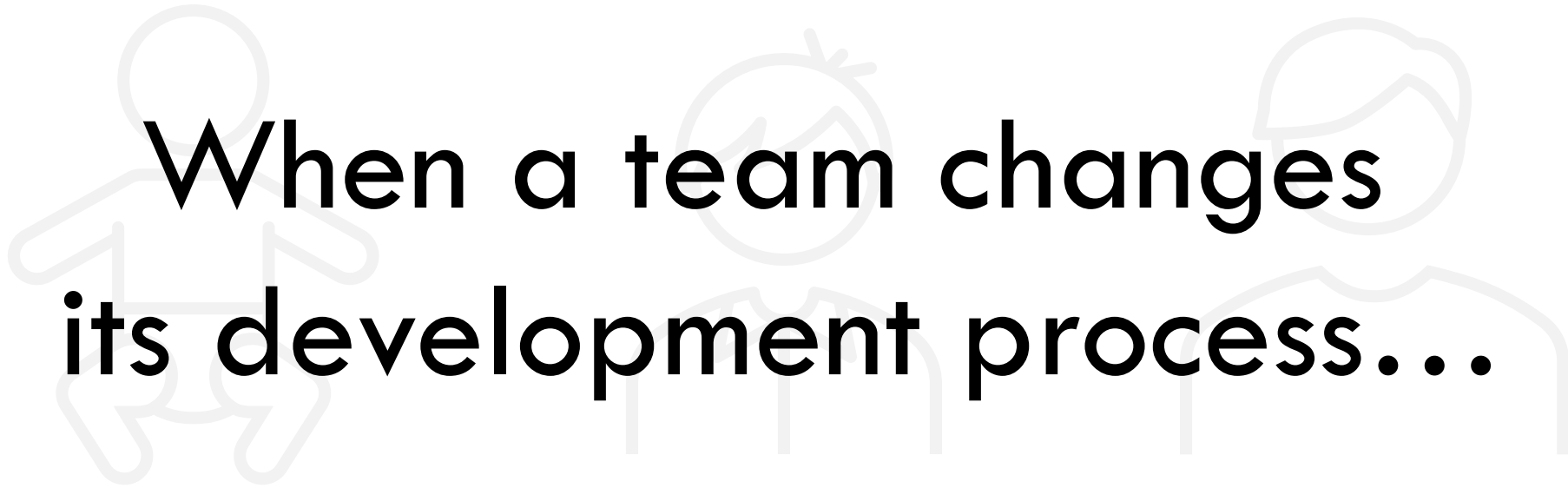


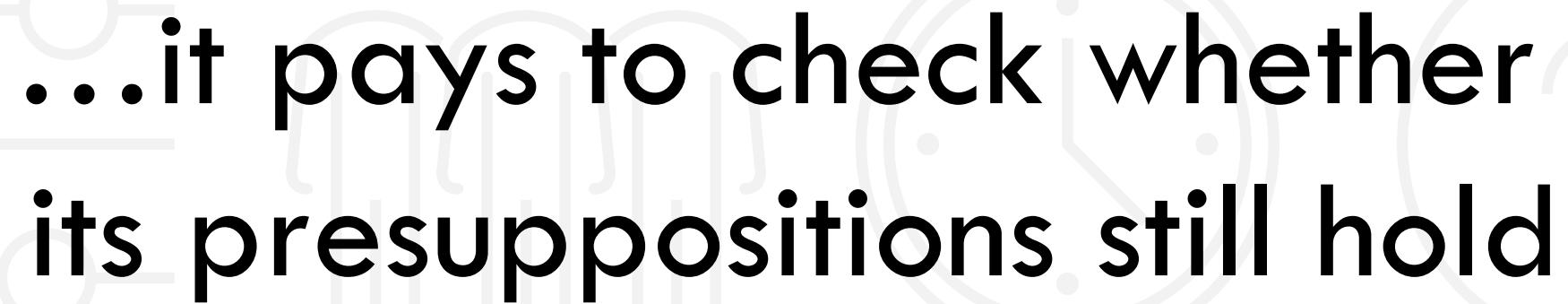
Testing A Philosophical Retrospective

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**When a team changes
its development process...**





...it pays to check whether
its presuppositions still hold .

A faint, light green background illustration featuring a telescope on the left and a lightbulb inside a head silhouette on the right. The text is centered over these elements.

