Test design techniques of IT systems

Training Details

Duration: 2 days.
Price: 13 900 kr + VAT
Registration: 09:00.
Start: kl. 09:30.
End: 17:00 (approx)
Place: To be announced
Lunch: included in price

Lecturers

Torbjörn Ryber
is a true test enthusiast and a popular speaker at conferences. He has spoken about test to several thousand people. He also has published comprehensive and practical overview of nearly all most used test design techniques in his book "Essential Software Test Design".

Who should participate?

The course is intended for:
- People working in quality management or testing area
- Those who work or will work as test leaders or testers
- System analysts
- Test managers

Prerequisites

It is an advantage to have basic knowledge of testing practices

Goals

The training provides a solid foundation within a large number of important aspects concerning the area of testing. After completion, the participants can understand and implement following concepts:
- The basic testing process
- Testability: dividing system into parts and creating oracles
- Techniques to select and create test cases
- Test design technique selection principles

Summary

Test design is often called the "heart of testing". In fact, quality assurance in practice boils down to choosing an optimal test design technique and implementing it effectively.

During two days the trainees will be taken deeper into the test design realm by Torbjörn Ryber himself. Torbjörn will share his extensive knowledge from Ericsson and many other multinational companies in the area of testing various systems and choosing the most effective approach for testing.

The course will be held in English.

You will learn:
- How you can achieve satisfied clients and users and at the same time reduce development costs.
- What should be tested and how this process is practically performed
- Basics of methodologies and techniques within test
- How to choose appropriate test design techniques
- How to apply most popular test design techniques (your experience will be bolstered with exercises)

Course Content

Introduction to Test

- Overview of the course
- What is test?
- Why do we need to test?
- Can we test everything?

Test design techniques

- Data driven: equivalence partitioning, boundary values, classification trees
- Combinatory: 1-wise, pair-wise, base choice, N-wise coverage
- Logic: Decision trees and decision tables
- Flows: Use case testing with flow analysis
- State based: dialogues, event-driven, object driven systems
- Risk based techniques: attack patterns, risk lists
- User centered: How to create good scenarios

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