

Teaching and Coaching

Exploratory Testing

with an Example



by Maaret Pyhäjärvi



How Would You Test This?

*She's like "I want to exploratory test your ApprovalTests" and I'm like "Yeah, go for it", cause it's all written test first and its code I'm very proud of. And **she destroyed it in like an hour and a half.***

<http://visible-quality.blogspot.fi/2017/03/from-appreciation-of-shallow-testing.html>

**Testers don't break
the code, they break
your illusions about
the code**

Adapted from James Bach

How Would You Test This?

Gilded Rose

By Emily Bache

(available in 32 languages...)

<https://github.com/emilybache/GildedRose-Refactoring-Kata>

|Gilded Rose Requirements Specification

Hi and welcome to team Gilded Rose. As you know, we are a small inn with a prime location in a prominent city ran by a friendly innkeeper named Allison. We also buy and sell only the finest goods.

Unfortunately, our **goods are constantly degrading in quality as they approach their sell by date**. We have a **system in place that updates our inventory for us**. It was developed by a no-nonsense type named Leeroy, who has moved on to new adventures.

First an introduction to our system:

- All items have a SellIn value which denotes the number of days we have to sell the item
- All items have a Quality value which denotes how valuable the item is
- At the end of each day our system lowers both values for every item

Pretty simple, right? Well this is where it gets interesting:

- Once the sell by date has passed, Quality degrades twice as fast
- The Quality of an item is never negative
- "Aged Brie" actually increases in Quality the older it gets
- The Quality of an item is never more than 50
- "Sulfuras", being a legendary item, never has to be sold or decreases in Quality
- "Backstage passes", like aged brie, increases in Quality as its SellIn value approaches;
Quality increases by 2 when there are 10 days or less and by 3 when there are 5 days or less but
Quality drops to 0 after the concert

Just for clarification, an item can never have its Quality increase above 50, however "Sulfuras" is a legendary item and as such its Quality is 80 and it never alters.

What Did You Just Demo?

A Demonstration of Test Automation?

Exploratory Unit Testing of Legacy Code

Combining My ideas of the world, Specification and Code Coverage while Testing

Shallow vs. Deep Testing

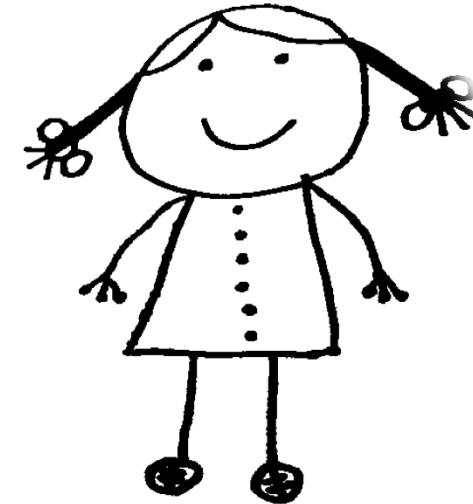
Difference in the Learning

Disposable test automation

Test automation
as documentation

Exploratory Testing

Test
Automation



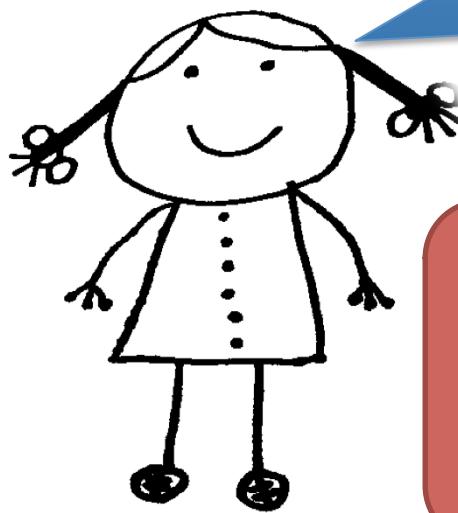
*Exploratory
Tester*

Test Automation

Exploratory
Testing



*Test Automation
specialist*



Focus on the 1st (always different) test execution because repeating narrows scope!



Focus on the repeating test execution to capture it. Repeating exactly is valuable!

*Exploratory
Tester*

*Test Automation
specialist*

Pair Programming



Strong-Style Navigation
I have an idea – YOU take the
keyboard!



Mob Programming

Strong-Style Navigation
I have an idea – YOU take the
keyboard!



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