**What did our changing testing
strategy teach us about testing?**

Our original development process
was deceptively simple:

The background features two faint, light-gray line-art icons. On the left, a person is shown from the chest up, sitting at a desk and working on a laptop. The laptop screen displays a code editor with symbols like '</>' and '...'. On the right, another person is shown from the chest up, holding a large document or checklist. The document has a checkmark at the top and several horizontal lines below it, representing a list of items to be tested.

The programmers
program a feature,
the testers test it

This presupposed a lot about

1) how

2) who

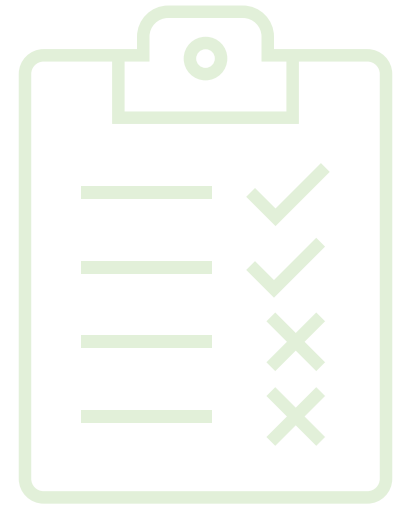
3) when, and

4) why we tested software




We saw testing as

- 1) a manual task**
- 2) done by testers**
- 3) after coding**
- 4) to check the dev's work**



Problem

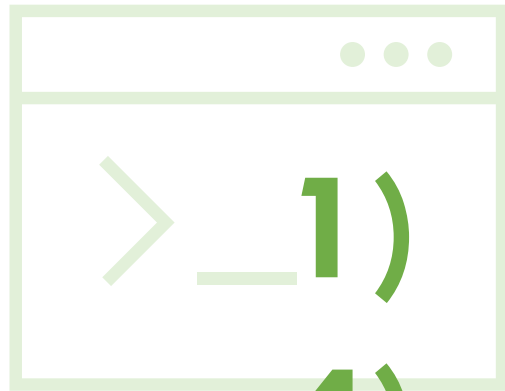
Our way of working
lead to week long
regression test sprints

A faint, light gray background illustration. It depicts a stylized human figure in a running or climbing posture, positioned as if ascending a staircase. Overlaid on this figure is a line graph with multiple peaks and valleys, suggesting a fluctuating trend or progress over time.

The background features a faint, light gray illustration. On the left is a computer monitor with a small icon on its screen. To the right of the monitor is a vertical rectangular box containing a list of horizontal lines, with three of these lines having a checkmark to their left. Above the text, there is a dotted circular shape.

Solution
Automate the
test scripts

We became aware of
some (now) incorrect
presuppositions



1)

4)

Good tests are
automated
to prevent regressions



Problem

The tester could not
keep up with the work

Solution

Make the programmers (partly)
responsible for automating tests

This made us notice some
other incorrect presuppositions

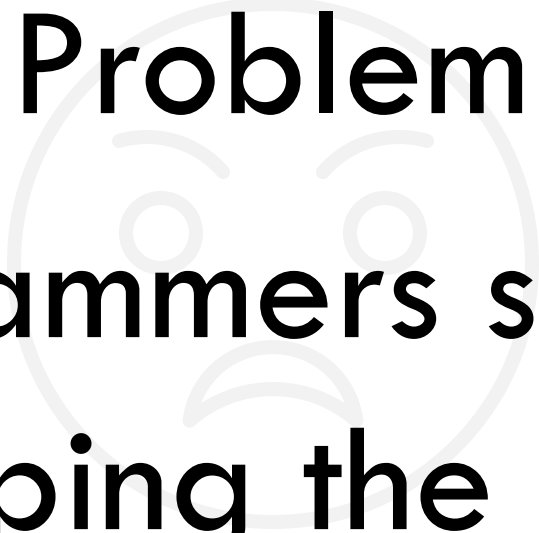
A faint, light gray line drawing of a person's head and shoulders is centered in the background. The person has short, wavy hair and is wearing a simple, open-collared shirt. The drawing is minimalist and serves as a subtle backdrop for the text.

