# Why I Am Not (Yet) Certified Michael Bolton DevelopSense http://www.developsense.com EuroSTAR December 2007







This is what I do to obtain credibility as a tester:

I test. You observe. We talk. You decide.

This is my principal certification scheme.



### Additional Forms of Certification

- I've named a test technique ("blink testing")
- I write (apparently interminably) in software-testing, agile-testing, sw-improve, comp.software.testing
- I blog intermittently
- I've worked in diverse roles, organizations, and projects
- · I have a CV that notes all of these things
- I invite everyone to challenge my ideas, and defend them as credibly as I can



### Additional Forms of Certification

 I can also believe I can claim respect from Jonathan Bach, Fiona Charles, Lee Copeland, Jeremy Cruz, Esther Derby, Earl Everett, Pierre Garigue, David Gilbert, Adam Goucher, Don Gray, Dawn Haynes, Shrini Kulkarni, Derek Longmuir, Larry Mayer, Tommas Marchese, Brian Marick, Rob Sabourin, Larry St. Aubin, Dan Spear, Charlie Trainor, Adam White...







### How I Study for My Certification

- I read books and articles that are *not* about testing
  - science and physics
  - mathematics and statistics
  - cognitive psychology and critical thinking
  - computer programming and software design
  - food and cooking
  - general systems
  - medicine
  - economics
  - social sciences
  - history
  - comedy
- I relate these disciplines to testing, and can describe the value of the relationships

### How I Study for My Certification

- I practice and teach *testing* whereby I gain experience by succeeding and failing
- I practice critical thinking
  - whereby I try to avoid fooling myself and others
- I practice systems thinking
  whereby I learn to see the big and small pictures
- I practice programming
  - whereby I obtain humility
- · I practice describing my practices
  - orally
  - in writing
  - in presentations (like this one)
- I participate in a community that works this way.













#### Today's Testing Certifications Are Just Like Bad Testing

- They're trivial
- They're based on memorizing prescriptive bodies of knowledge, not learning skill and critical thinking
- They emphasize ease of asking the question over the value of obtaining the answer
- They're based on scripted processes
- They're highly confirmatory
- There is no room for discovery or investigation of unanticipated strengths or weaknesses of the system (person) under test



# Have We Checked In?

- I have spoken to *dozens* of testers who have taken certification exams.
- Of these, one thought that it was technically and professionally worthwhile; the rest were going through the motions
- In a public panel discussion, a colleague expressed sympathy for people who were denied jobs, and for people who failed...
- ...but she *really* squirmed when I asked if she felt bad about any people who *passed*



#### Arguments For (And Against) The Status Quo

"Multiple choice tests are 'objective'."

- a) No, they're not
- b) They're constrained to single answers
- c) They ignore context
- d) They're mostly based on folklore (about testing simpler products) that has persisted for 30 years
- e) They're based on heavyweight approaches, and don't embrace more responsive processes
- f) They can be passed without serious knowledge or study of the subject

## Is an "objective" trivial test better than a "subjective" stronger test?















### Foundation Level

- If we are to have a foundation-level certification test, let's make it *free*.
- This is entirely achievable
  - Self-study via video: Black Box Software Testing, Google Tech Talks, etc.
  - Optional: facilitated BBST
  - Online exams via Webcams

If you want to sell certification courses, remove the perception of conflict of interest.















