Testing Tools Diversity: Yea or Nay?

Tatiana Pavlyuk
NFT QA Team Lead, Exactpro, London Stock Exchange Group
Iosif Itkin
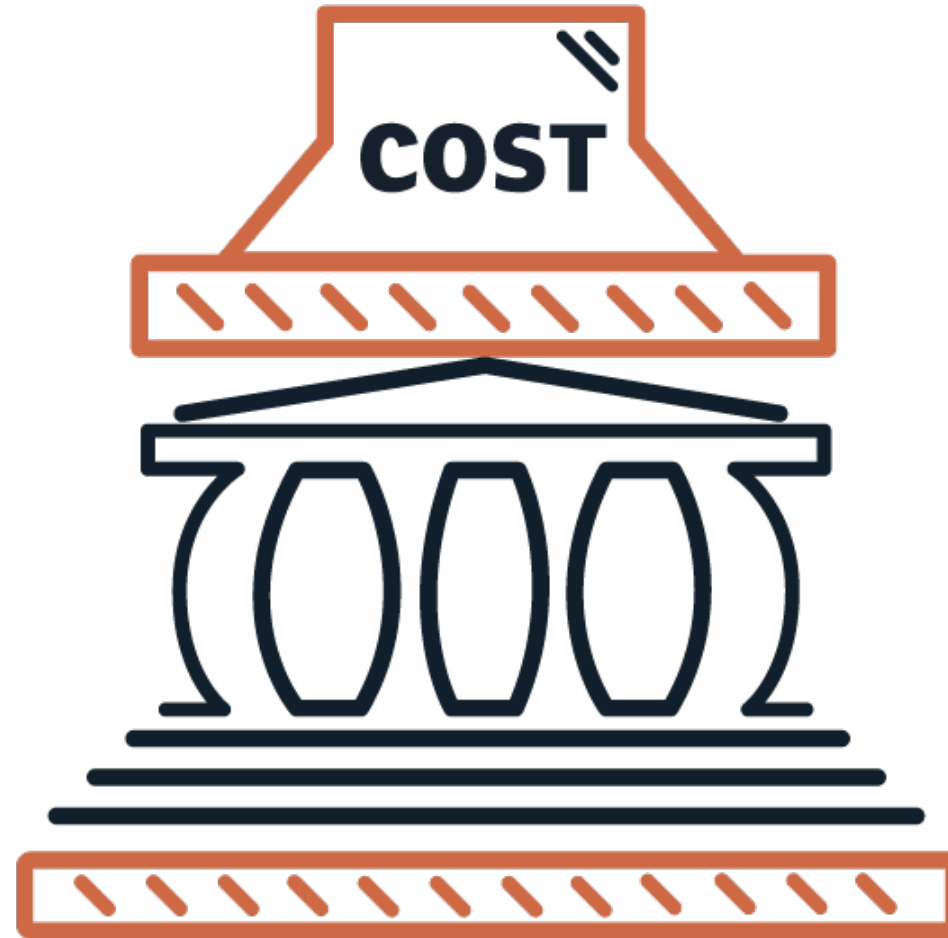CEO, Exactpro, London Stock Exchange Group

