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* Lean Quality Assurance: 7 better ways to get quality than testing
* 1.       **Target audience**: people who are concerned with improving all quality aspects of products and services, while reducing the costs of testing and older forms of QC . Typical job titles are
* Test managers, QA and QC people. The approach is upstream and 'design quality in', so people interested in designing qualities into products will enjoy this too.
* 2.       Max size: 40 (20 per instructor)
* 3.       Instructors: Tom Gilb and Kai Gilb
* Detail on Lean QA
* **THE PROBLEM**: testing costs too much, but is in fact ineffective. There are many proven methods for ensuring much better qualities, much sooner. But testers cannot be held responsible for deploying them. This is a CIO, CTO, QA-manager responsibility.
*  Our ´lean´ methods operate upstream, up front, pro-active, and with rapid learning.
*  **OUR SOLUTION**: We present a powerful selection of methods that can help you help to improve your software qualities *dramatically*, at *low cost*. All are freely adoptable. All can be *tailored* to your development environment immediately. All of them give *measurable* improvements.
*  Many real stakeholders have to be considered in QA. Not just the ‘user’ and ‘customer’ or the ‘tester’.
*  You can expect dozens of simple, but deep, and true, nuggets of real practical wisdom – from long experience and first hand practice.
*  You will *not* get re-iteration of conventional wisdom. You will get deep principles and methods that really work.
*  You will get the benefit of our decades of real experience internationally at IBM, HP, Boeing, Citigroup, JP Morgan, Credit Suisse, Siemens, Ericsson, Nokia, Philips, Rolls Royce, Intel and other top corporations.
*  This course is fact-based, on real life cases, of the lecturer, and others.
* Detailed Subject Matter
* **STAKEHOLDER QUALITY**: Stakeholder quality analysis and specification.
*  **QUALITY QUANTIFICATION**: All quality requirements need to be quantified, to reflect all critical quality dimensions.
*  **QUALITY BY DESIGN**: Design Quality In! Don’t try to *test* it in. How to find and evaluate designs that give us needed quality levels. How to *estimate* impact of designs and architectures on requirement levels, as the basis for ‘assuring’ that we have later reached planned quality levels. Smart architecture for quality.
*  **QUALITY DECISION TABLES**: a practical tool for managing multiple qualities, multiple costs, and multiple architecture and strategy options - quantitatively and objectively.
*  **AGILE QC**: Establish ‘agile quality control’, a quantified simple review process. This includes measuring the quality of requirements, designs, code, test plans. It will give people strong motivation to follow best standards practices.
*  **QUANTIFIED QUALITY PROCESS GATES**: Quantified Process Entry and Exit Control, to drive learning, and practice, of your standards.
*  **QUALITY BY FEEDBACK**: Evolutionary Product Quality Development: one step above conventional ‘agile’ in dealing with quality. The Unity (111111) method for decomposing architecture into high quality increments.
*  **Quantify Maintainability Requirements:** Engineer a variety of maintainabilty qualities (Portability, Maintainability, Adaptability)
* Documentation:
  + All documentation will be digital on a USB Memory stick, over 200 slide sets, papers and case studies, standards, books (3 to 5 GB)
  + Much of the documentation is already downloadable freely at www.gilb.com
* Typical Feedback from a few of the 35 Participants on Lean QA (3 day version)
  + January 2011 London British Computer Society
  + “Great few days of very interesting improvements to my outlook on QA” DM
  + ”Brilliant, excellent course and lecturer” SH
  + “Thanks, you have made me think” Steve P.
  + “Tom, you are inspirational! What I have been waiting for all my QA 15 year career” Miriam
  + “A wonderful experience, perfectly delivered. A big thank you. Will cherish for a long time to come” Brian A
  + “Many thanks for your inspirational training in Lean QA course, which I enjoyed. I’ll adopt your strategies further and ‘Evo’ it into my research. MC
  + “Brilliant!!” PK
  + “Thanks for a really good course. I intend to put it into practice.” Riet
  + “A Very inspirational course” Steve T
  + “Great ideas. Can’t wait to use.” MM
  + “Great Job Tom. Thank you for sharing your wisdom” ☺ John W
  + “Thanks Tom for eye opening course” Giorgio
  + “Mind Blowing” PK
  + “What a privilege to hear so much wisdom from you. Many thanks” Alice
  + and many more like this