

# UML in Practice for Analysts

Course code: BEUML

The training provides essential knowledge about UML (Unified Modeling Language). Participants will learn the basic principles, notation, and the most common types of diagrams that UML offers. Each topic will be accompanied by practical examples and exercises so that participants can test their newly acquired knowledge on real-world scenarios.

## Who is the course for

Suitable for beginners as well as advanced learners who want to get acquainted with UML or deepen their knowledge.

## What we teach you

- Understand the basics of UML and why it is useful for system design.
- Learn the basic notation and rules for creating different UML diagrams.
- Practice creating UML diagrams based on specific examples.
- Gain the ability to apply UML in practice for software system design.

## Required skills

- Interest
- Basic knowledge of UML is an advantage, but not a requirement.
- Basic knowledge of object-oriented design is beneficial, but not mandatory.

## Teaching materials

Each training topic will be enriched with practical exercises in the form of case studies, allowing participants to practice all the discussed concepts. From the training, they will take away a comprehensive guide on how to use individual diagrams when analyzing a real case.

## Course outline

- Introduction to UML modeling
- Basic concepts and notation of different types of diagrams
- Class Diagrams
- Use Case Diagrams
- Sequence Diagrams
- Activity Diagrams
- State Machine Diagrams
- Component Diagrams
- How to combine different types of diagrams for a complete system design
- Tips for effective use of UML in a team
- Final discussions and review
- Summary and feedback

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