Deliberate Practice of Software Testing

COST
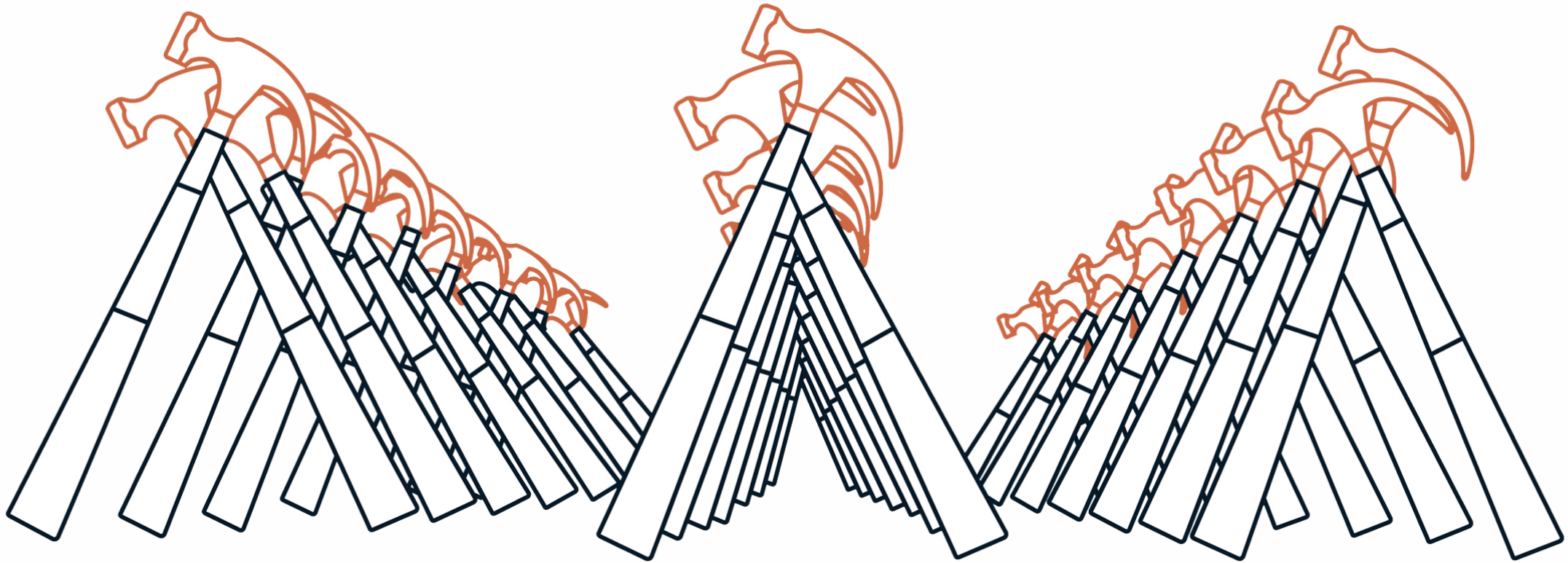
One Company

One Company, One Team
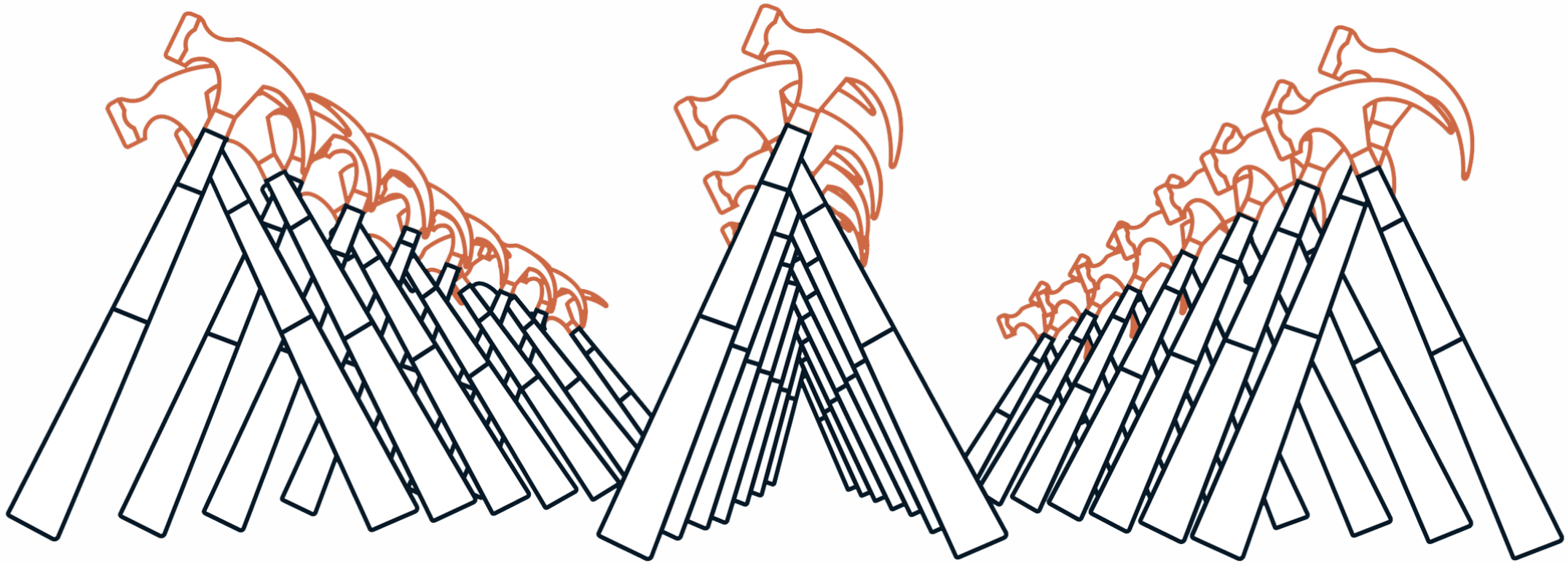
