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.
DOES THE TEAM SUPPORT TEST AUTOMATION?
THE ORGANIZATION?
DO YOU HAVE RESOURCES AT YOUR DISPOSAL TO PROCURE AUTOMATION SOFTWARE, HARDWARE, AND PEOPLE?
ARE YOU TRYING TO TRAIN MANUAL TESTERS?
ARE YOU TRYING TO CONVERT YOUR MANUAL TEST CASES INTO AUTOMATED TEST CASES?
DOES YOUR PRIMARY CONCERN REVOLVE AROUND MAKING AUTOMATION BUSINESS ACCESSIBLE?
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
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
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
4 RECORD AND PLAYBACK
SYMPTOM

DEPEND ON RECORD AND PLAYBACK
CURE

THREE LEVELS OF AUTOMATION FRAMEWORK MATURITY

REC & PLAY    EXPORT TO CODE    HAND CODED
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

## Suite

<table>
<thead>
<tr>
<th></th>
<th>Duration</th>
<th>Passed</th>
<th>Skipped</th>
<th>Failed</th>
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<tbody>
<tr>
<td>All</td>
<td>159.824s</td>
<td>5</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Total</td>
<td></td>
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</table>

**All**

Test duration: 159.824s

**Passed Tests**

```java
com.akqa.cq5.base.automation.selenium.tests.login.sites.Test
```

**ICanChooseTemplates** 14.547s

**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

**VERIFICATION:** VPO0 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://selenium-standalone-test2.local: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 TS
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)']
Verify: allowed templates are ['./Country Node', 'Responsive . ./Home Page', 'Responsive . ./Intranet Home Page', 'Responsive . ./Home Page (no CN)']
SE: Get text from multiple: By: . selector: .template-title

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