute~~

~~responsibilities~~

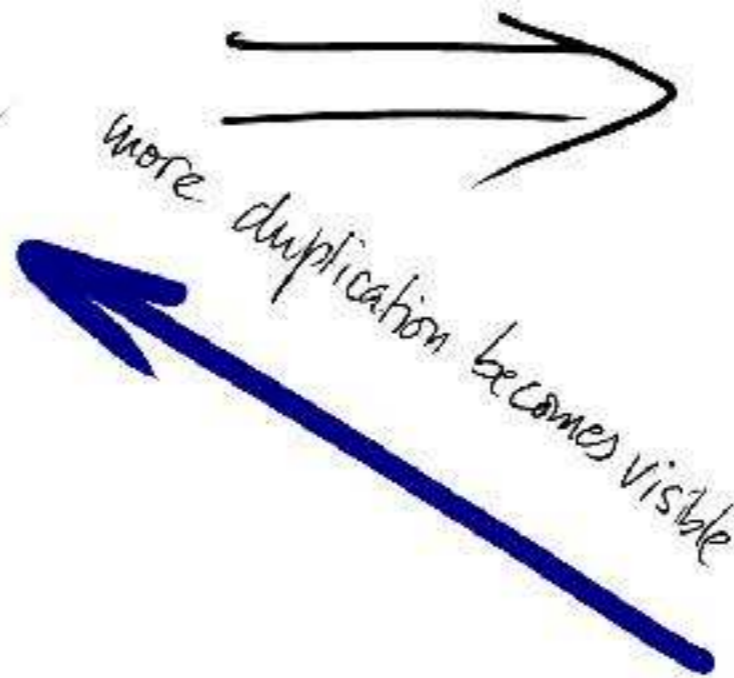
abstractions
emerge!



