E2E analýza s AI: od zadání ke specifikaci

Course code: GOC4608

A modern approach to analysis, in which AI is a common part of the analyst's work, not a separate topic. The course is intended for analysts who do business and IT analysis at the same time. It does not focus on one technique in depth, but on the connections between analytical outputs: when which artifact is created, what results from what and what is passed on to whom. Participants in one case study will go through the entire chain from taking over the assignment through the business dictionary, requirements, process and data view to the specification passed on to development. They use AI at every step: to speed up work, to design the first versions of outputs and to check their consistency. Equally important, they will learn to recognize where AI cannot be relied on. The goal is for participants to leave with a comprehensive idea of ??the modern work of an analyst and with a consistent set of outputs that development can build on. The course does not assume knowledge of specific modeling techniques.

Who is the course for

The course is intended for business and IT analysts who hold both roles in the company at the same time, and for analysts whose previous practice is one-sided, i.e. predominantly technical or predominantly business. It is also suitable for beginning analysts, product owners and developers or testers who are transitioning into analysis.

What will we teach you

- what outputs does an analyst create, at what stage and to whom does he/she hand them over
- take on the assignment and map the current state
- create a business dictionary and work with it
- collect, sort, prioritize and write down requirements
- capture the process in BPMN and connect it to the requirements
- convert the business dictionary into an ER diagram
- use wireframes to collect and verify requirements
- compile a functional and non-functional specification for development
- involve AI in individual steps of the analysis and critically verify its outputs

Required entry knowledge

- Basic orientation in the course of IT projects
- Knowledge of BPMN, UML or data modeling is not required

Course outline

Analytical output chain

- What artifacts does the analyst create and at what stage of the project
- Who takes them from whom and passes them on to whom
- Where in the chain does AI help and where can it not be relied upon

Taking on assignments and understanding the AS IS state

- What to take from the assignment and what to ask about
- Mapping the current state
- AI as an assistant when taking on assignments

Business dictionary

- Content and structure of a dictionary entry
- Why a dictionary is created first
- Creating a dictionary with the help of AI

Business requirements

- Requirements collection
- Types of requirements
- Prioritization of requirements

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- Writing requirements
- Where AI will speed up work with requirements

Process view

- AS IS and TO BE process model in BPMN (basic elements)
- Binding process to requirements: what comes from the process and what is missing
- Process modeling with AI support

Data view

- From business dictionary to ER diagram
- Entities, attributes and relationships in the basic scope
- AI in data modeling

Wireframes

- Wireframe, mockup and prototype
- Wireframe as a tool for collecting and validating requirements
- Rapid wireframe design using AI

Functional and non-functional specifications

- Difference between functional and non-functional specifications
- Connecting wireframes to specifications
- Roles and permissions
- Interface and error behavior
- Specification written with AI assistance

Handover to development

- What must be done before handover
- Analysis in waterfall and agile
- Final exercise: checking the consistency of the entire set of artifacts using AI

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