One Company, One Team, One Tool
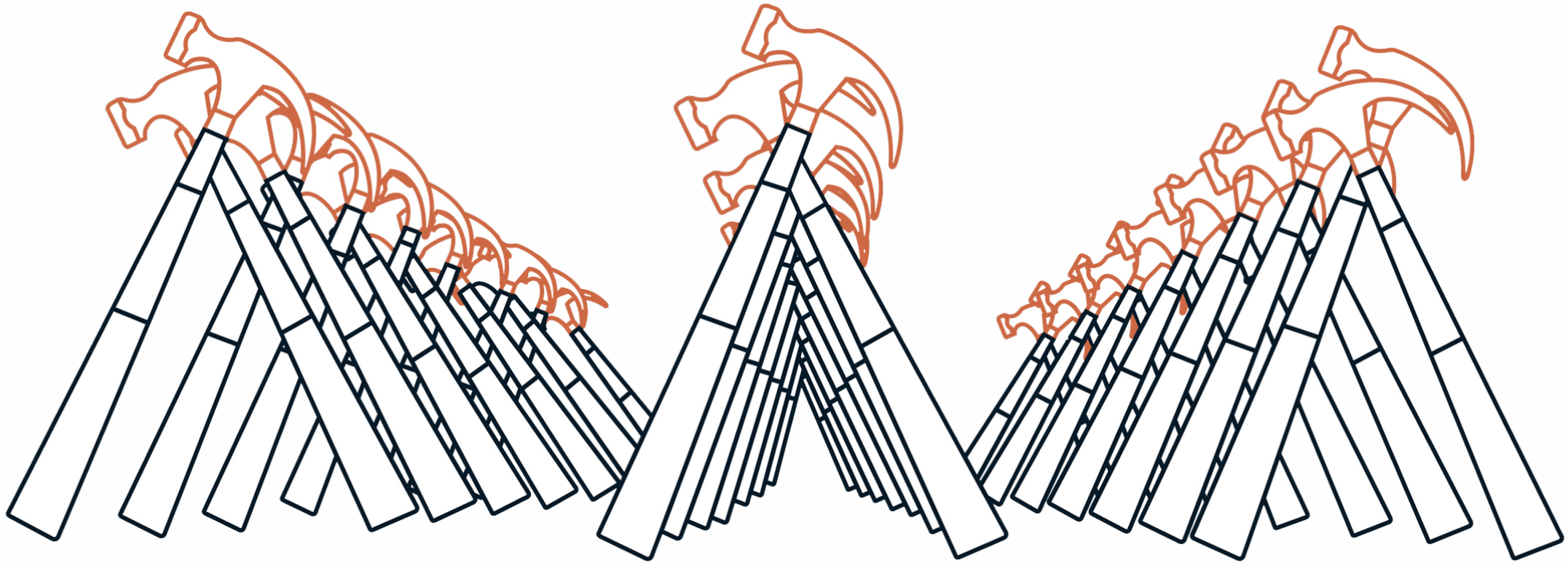
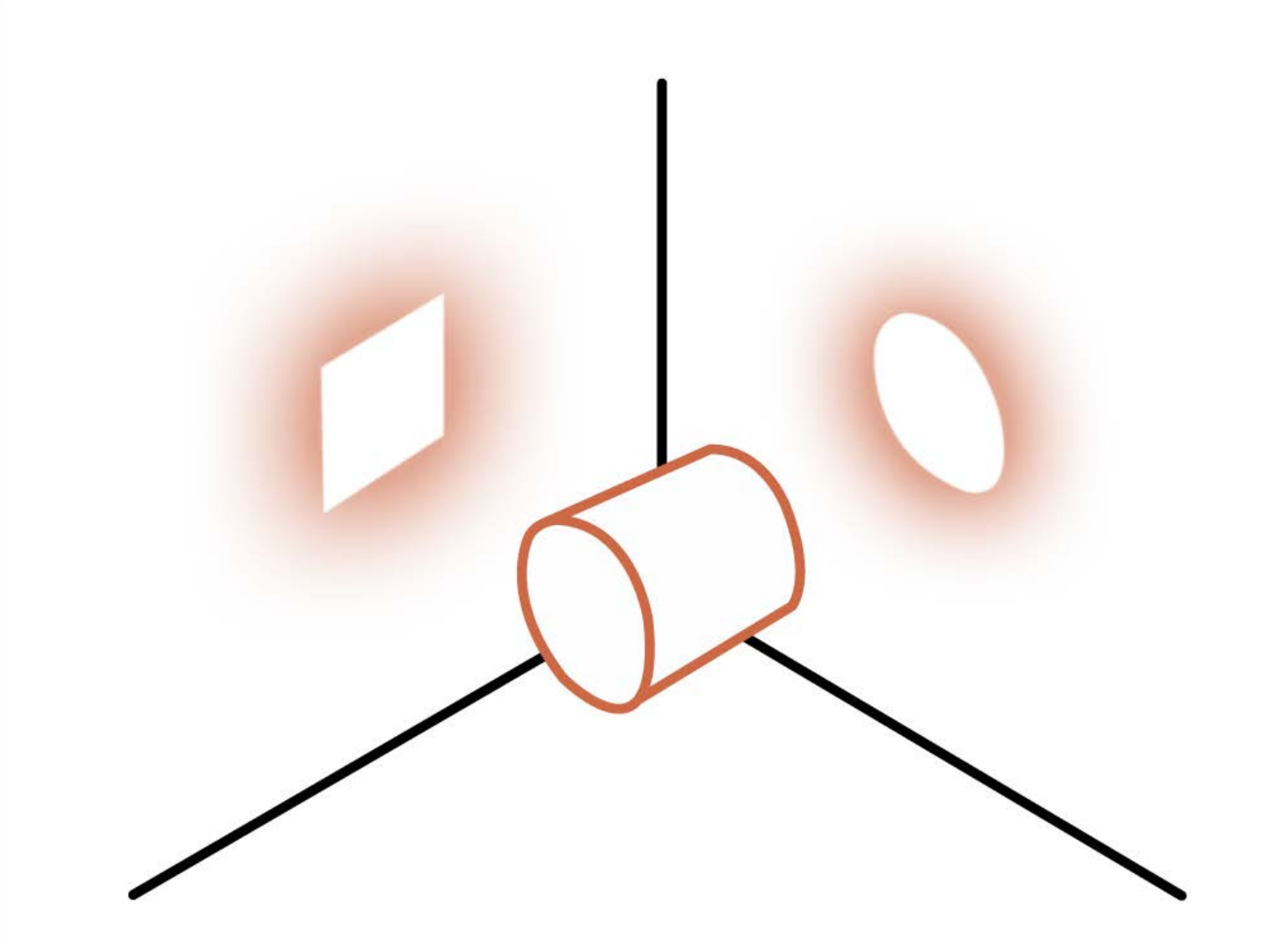# Every Problem is a Nail

