

Requirements Engineering (RE) has been recognized as an important discipline in engineering for a while. But even though the basics are easy and often common sense, there are some pitfalls that can easily be avoided.

To maximize the benefits of requirements engineering in an organization, tools are indispensable. This workshop will provide an introduction to RE, and an overview of available tools. Exercises using the free tool formalmind Studio will also be provided to demonstrate practical application.

## Content

This is an interactive workshop, describing the principles of requirements engineering combined with a practical case study that is realized using our free requirements tool.

You learn what requirements are and how good requirements are elicited and articulated. We look at the various stakeholders of requirements and their various needs. You receive a number of practical tools: quality criteria lists, templates, etc.

The role of tools is discussed, in particular as a vehicle for communication both within an organization and beyond it—for instance with suppliers. You practice the material hands-on by working collaboratively on the case study.

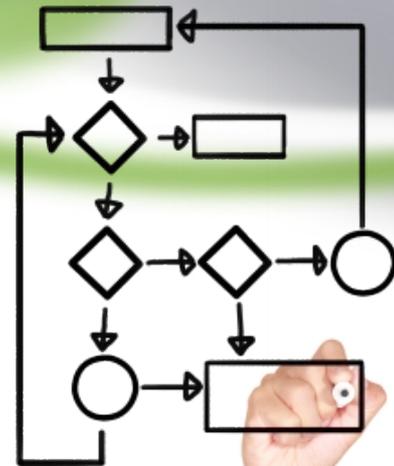
An important aspect of RE is process. Some of the better-known are introduced—V-Model, RUP, Agile—and their various advantages and disadvantages discussed.

Integrating RE with other disciplines is important; therefore, we discuss testing, project management, the system specification process and more. There is a strong focus on traceability and its benefits, e.g., for change management.

Lastly, modeling is touched upon. We ask, what models are useful? And how are they connected to the requirements? Some practical examples demonstrate modeling in Eclipse, with traceability to requirements.

## Added Value

After this workshop, you will understand the benefits of requirements engineering and you will know how to effectively create and manage requirements. You will have an understanding of the available tools and will be in a position to pick the right tool for your task at hand. You will have an understanding of the role of requirements engineering in the overall development process.



## At a glance

In this workshop you will learn the basics of requirements engineering. This is an interactive workshop, using the free formalmind Studio as the requirements tool.

**Duration:** 1 day (recommended), 2 days possible.

**Type:** On-site interactive workshop.

**Prerequisites:** None.

**Target Groups:** Software and system engineers, product managers, heads of development departments, sales engineers.

**Equipment:** Personal computers with Java 7 installed.

**Languages:** English or German (Teaching Materials in English).

**Cost:** Upon request.

**Dates:** Upon agreement.

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