accu 2022

IT'S ONLY PASTA

A FEW TIPS ON SOFTWARE ARCHITECTURE TO AVOID SPAGHETTI CODE

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It’s Only Pasta

a Few Tips on Software Architecture
to Avoid Spaghetti Code

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GARMIN

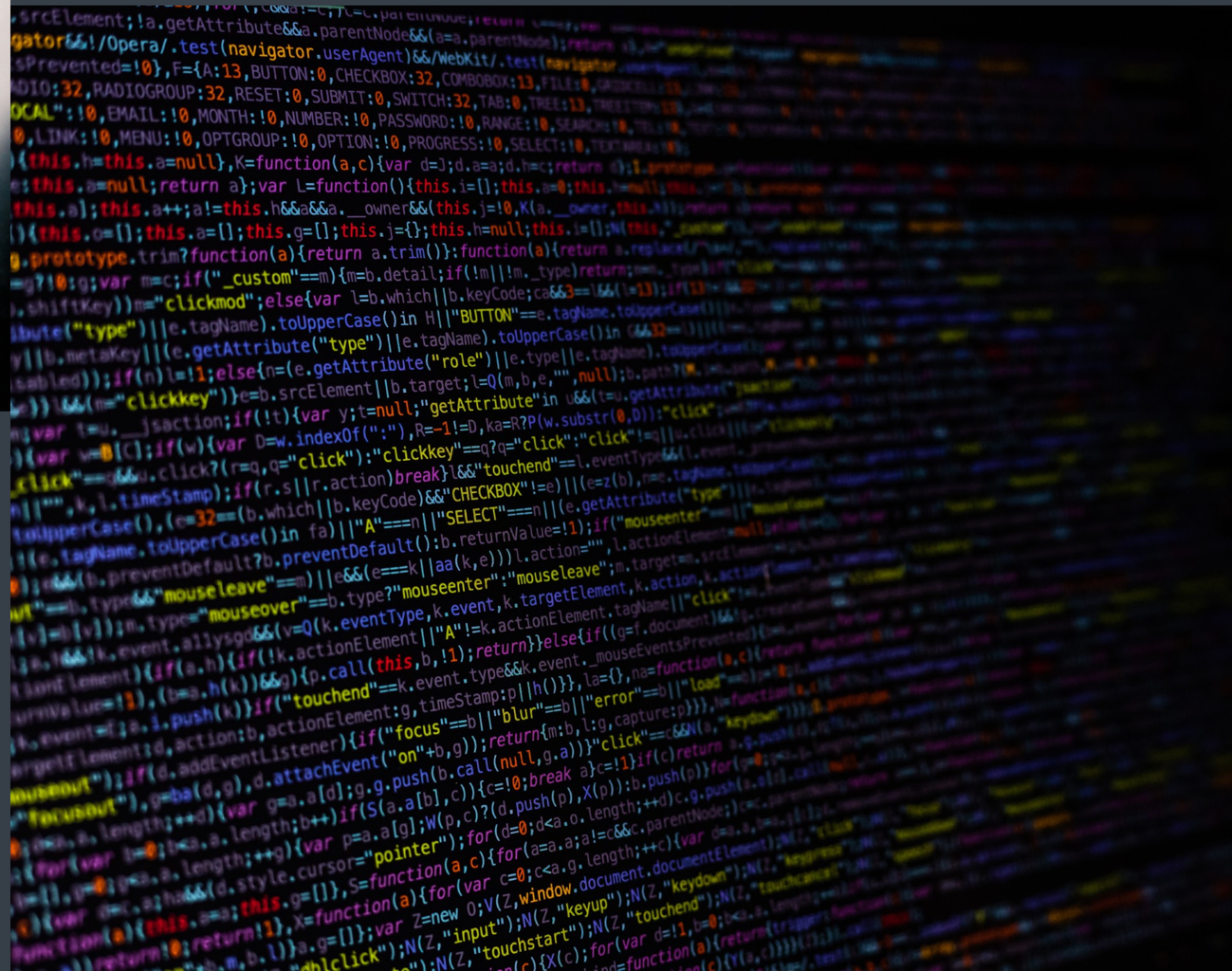
lucteo.ro/pres/2022-accu-pasta

@LucT3o

RISTORANTE

delicious pasta

spaghetti code



Overview

1

a story

text-to-speech

Overview

essential

accidental

easy

to understand
to explain
to reason about

taming complexity

essential for architecture

applicable for writing code