Diverse Perspectives Reveal More

Functional Testing

Non Functional Testing

Confluence of FT and NFT
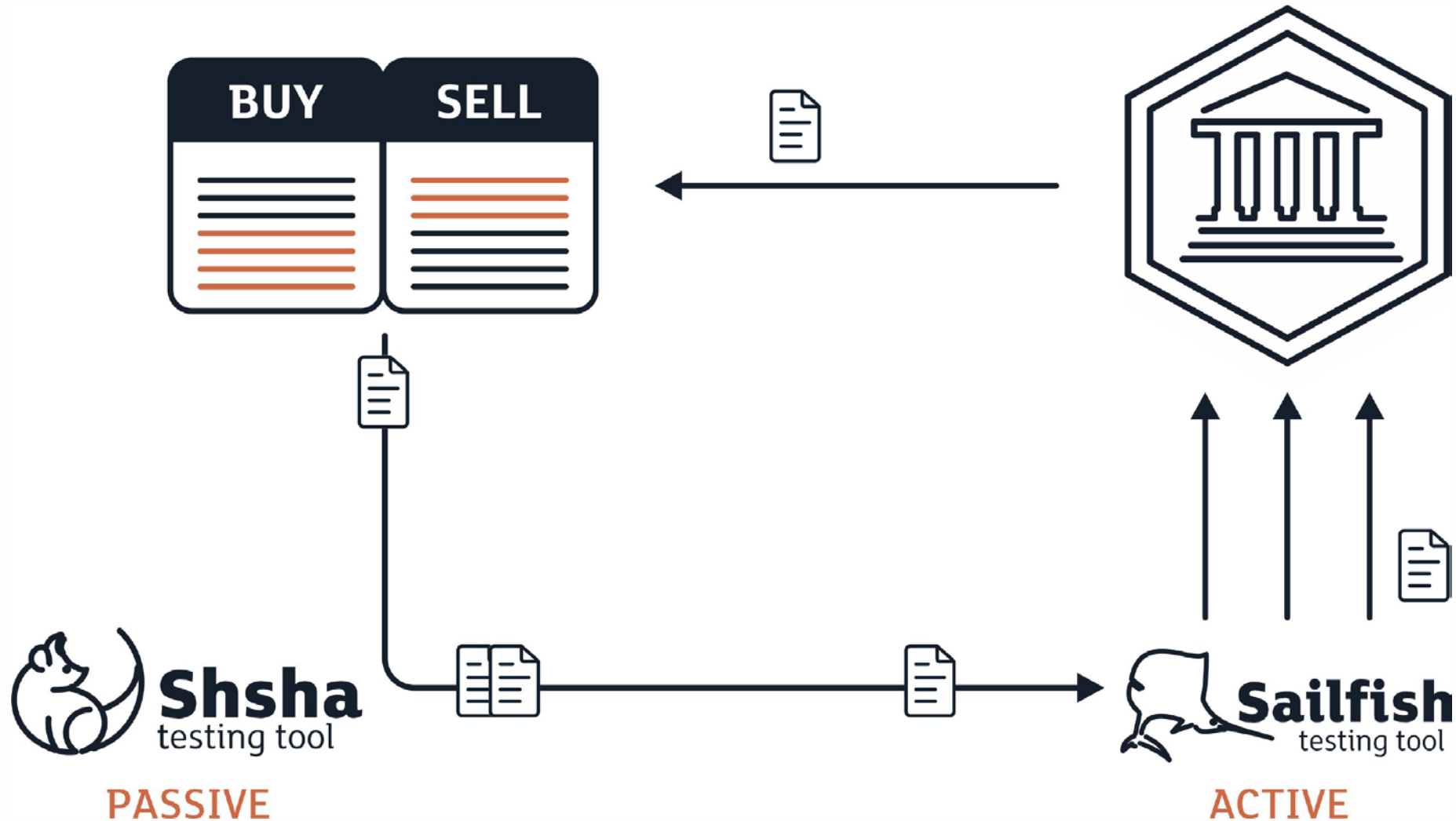
Different Perspectives – Different Defects
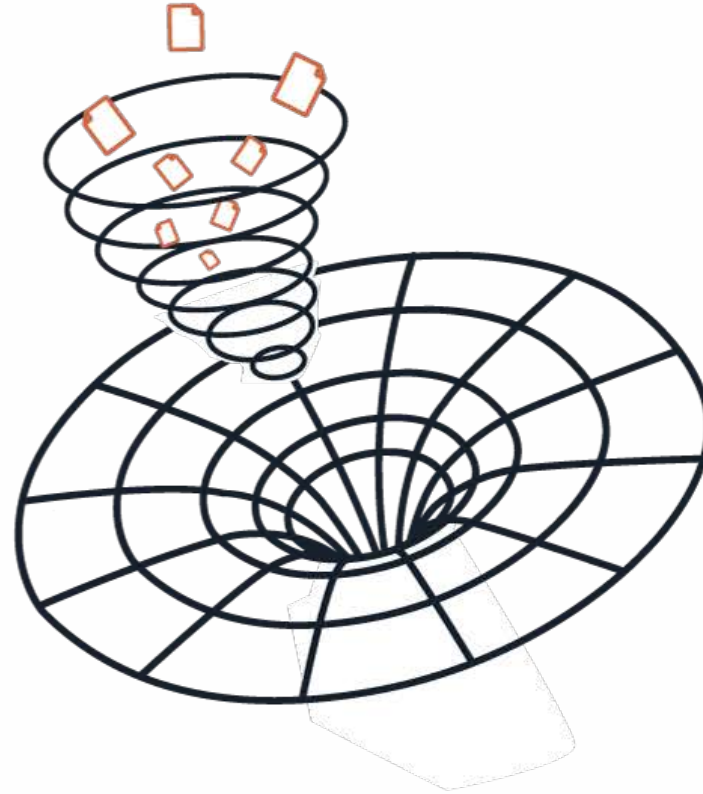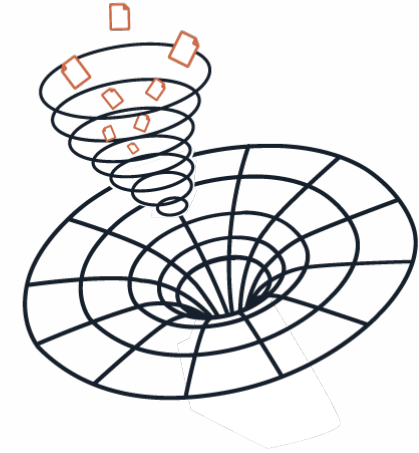

```
class     aarySearchTree {
  public static boolean contains(Node root, int valu
      throw new UnsupportedOperationException("Wa
mplemented.");
  }
  public static void main(String[] args) {
    Node n1 = new Node(1, null, null);
    Node n3 = new Node(3, null, null);
    Node n2 = new Node(2, n1, n3);

    System.out.println(contains(n2, 3));
```
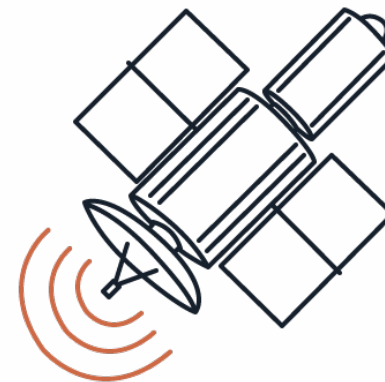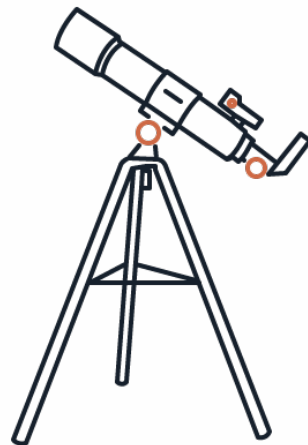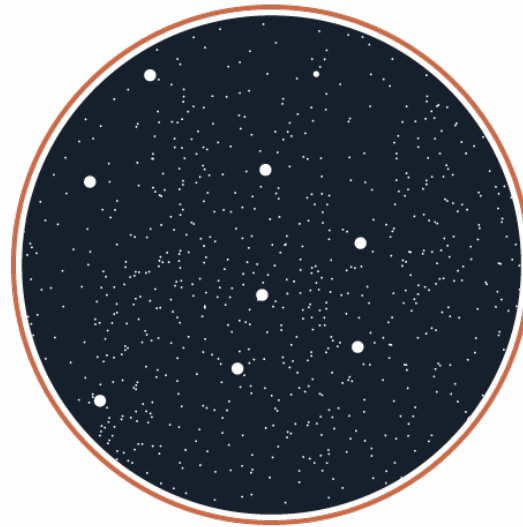
Diverse Thinking – Diverse Defects
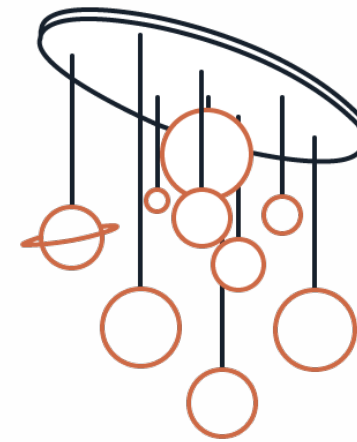
13
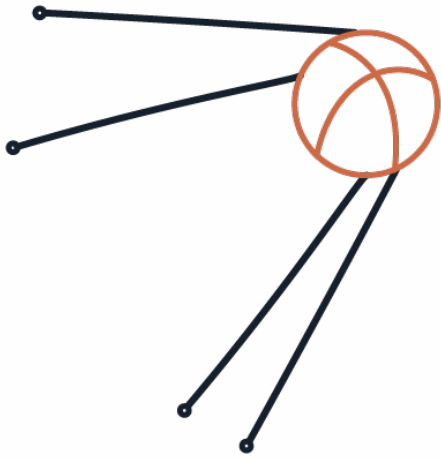
Software Testing is Relentless Learning

