

Generating Great Testing Ideas

Uncover great testing ideas in this interactive tutorial that blends dynamic exercises with real world examples. Test engineers, test managers, developers, QA engineers, and all software managers will benefit from this course.

- Identify a rich mosaic of testing ideas
- Learn powerful testing ideas which deliver more value with less testing
- Discover test ideas from explicit and implicit requirements and constraints
- Expose weaknesses in design by blending black box, white box and grey box approaches
- Take a deep look at quick tests for almost any quality attributes
- Ensure the system suits the purpose of software under test

Break Out Of The Rut

Are you in a rut? Is your time wasted checking compliance to incomprehensible requirements? Are you shackled to test coverage models? This tutorial helps break testers out of their bonds. Industry veteran Rob Sabourin shows how you can uncover great testing ideas. This interactive tutorial blends dynamic exercises with real world examples teaching important concepts which can be applied right away.

Collect Test Ideas From Many Sources

The tutorial explores a rich mosaic of test sources. Ideas can emerge from explicit, implied, incomplete and even out of date requirements. Testers will learn how software designs can expose product weakness. Discover usage scenario test ideas by talking with customers, operators and system administrators. Test experiments can be inspired by products quality characteristics. User stories can reveal important acceptance tests. Cross functional tests help unearth resource contention risks. Static analysis can help testers find out about concealed product weakness which testing attacks may exploit. Test ideas can come from how similar systems or projects have failed. You will learn how various bug taxonomies can highlight new testing ideas. Other sources include: state models, control flow, data and system environment.

Tried And Trusted Approaches

Robert helps testers get out of the rut, think outside the box and uncover valuable tests from unlikely places. Many real world case studies and fully worked out examples are provided to let you get started right away.

Who Should Attend

This course is appropriate for anyone who works in fast-paced development environments, including test engineers, test managers, developers, QA engineers, and all software managers.

Course Outline:

Introduction
Some philosophy
Why look for more ideas when we have less time
The usual suspects and some Unlikely Sources
Value from variety

Test Ideas
Capabilities
Failure modes
Software breaking
Quality factors
Usage scenarios
Creative Ideas
State models
Data
Environment
White box
Taxonomies
Gap analysis
Story tests

Test Ideas (continued)
Cross story interference
Control flow
Business rules
Combinations
Pareto analysis

Selecting the Right Ideas
Testing triage
Deciding what not to test
Refactoring tests
Project Context

Getting Started
Implementing test ideas
Fitting test ideas into your workflow for any lifecycle model
Turning test ideas into test actions

Class Schedule:

Day 1: 1:00pm-4:00pm ET/10:00am-1:00pm PT

Day 2: 1:00pm-4:00pm ET/10:00am-1:00pm PT

Price:

Course Fee Includes:

- Easy course access: Attend training right from your computer and easily connect your audio via computer or phone. Easy and quick access fits today's working style and eliminates expensive travel and long days in the classroom.
 - Live, expert instruction: Instructors are sought-after practitioners, highly-experienced in the industry who deliver a professional learning experience in real-time.
 - Valuable course materials: Courses cover the same professional content as our classroom training, and students have direct access to valuable materials.
 - Rich virtual learning environment: A variety of tools are built in to the learning platform to engage learners through dynamic delivery and to facilitate a multi-directional flow of information.
 - Hands-on exercises: An essential component to any learning experience is applying what you have learned. Using the latest technology, your instructor can provide hands-on exercises, group activities, and breakout sessions.
 - Real-time communication: Communicate real-time directly with the instructor. Ask questions, provide comments, and participate in the class discussions.
 - Peer interaction: Networking with peers has always been a valuable part of any classroom training. Live Virtual training gives you the opportunity to interact with and learn from the other attendees during breakout sessions, course lecture, and Q&A.
 - Convenient schedule: Course instruction is divided into modules no longer than four hours per day. This schedule makes it easy to get the training you need without taking days out of the office and setting aside projects.
 - Small class size: Live Virtual courses are limited in small class size to ensure an opportunity for personal interaction.
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