

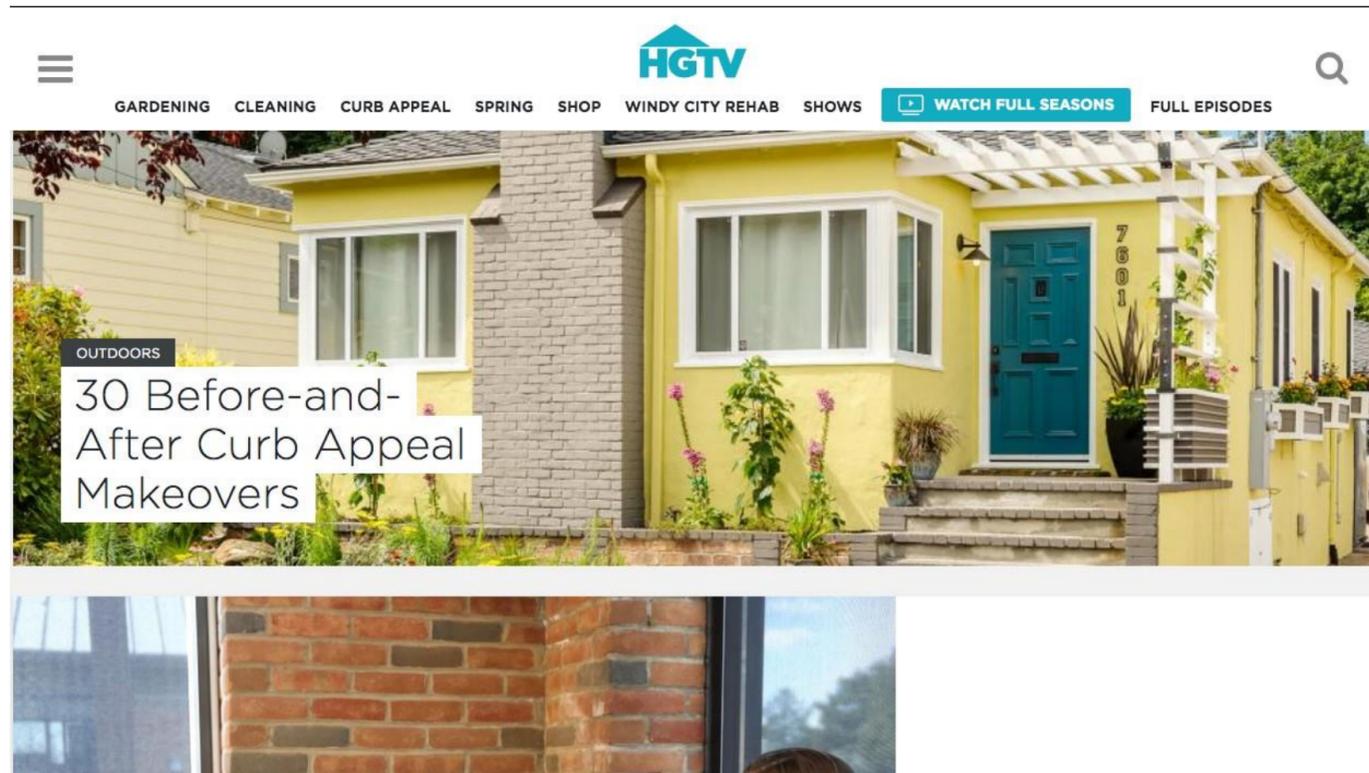


STP SOFTWARE
TEST PROFESSIONALS
CONFERENCE SPRING 2019

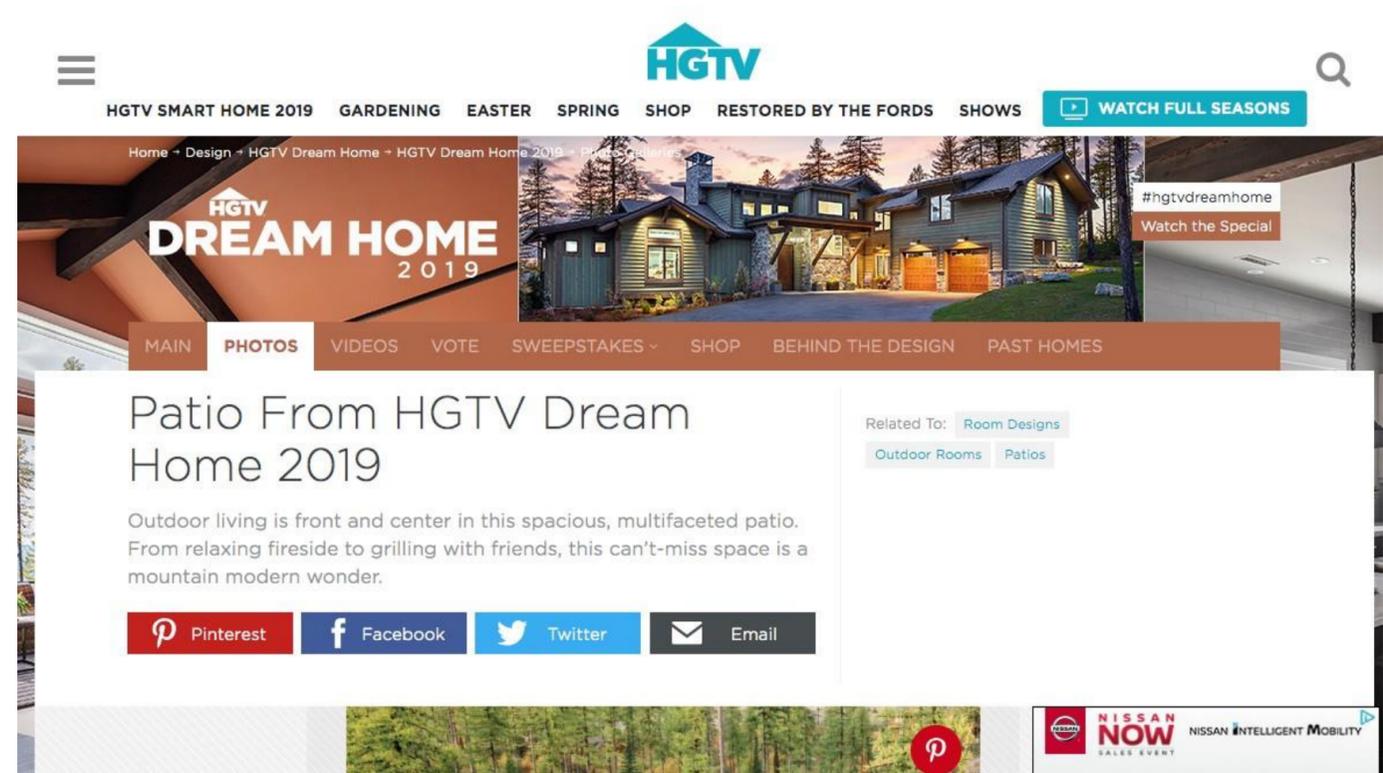
Trials and Tribulations of Test Testing

Brian Saylor / Automation Architect
Discovery Inc.





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What's Cooking


Spring Weeknights


Healthy Food. Fast



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RECIPE COURTESY OF PAULA DEEN

The Lady's Brunch Burger

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TEXT

WHAT IS A RELIABLE TEST?

- Deterministic
- Always pass when the application feature is working
- Always fail when the application feature is not working

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TEXT

WHY AUTOMATE?

- Increase throughput
- Decrease turn around time
- Increase product quality
- Decrease cost
- My boss said so
- It is Fun!



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TEXT

NONDETERMINISTIC EFFECTS

- Increased Manual Testing
- Loss of Confidence
- Ignored
- Abandonment



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TEXT

IT 'MIGHT' CATCH THE PROBLEM

AnonymousTestEngineer

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TEXT

WHY DOES IT FAIL?

- Race Conditions
- Intermittent System Errors
- Environment Stability
- Destructive Tests
- Lack Of Test Data
- Application Changes
- Third-Party Dependencies
- Apathy
- Untested Tests

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TEXT

WHY DON'T WE TEST?

- Testing Doesn't Apply to Us!
- We Are Testing!
- It Takes Too Much Time
- I Don't Know How

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TEXT

‘WHAT PERCENTAGE OF MY TESTS SHOULD PASS FOR ME TO CONSIDER IT ACCEPTABLE?’

Anonymous Test Developer

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TEXT

‘TEST CODE IS APPLICATION CODE IT SHOULD BE TREATED THE SAME’

Brian Saylor

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STEP ONE: CODE REVIEW

TEXT

PERREVIEWING

- What is the intention of the test?
- Does the test have value?