Software Testing - Exploration

No Fear

Software Testing: Focus on Failure

ANNA
KARENINA

YOU CAN'T ASK WHY ABOUT LOVE.

LEO TOLSTOY

UNABRIDGED   READ BY WANDA McCADDON
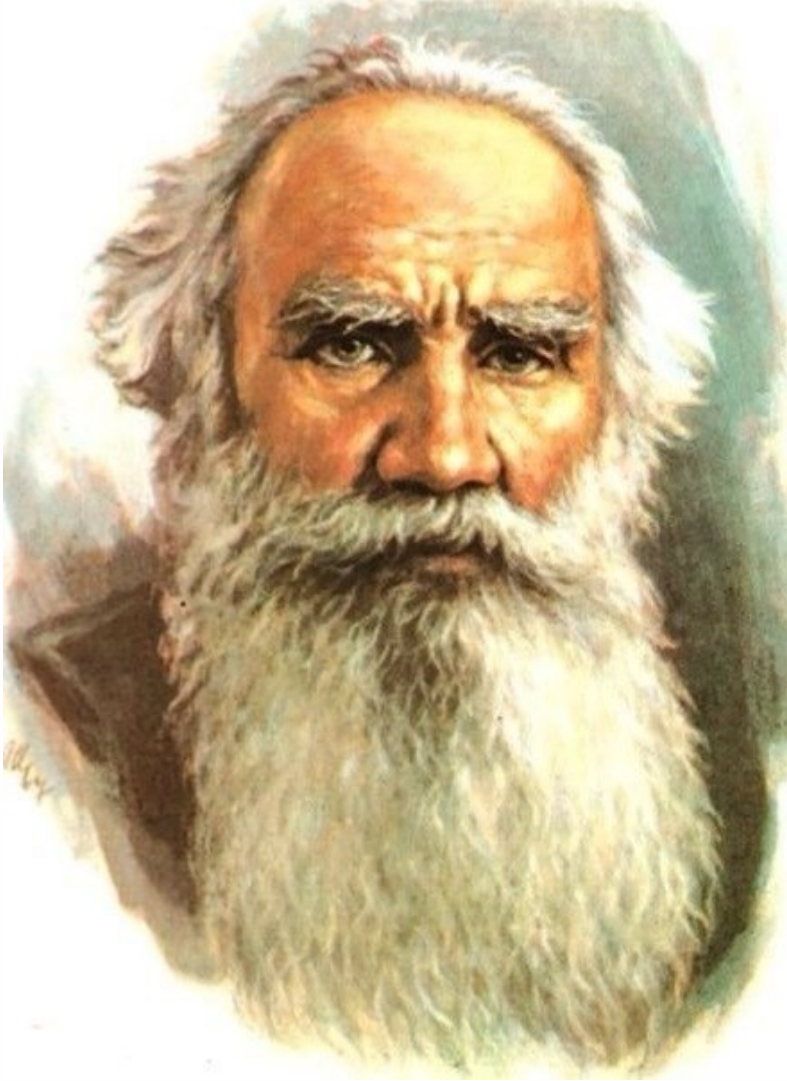
Diverse Testing Tools