Tests are written

2) by testers *and* programmers

4) to document the code





Problem

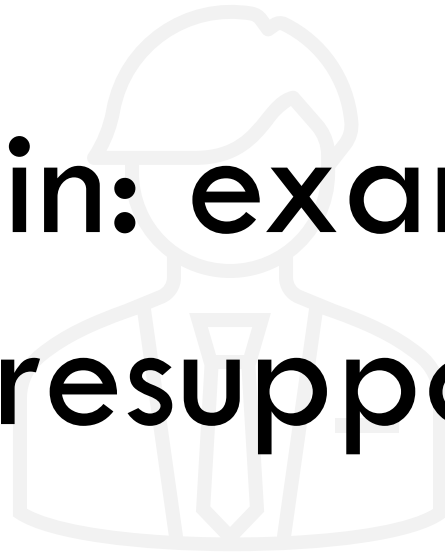
Programmers started
skipping the tests

Solution

Teach them the ways of
Test-Driven Development



**Again: examine
your presuppositions**





Testing is something you do

3) during development

4) to help you design the code



The development of our
testing strategy shows
the following trends:

- 
- Automate ever more
 - Test ever sooner
 - Shift responsibility



Programming and testing
are two sides of the same coin


Where to go
from here?





Problem

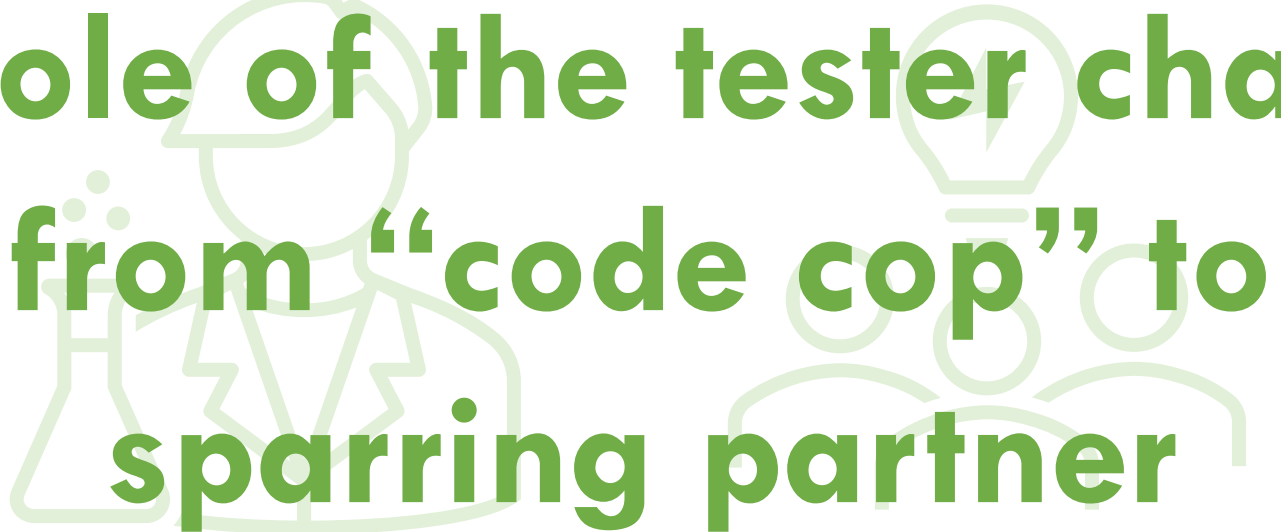
Programmers and testers
are doing redundant work



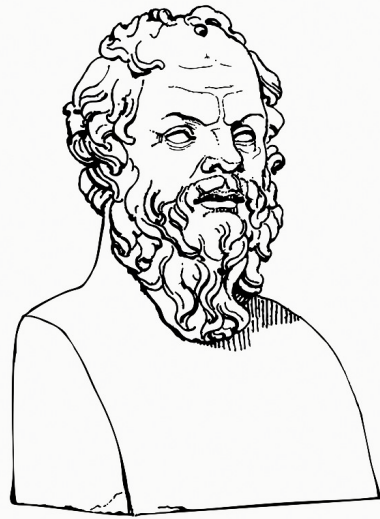


**Solution
Collaborate!**

**The role of the tester changes
from “code cop” to
sparring partner**

A faint, light green background illustration of two stylized human figures. The figure on the left is in a defensive or sparring stance, with one arm raised. The figure on the right is in a more active or attacking stance, with one arm extended. The overall style is minimalist and modern.

But that won't be
the last presupposition
that will have to go...



*The unexamined life
is not worth living*
- Socrates

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