key to good abstractions

example

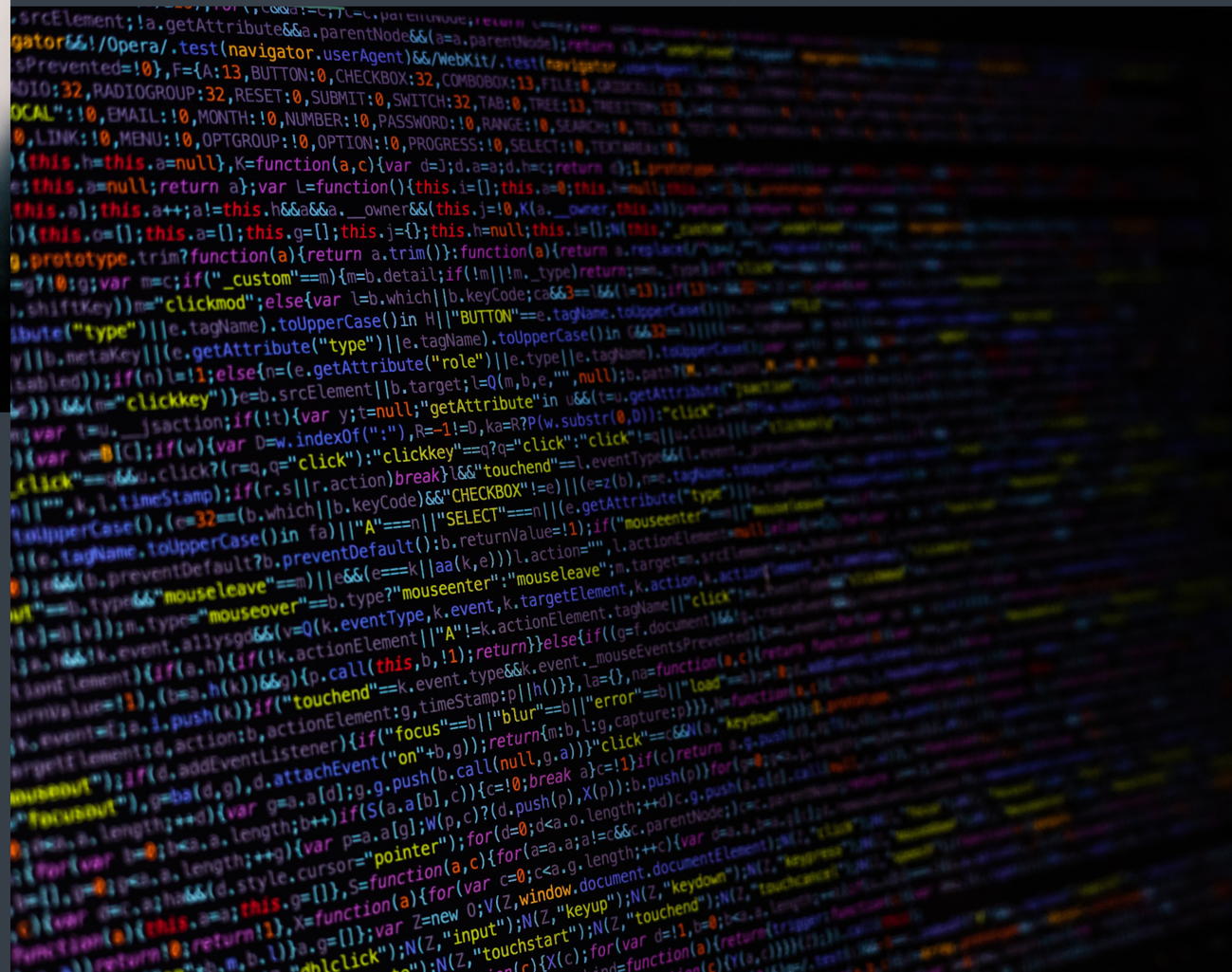
sorting algorithm

an algorithm that consists of a blend of non-parameterizable sort algorithms and heuristics, hand-tuned for performance, that can sort sequences of integers, and can be useful in other contexts

spaghetti code

delicious pasta

spaghetti code



Coherence

2

RISTORANTE

high cohesion

less to keep in mind

Balance

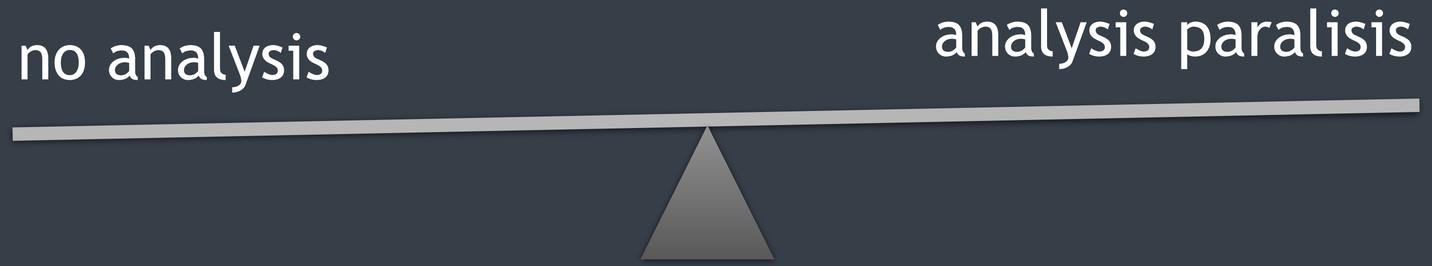
3

pasta
bacon
Parmesan
cream
salt & pepper

Virtue is the **golden mean**
between two vices,
the one of **excess**
and the other of **deficiency**