Anti-Fragile Test Harness

Macro-Scale Stability of Production
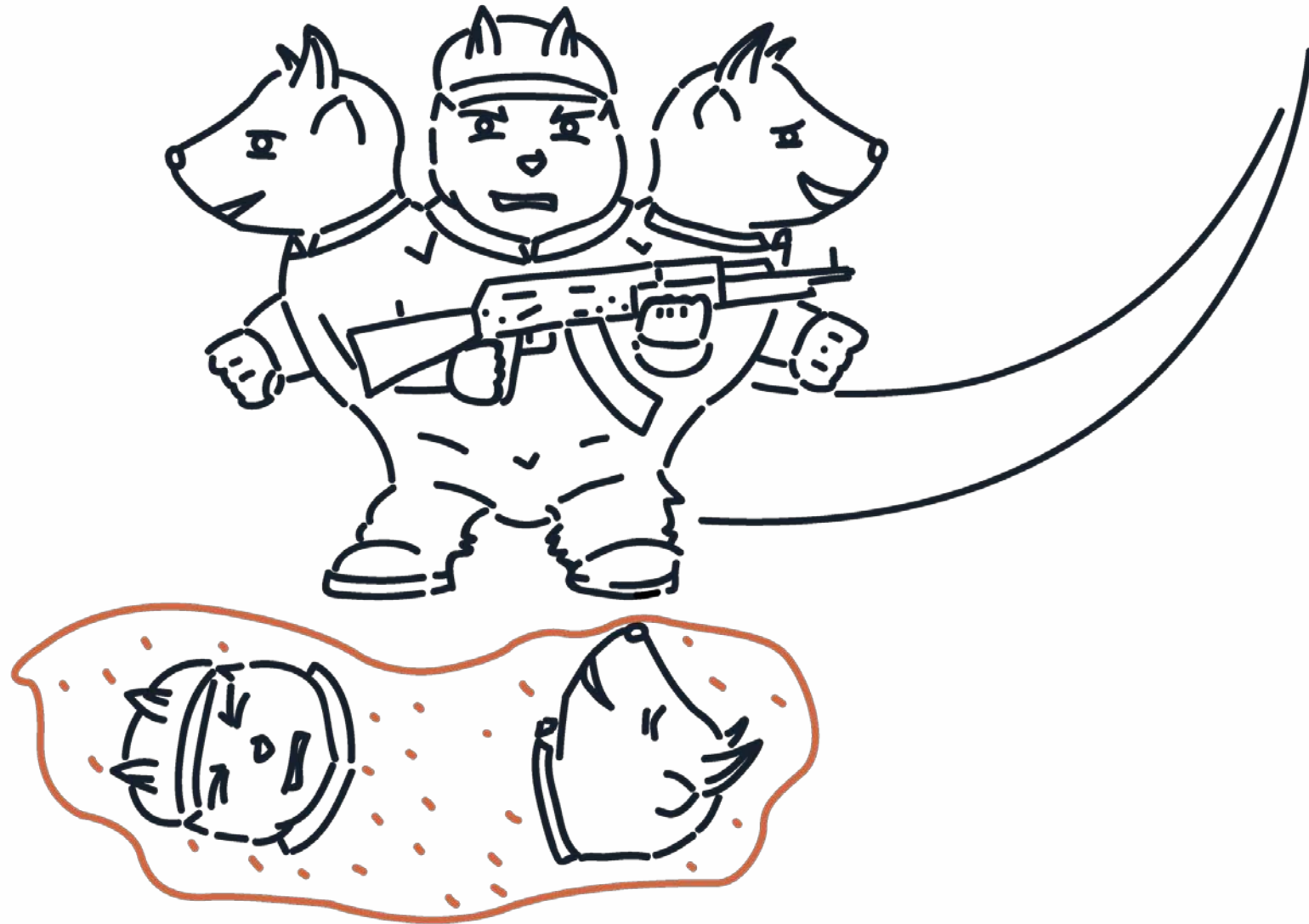
Artisan Shop
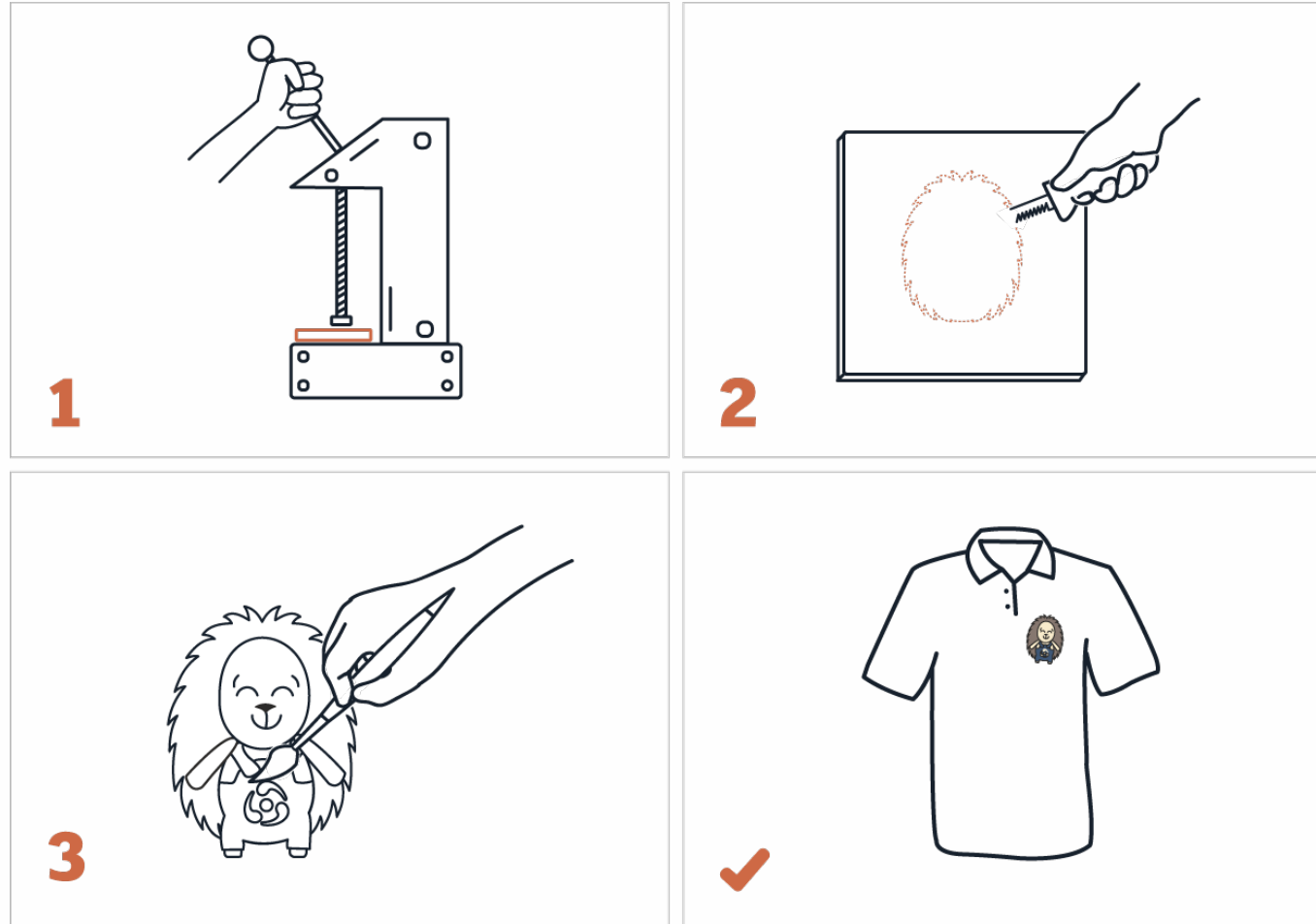
Build Software to Test Software

