



Practical Software Requirements Management

Training Description

Overview

This training provides a solid understanding of the key role that requirements management plays within the software development cycle. Particular focus areas are the use of RM tools and the rapid introduction of requirements management into day-to-day software development activities. Examples from industrial software practice and related exercises train effective requirements management skills.

Target Groups

Business Analysts, Requirements Management, Product Management, Quality Management, Project Management

Level

Entry & Advanced

Contents

- Application lifecycle management (ALM) and the role of RM
- Project-oriented RM
- RM during product development
- Foundations of RM
- Eliciting requirements
- Documenting and reviewing requirements
- Managing requirements
- Selecting and establishing RM tools
- RM support for project management
- Reporting on progress and quality
- Requirements-based testing
- RM in agile software development
- Introducing and establishing RM



Duration

2 Days

Maximum Number of Participants

12 Persons

Summary

Systematic requirements management (RM) is an important foundation of successful software projects. In order to adopt systematic RM, software organizations should select those RM methods that fit their specific goals and needs. They should integrate the methods well into the existing development practices and establish effective tool support. A suitable customization and integration of RM methods and tools is particularly important for successful requirements management.

The persons in charge of requirements management--mainly business analysts, architects, product managers, and project managers--must deal with the following questions:

- What is the role of RM throughout the development cycle?
- How can RM be adapted to different context situations in software organizations? (e.g., project size, software type, agile development, and subcontracted development)
- What are the basic RM skills that all project participants should possess?
- How can RM tools be used effectively?
- How can systematic RM be established rapidly and effectively throughout a software organization?

This training provides a solid understanding of the key role that requirements management plays within the software development cycle. It presents useful RM approaches for typical situations in software projects and organizations, it builds competences for eliciting, documenting, validating, and managing requirements, and it explains how to establish and gradually extend requirements management throughout the enterprise. Particular focus areas are the use of RM tools and the rapid introduction of requirements management into day-to-day software development activities.

Examples from industrial software practice and related exercises train effective requirements management skills. Participants learn how to use modern RM practices that support project management and development, and that contribute to high product quality.



Trainer CVs

Dr. **Andreas Birk** is founder and principal consultant of Software.Process.Management. He helps organizations to optimally align their software processes with their business goals. His focus areas are requirements, test management, and software process improvement.

In more than fifteen years in the software industry, Andreas Birk has built a profound understanding how software and IT contribute to sustained business success. He publishes in renowned IT journals and speaks regularly at international conferences.

Gerald Heller is a software process consultant with more than 20 years experience in global software product development. In this context, he has defined and implemented a broad range of development methods with a focus on requirements and test management for iterative incremental development. He has extensive experience in establishing software development processes with integrated support of application lifecycle tools.

Gerald Heller publishes in software engineering magazines and speaks regularly at international conferences.