remove
duplication

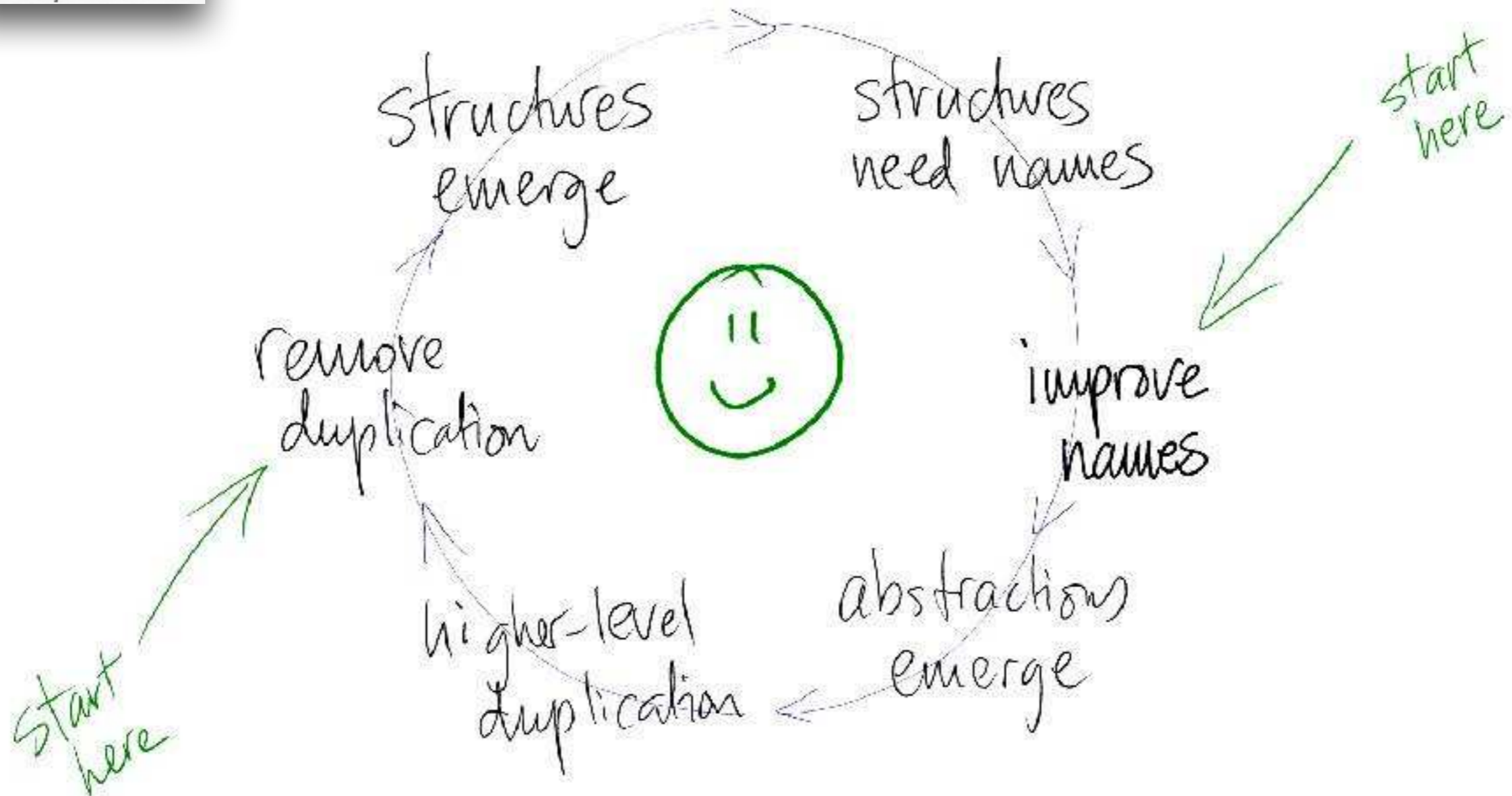


improve
names

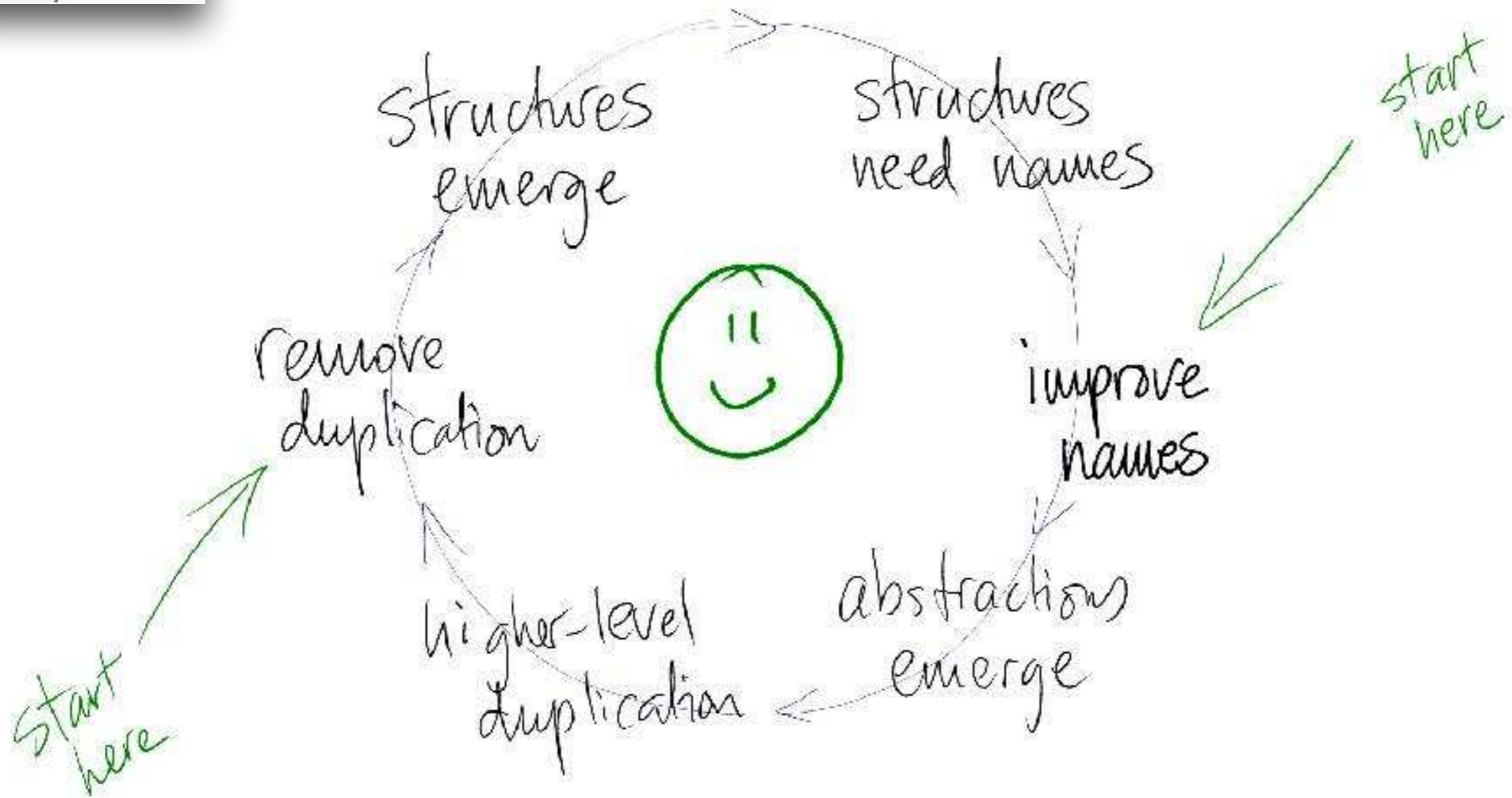


structure
emerges

abstractions
emerge



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inspires

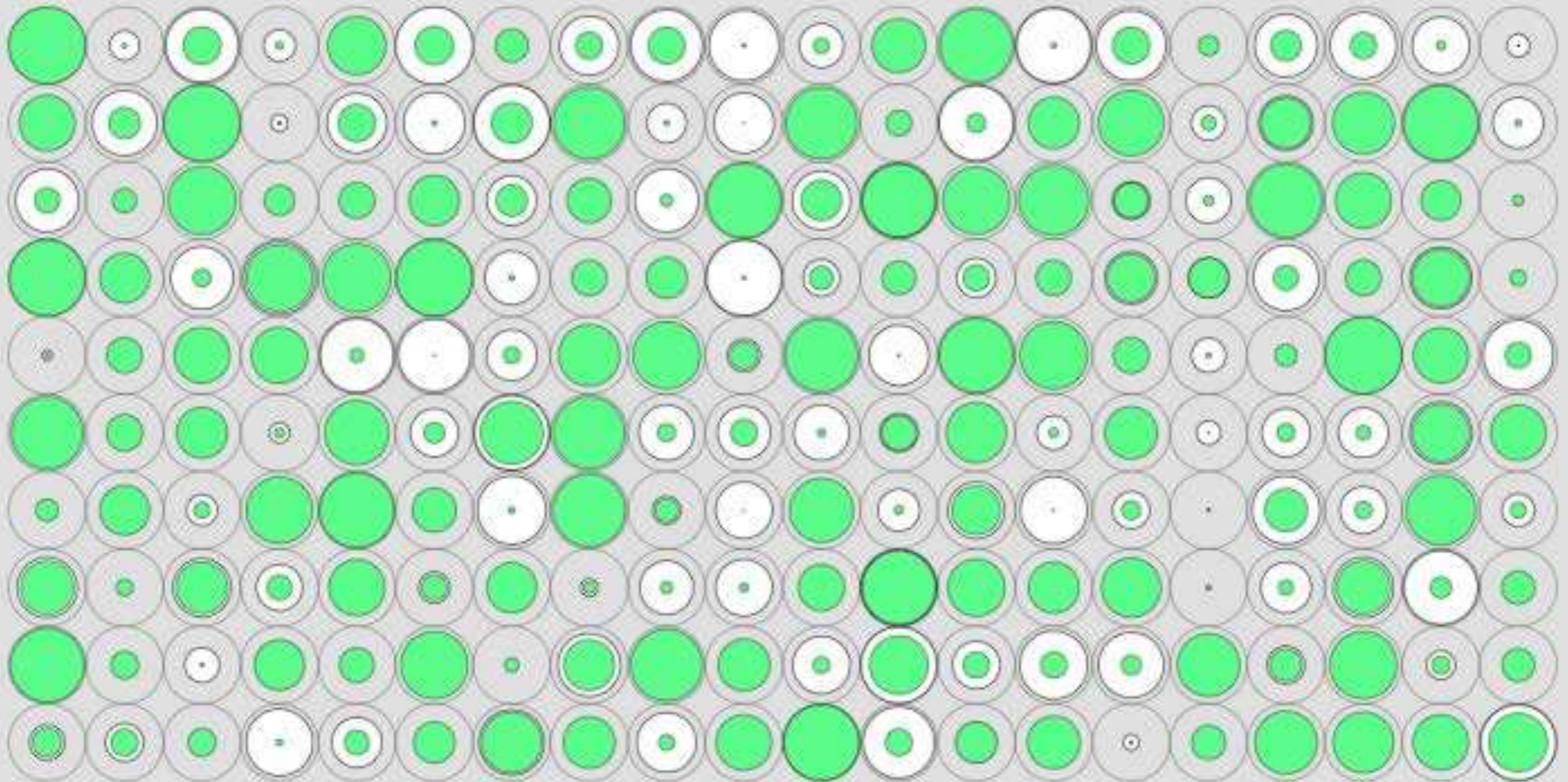


"..erase as long as you don't
remove any information" -
Kent Beck


[Extreme Programming explained - Page 57]

[https://en.wikipedia.org/wiki/Edward_Tufte]

[https://en.wikipedia.org/wiki/Kent_Beck]



**What's special about Superman is
that he will always make the
right choice.**

 SayingImages.com

Max Landis



MARCO CONSOLARO



ALESSANDRO DI GIOIA

Thanks for attention!



All Credits for the good stuff to



**All other issues..
> contact me directly**



 Majer Consulting

Damir Majer

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