Shsha
testing tool

Automated monitoring,
analysis and reporting

LoadInjector
testing tool

75K messages / second from a single CPU core
Measures latencies in microsecond range

Sailfish
testing tool

Automated testing
Compares intended and received
results

Trading System

Minirobots
testing tool

A variety of algoes simulating end-clients
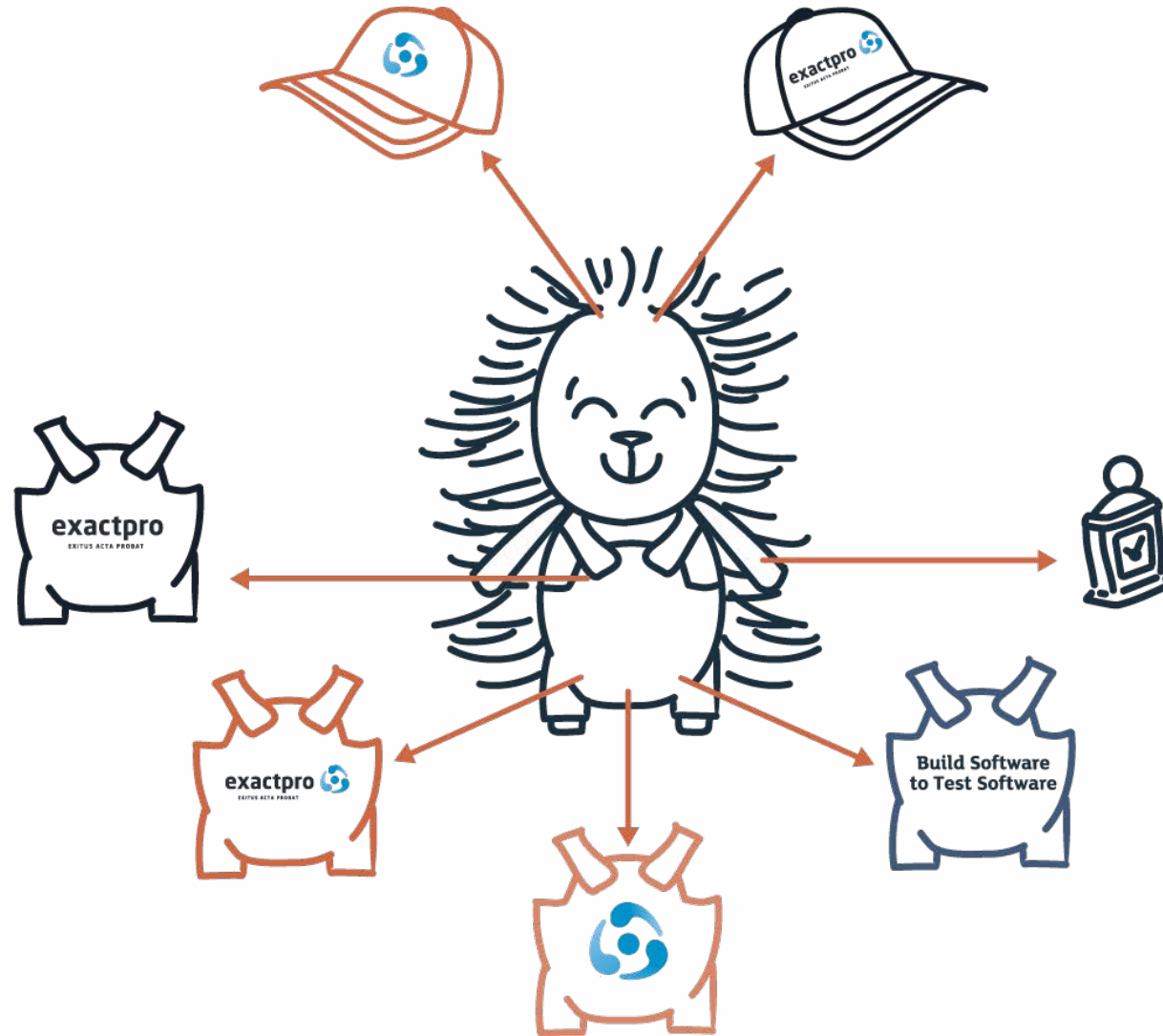will run and see how system performs

