

FIVE SYMPTOMS
YOUR TEST AUTOMATION
IS DYING

**DISCLAIMER:
I AM NOT LICENSED BY ANY MEDICAL BOARD TO DIAGNOSE
AUTOMATION DISEASES. THESE SYMPTOMS ARE FOR
INFORMATIONAL PURPOSES ONLY.**

3

**DOES THE TEAM SUPPORT TEST AUTOMATION?
THE ORGANIZATION?**

4

**DO YOU HAVE RESOURCES AT YOUR DISPOSAL
TO PROCURE AUTOMATION SOFTWARE, HARDWARE,
AND PEOPLE?**

**ARE YOU TRYING TO TRAIN
MANUAL TESTERS?**

6

**ARE YOU TRYING TO CONVERT YOUR MANUAL
TEST CASES INTO AUTOMATED TEST CASES?**

7

**DOES YOUR PRIMARY CONCERN REVOLVE AROUND
MAKING AUTOMATION BUSINESS ACCESSIBLE?**

8

**ARE YOU USING AUTOMATION TO FULFILL A BUSINESS
NEED OR SOLVE A BUSINESS PROBLEM?**

**ARE YOU DEPENDENT ON RECORD
AND PLAYBACK TOOLS?**

**DOES YOUR AUTOMATION FRAMEWORK
SEEM CLUNKY?**

**NO AUTOMATION GURU
ON YOUR TEAM?**

THE 5 SYMPTOMS

- 1 THE MISSING PROJECT

SYMPTOM

- AUTOMATION FRAMEWORK IS NOT DESIGNED, DEVELOPED, AND MAINTAINED AS A PROJECT

15

CURE

- FIND A LEADER
- CREATE AN AUTOMATION BACKLOG

CURE

- FIND A LEADER
- CREATE AN AUTOMATION BACKLOG

“I WANT TO WRITE AN AUTOMATED SCRIPT”

“I WANT TO SEE THE TEST RESULT”

“I WANT THE SCRIPT TO RUN ON A REMOTE MACHINE”

“I WANT TO RUN THE AUTOMATED SCRIPT AUTOMATICALLY”

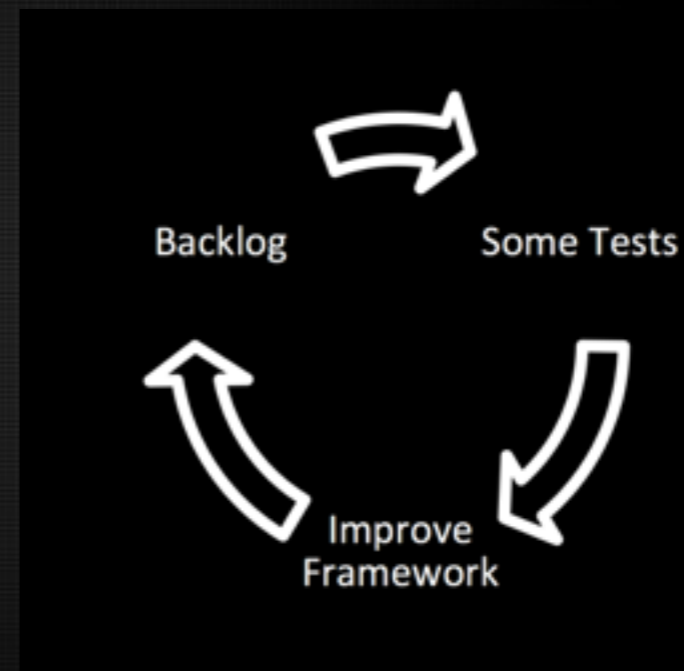
“I WANT TO SHARE THE RESULT”

CURE

- FIND A LEADER
- CREATE AN AUTOMATION BACKLOG

"I WANT TO WRITE AN AUTOMATED SCRIPT"
"I WANT TO SEE THE TEST RESULT"
"I WANT THE SCRIPT TO RUN ON A REMOTE MACHINE"
"I WANT TO RUN THE AUTOMATED SCRIPT AUTOMATICALLY"
"I WANT TO SHARE THE RESULT"

- TAKE SMALL STEPS
- ITERATIVE IMPROVEMENTS



- 2_TRAINING MANUAL TESTERS

SYMPTOM



LIAM NEESON - "TAKEN"