TEXT

FEERREVIEWING

- Poor code quality
 - Duplicate Code
 - Fragile Locators
 - Difficult to understand or maintain

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TEXT

FEERREVIEWING

- Poor Test Data
- Destructive Tests
- Fixed Waits

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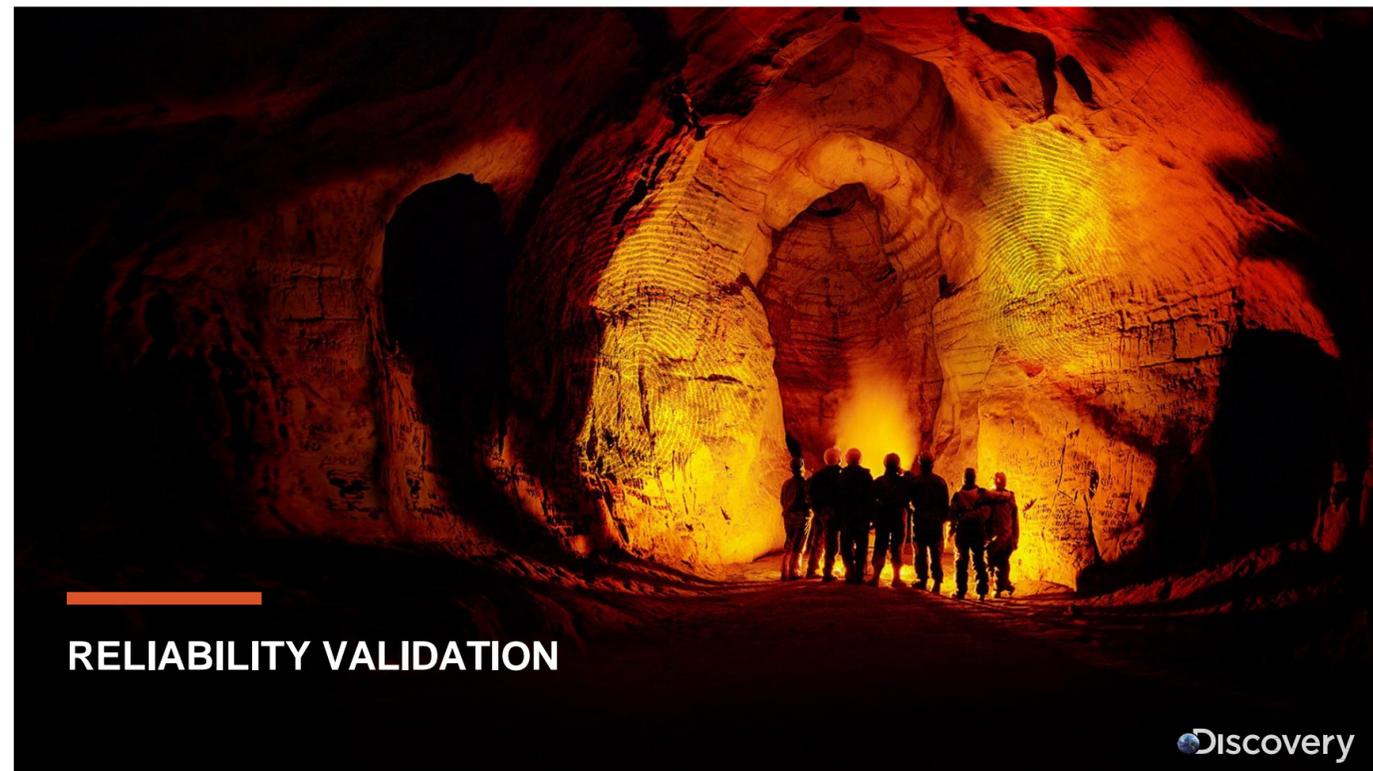
TEXT