ClearTH
testing tool

Automated end 2 end
clearing system testing

Mass Customisation

23
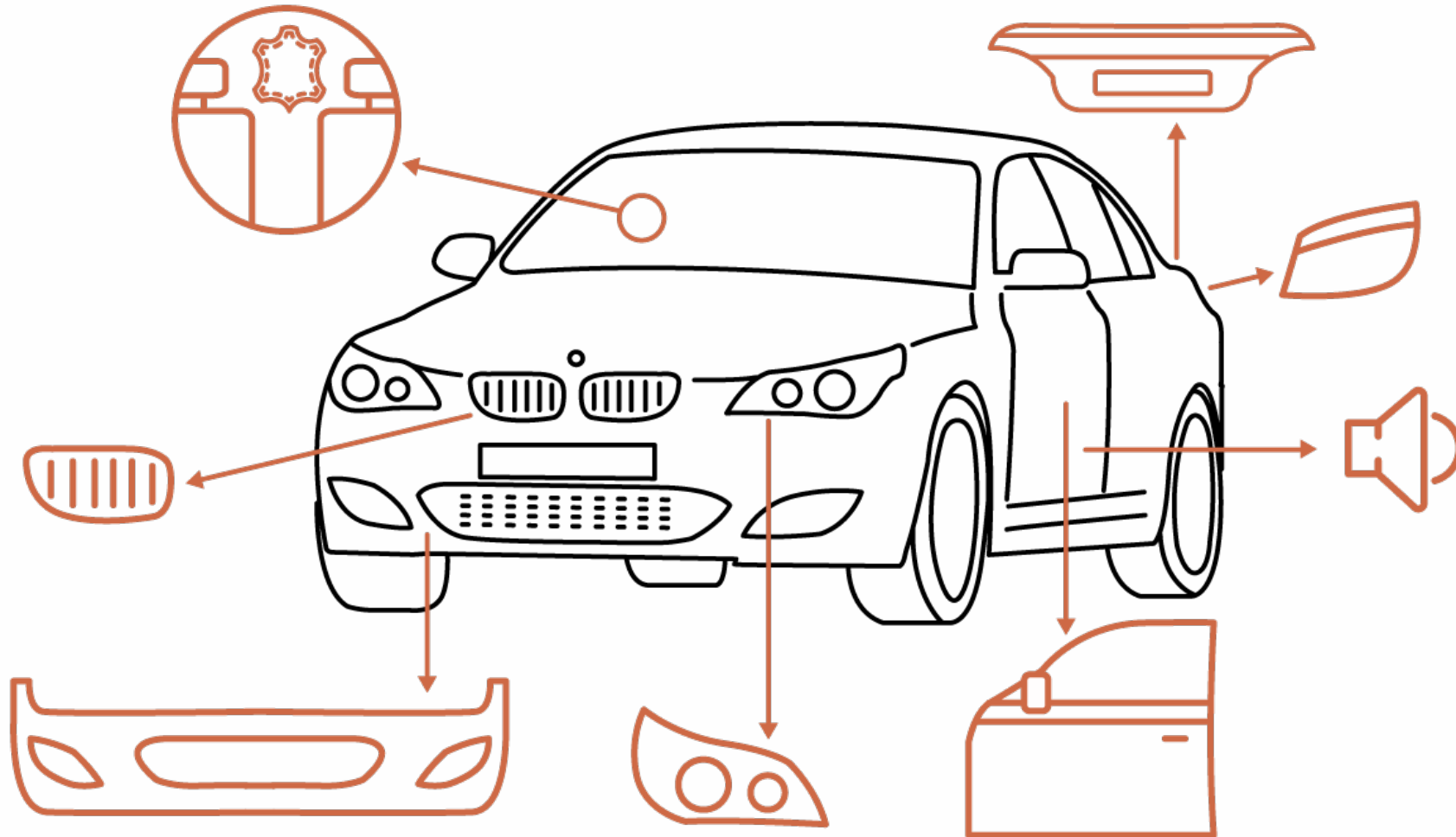
Software Testing Factory

Testing Tools Diversity