CURE

- INTERNALLY MOTIVATED > EXTERNALLY MOTIVATED

- **3_BUSINESS
READABLE
TRAP**

SYMPTOM

- AUTOMATING FOR THE PURPOSE OF BUSINESS RATHER THAN QUALITY

CURE

- QUALITY FIRST, BUSINESS REQUIREMENTS SECOND

**Business
Readable**

**Quality
Focused**

Written in English

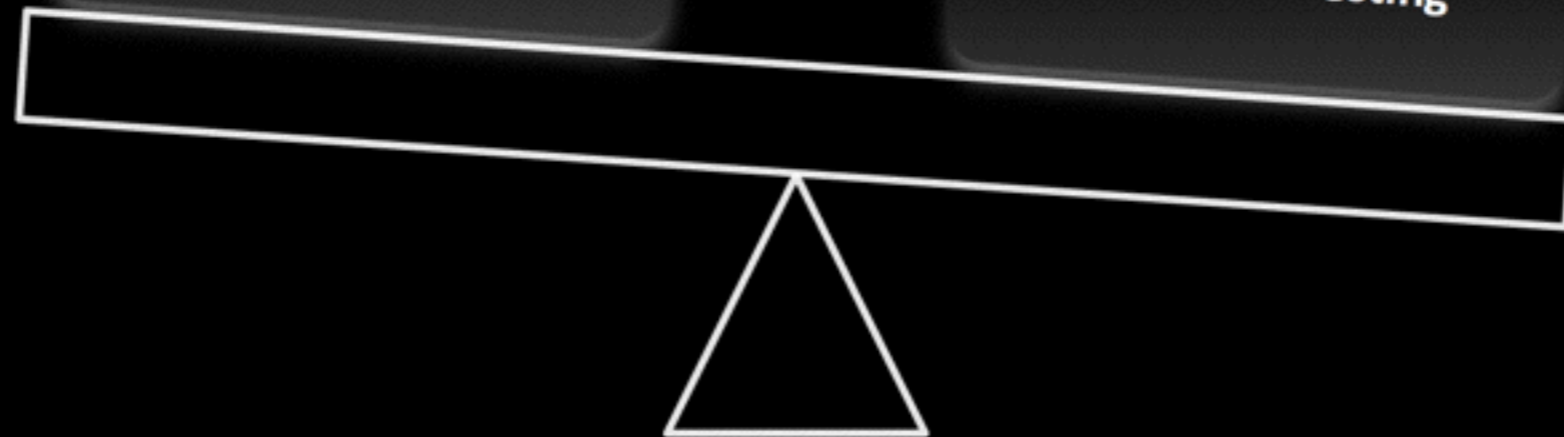
Rooted in Communication

Extensible

Robust

**Written in Programming
Language**

Rooted in Testing



- 4_RECORD AND PLAYBACK

SYMPTOM

- DEPEND ON RECORD AND PLAYBACK

CURE

- THREE LEVELS OF AUTOMATION FRAMEWORK MATURITY



5_TUMORS

SYMPTOM

- STUFF LEFT BEHIND BY OTHERS (OR YOURSELF)
– TECHNICAL DEBT

CURE

- USE ~~PAGE~~ OBJECT DESIGN PATTERN

CURE

- USE ~~PAGE~~ OBJECT DESIGN PATTERN
- CLEAN UP AND REFACTOR OFTEN
 - *LAYERS*
 - *MODULAR*
 - *ACTIONABLE*



CQ5 Functional Tests

Generated by [TestNG](#) with [ReportNG](#) at 17:32 PDT on Tuesday 14 October 2014
an.doan@POM7TFFD57L.local / Java 1.7.0_55 (Oracle Corporation) / Mac OS X 10.9.4 (x86_64)

Suite

	Duration	Passed	Skipped	Failed	Pass Rate
All	159.824s	5	0	0	100%
Total		5	0	0	100%

All

Test duration: 159.824s

Passed Tests

com.akqa.cq55.base.automation.selenium.tests.login.sites.Test

ICanChooseTemplates

14.547s

GridFirefox

TIMING:

14.547s

OUTPUT:

TEST STEP: Given I am on the websites page

TEST STEP: Opening page: ACME TS3

TEST STEP: when I click create page

TEST STEP: Then I Should See The Allowed Templates [ACME Language Node]

Verify Allowed Templates Are [ACME Language Node]

SE STEP: Waiting for element to contain text: By.selector: .template-title, ACME Language Node

