Exploratory Testing in the Enterprise

CQAA June 22, 2011 Partner, DeveloperTown

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Articles and Blogs

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Author of the chapter on "Session Based Test Management" in upcoming book *How to Reduce the Cost of Software Testing*





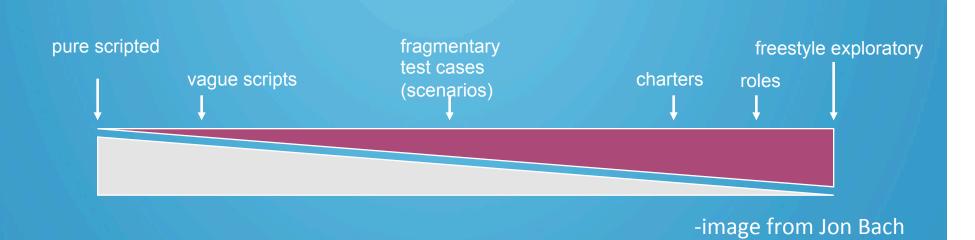
A STORY

- 3 testers instead of 15
- 66% (or \$200,000) cheaper than budgeted
- two-week shorter window for testing
- delivered on time
- no serious defects in production

HOW?

"Simultaneous learning, test design, and test execution."

- James Bach



the tester, the way they work,
and their ability to work in the future, is
as important as
the product being tested

What makes them "exploratory?"

Self Management



Developing Ideas

Examining the Product

There's always resistance

A desire for visible, track-able, progress

It's difficult to quantitatively measure coverage

There's extraordinary pressure for "reuse" and "cost control"

Session Based Test Management

charters



- charters
- time-boxed

- charters
- time-boxed
- session notes

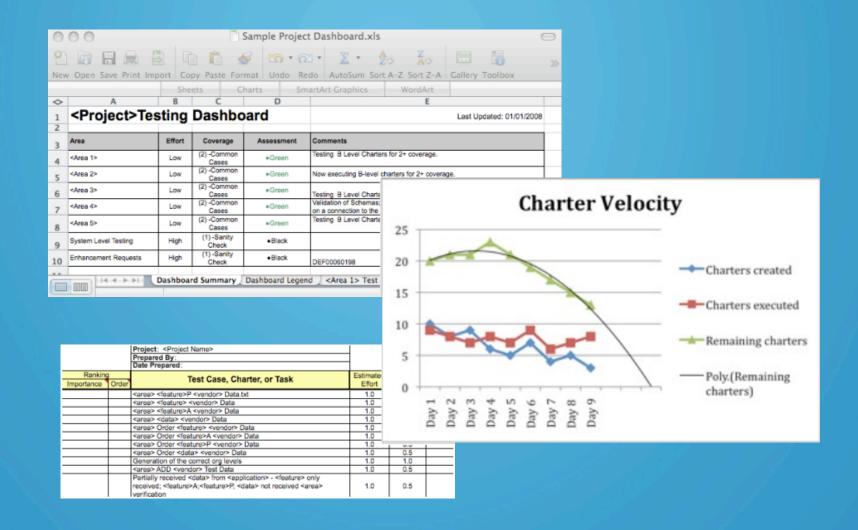
- charters
- time-boxed
- session notes
- debriefs

- charters
- time-boxed
- session notes
- debriefs
- team prioritization

- charters
- time-boxed
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- ad-hoc test documentation

- charters
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- ad-hoc test automation

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- ad-hoc test documentation
- ad-hoc test automation
- dynamic metrics and reporting



Focus on dealing with uncertainty

START



Begin by implementing a specific practice

Add exploratory testing days to the end of existing test cycles

Carve out a small portion of an existing project and apply exploratory testing to that portion

Run a pilot project

Responding to concerns

the Michael Jordan effect

"We don't do agile."

"What about regression testing?"

"We hand our test scripts off for test automation..."

"How do you provide traceability?"

"Your percent complete keeps changing!"

"Don't we lose the ability to add people late in the project if we get sideways?" "Our testers aren't subject matter experts."

"We can't afford all senior testers."

"How do you make charters repeatable?"

"What about estimation?"

Questions?

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