SMARTER TESTING THROUGH
SMARTER TESTERS

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WHY SMARTER?
DESIRE TO IMPROVE IS A HUMAN TRAIT
PANTA RHEI
HOW CAN SOFTWARE TESTING IMPROVE?
TOOLS
ONE MASTER TOOL
“MY BRAIN IS MY MOST IMPORTANT TOOL.”

- OLENA G.
SMART TESTING MEANS...
SMART

/SMÄRT/
ADJECTIVE

HAVING OR SHOWING A QUICK-WITTED INTELLIGENCE.

CLEVER, BRIGHT, INTELLIGENT, SHARP-WITTED, QUICK-WITTED, SHREWISH, ASTUTE, ABLE;
TEST APPROACH BASED ON QUICK ASSESSMENT OF CONTEXT
UNDERSTAND WHY YOU TEST

TEST APPROACH BASED ON QUICK ASSESSMENT OF CONTEXT

KNOW WHAT YOU NEED
UNDERSTAND WHY YOU TEST

KNOW WHAT YOU NEED
SMART TESTING IS...

- RISK-DRIVEN
- CONTEXTUAL
- GOOD ENOUGH
SMART TESTING REQUIRES SMART TESTERS

COGNITIVE SKILLS

TRAINING

SOFTWARE SKILLS

RELATIONSHIP SKILLS?

THINKING SKILLS?
UNDERSTAND WHY YOU TEST
KNOW WHAT YOU NEED
TESTING IS A SERVICE TO STAKEHOLDERS
ALIGN

INDUSTRY + ENVIRONMENT + GOALS = TEST ARTIFACTS
ALIGN

LEAN

COMPREHENSIVE

COMPLIANT
# ALIGN

<table>
<thead>
<tr>
<th>DOCUMENTATION LEVEL/ARTIFACT</th>
<th>LEAN</th>
<th>COMPREHENSIVE</th>
<th>COMPLIANT</th>
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</thead>
<tbody>
<tr>
<td>TEST PLAN - FORMAL</td>
<td>*</td>
<td>R</td>
<td>M</td>
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<tr>
<td>TEST PLAN - MIND MAP</td>
<td>M</td>
<td>M</td>
<td>R</td>
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<tr>
<td>TRACEABILITY MATRIX</td>
<td>*</td>
<td>R</td>
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<tr>
<td>PRODUCT RISK MATRIX</td>
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* = OPTIONAL, R = RECOMMENDED, M = MANDATORY
ADVISE

QUALITY + CONTEXT = TEST APPROACH
ACCELERATE

- HEURISTICS
- TEMPLATES
- FRAMEWORKS
- BUG TAXONOMIES
## ACCELERATE

<table>
<thead>
<tr>
<th>APPROACH/RISK LEVEL</th>
<th>MANUAL EXPLORATORY</th>
<th>MANUAL SCRIPTED</th>
<th>AUTOMATED SCRIPTED</th>
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<tr>
<td>LOW</td>
<td>M</td>
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APPLY

APPROACH + ACCELERATORS
ASSESS = DEFINE QUALITY
ALIGN = UNDERSTAND CONTEXT
ADVISE = DETERMINE APPROACH
ACCELERATE = REUSE
APPLY = JUST DO IT
“[...] THE BEST THING IS TO LEARN FROM OTHERS AND USE YOUR BRAIN WHEN APPLYING THOSE LESSONS IN YOUR OWN CONTEXT.”

@crcrothe
REFERENCES

- https://psychologies.co.uk/love/the-seven-essential-relationship-skills.html
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