SE STEP: Get Text From Multiple: By.selector: .template-title

VERIFICATION: VP00 Allowed Templates: Verify Actual: '[ACME Language Node]' Collection Equals Expected: '[ACME Language Node]'

Failed Tests

com.akqa.cq55.base.automation.selenium.tests.login.sites.content.en_us.EnUsTest

ICanChooseTemplates

38.820s

SauceFirefox

TIMING:

38.820s

TEST RESULT:

java.lang.AssertionError:

Allowed Templates: VP00 Allowed Templates: lists don't have the same size expected [4] but found [2]

http://localhost:5984/test_results/EnUsTest_ICanChooseTemplates_3633_20141014172307537/VP00_Allowed_Templates.png

OUTPUT:

TEST STEP: Given I am on the locale:en_us

TEST STEP: Opening page: BP TS3

TEST STEP: Opening page: en_us

TEST STEP: When I click create page

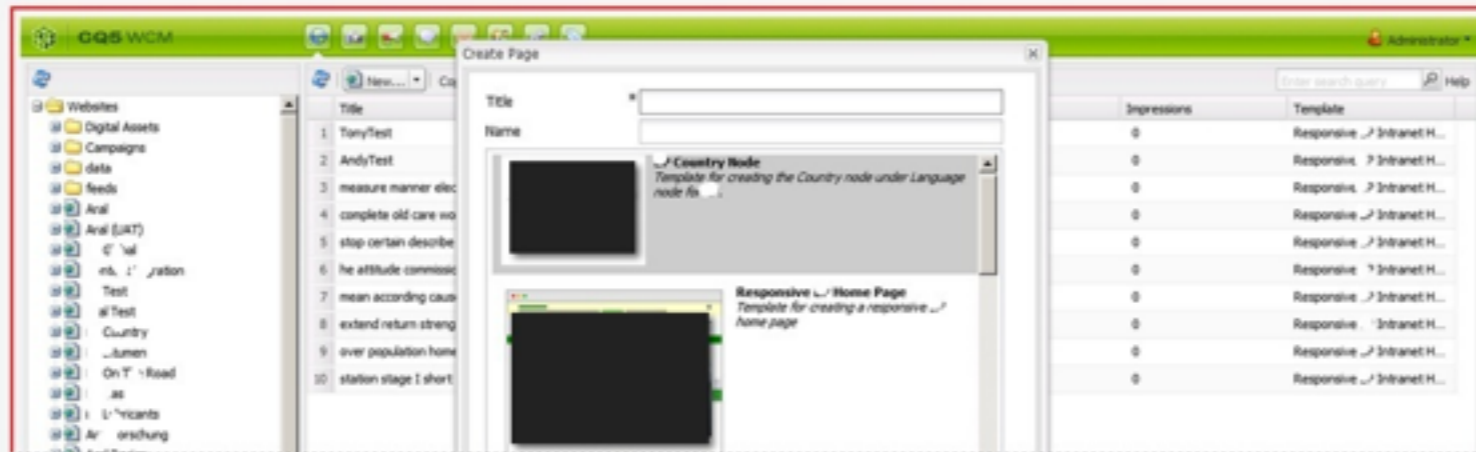
TEST STEP: Then I Should See The Allowed Templates [Country Node, Responsive Home Page, Responsive Intranet Home Page, Responsive Home Page (no CN)]

Verify Allowed Templates Are [Country Node, Responsive Home Page, Responsive Intranet Home Page, Responsive Home Page (no CN)]

SE STEP: Waiting for element to contain text: By.selector: .template-title, Country Node

SE STEP: Get Text From Multiple: By.selector: .template-title

VERIFICATION: VP00 Allowed Templates: Verify Actual: '[Country Node, Responsive Home Page]' Collection Equals Expected: '[Country Node, Responsive Home Page, Responsive Intranet Home Page, Responsive Home Page (no CN)]'



Test Summary Verifications Passed: 0 Verifications Failed: 1

CURE

- USE ~~PAGE~~ OBJECT DESIGN PATTERN
- CLEAN UP AND REFACTOR OFTEN
 - *LAYERS*
 - *MODULAR*
 - *ACTIONABLE*
- DON'T BE AFRAID OF CHANGE

RECAP

- THE MISSING PROJECT ■
- TRAINING MANUAL TESTERS ■
- BUSINESS READABLE TRAP ■
- RECORD AND PLAYBACK ■
- TUMORS ■

THANK
YOU

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