FEERREVEANG

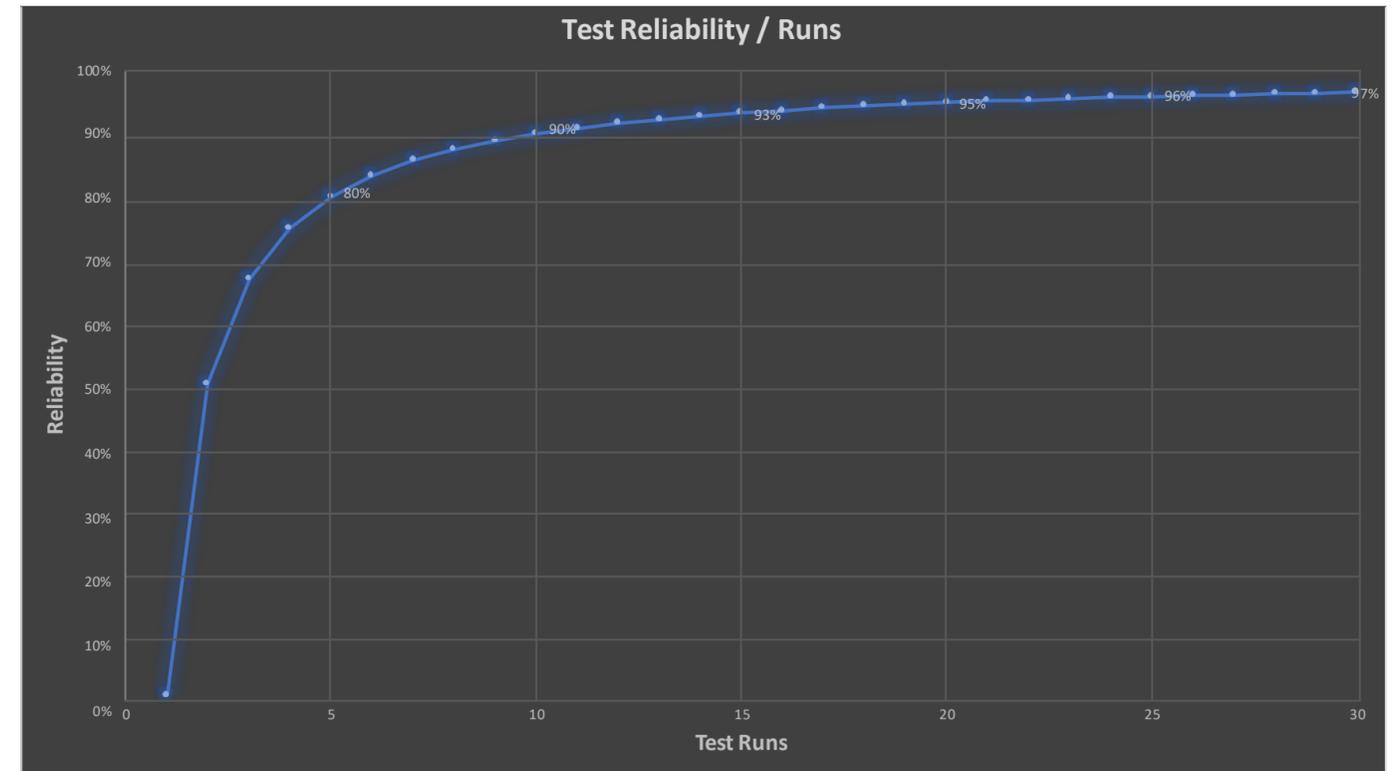
- Identify third-party dependencies
- Identify alternate code paths
- Identify the validation steps



STEP TWO: TESTING



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TEXT

UNITESING

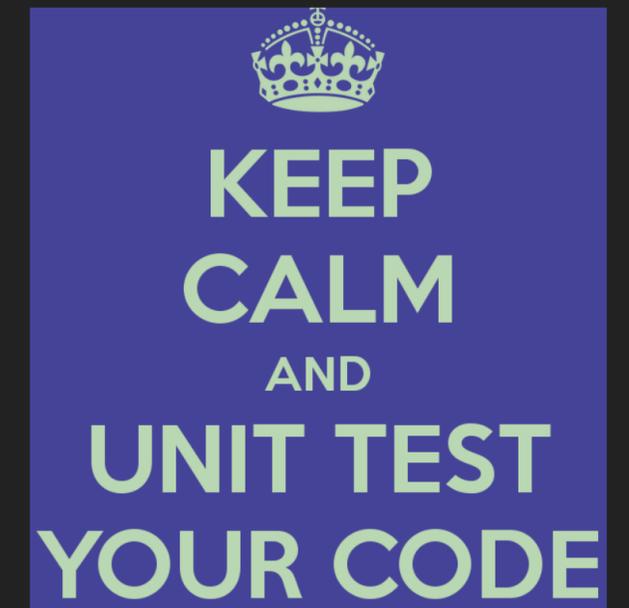
- ▶ Unit Testing is only for application code.
- ▶ Adding Unit Tests would take more time.
- ▶ Unit Testing is for developers.
- ▶ Adding Unit Tests to UI Test Code could open tears in Space/Time.

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TEXT

UNITESING

- ▶ Shared test code
- ▶ Utility functions



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TEXT

THANKYOU

- ▶ Visit my Website:
 - ▶ www.chaosincomputing.com
- ▶ Proxy Software
 - ▶ Charles : www.charlesproxy.com
 - ▶ Browsermob : bmp.lightbody.com
 - ▶ WireMock : wiremock.org

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