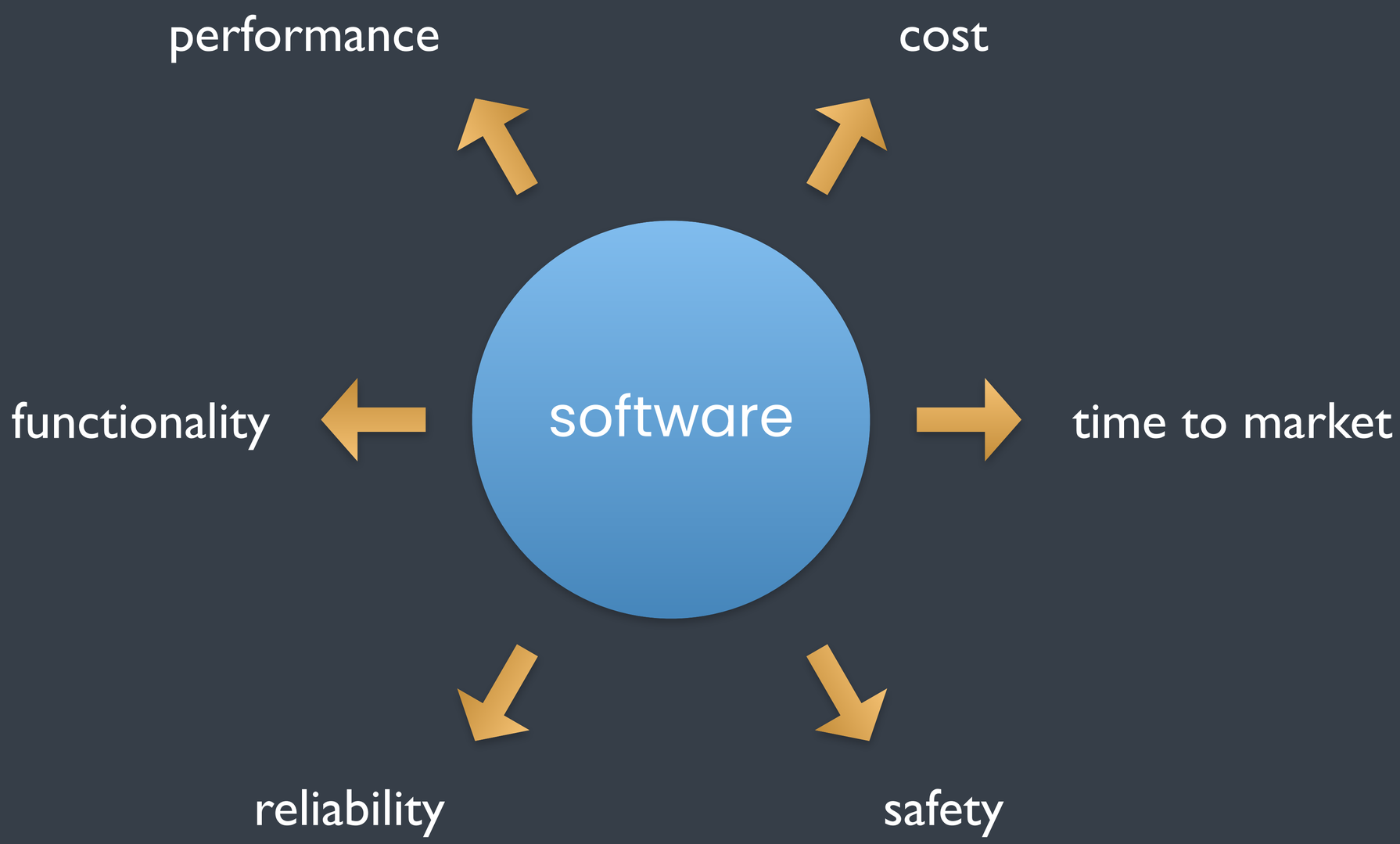
Aristotle

time spent in **problem analysis**



time spent in **refactoring**

time spent with **performance**


performance
cost
functionality
software
time to market
reliability
safety

coherency
overview
balance

Thank You

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