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TRAINING
PROGRAMME

UML OCUP2™ FOUNDATION

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Description

📅 2 days

⭐ Accredited training

💬 Language of training: English, Polish

📗 Language of materials: English, Polish

The OCUP2 Foundation training is based on the latest version of UML – version 2.5 and is in line with the requirements for the new version of the OCUP2 Foundation exam (OMG-OCUP2-FOUND100), in which more emphasis is placed on a practical approach to modeling and the ability to use knowledge in practice.

The software development process begins with the creation of proper documentation. Success at this stage of creating IT solutions is the key to efficient work completed with the delivery of a solution in accordance with the client's requirements. Knowledge and skills in using a commonly used modeling language is an opportunity for even better understanding between the participants of the software development process.

The training is dedicated to designers, software architects, business analysts, programmers, testers and other people participating in software development activities.

Purpose of the training

- ✅ Providing participants with basic knowledge and skills in the field of IT systems modeling in UML,
- ✅ Preparation for the OCUP2 Foundation exam.

Target group

- ✅ Business analysts and system analysts,
- ✅ People responsible for creating documentation of IT projects,
- ✅ Persons responsible for conducting tests of computer systems and applications,
- ✅ People managing IT teams.

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Benefits

- ✅ Acquiring knowledge about best practices in modeling IT systems,
- ✅ Getting to know the international modeling standard,
- ✅ General knowledge of UML notation and its terminology,
- ✅ Practical learning of risk mitigation in the project through efficient requirements modeling,
- ✅ Gaining knowledge that allows you to work at different levels of abstraction.

Exam and certification

- ✅ non-mandatory exam,
- ✅ exam purchased separately by participant, directly from Accreditor,
- ✅ multiple-choice, single-response questions test,
- ✅ number of questions: 90,
- ✅ pass threshold: 67% (60 out of 90 possible points),
- ✅ language of the exam: English,
- ✅ duration: 120 minutes (150 minutes for non-native speakers),
- ✅ mode: online,
- ✅ date: post training, selected by participants at the Accreditor's availability,
- ✅ closed book - no use of materials,
- ✅ validity of the certificate: 3 years,
- ✅ the participant who scores the necessary number of points in the exam is awarded the international certificate in electronic form.

Training programme

MODULE 1 – INTRODUCTION TO UML

- ✅ What is UML?
- ✅ History of UML
- ✅ What and when we model
- ✅ Principles of modeling

MODULE 2 – UML STRUCTURE

- ✅ UML 2.5 specification
- ✅ Types of UML diagrams
- ✅ UML construction

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MODULE 3 – USE CASE DIAGRAM

- ✅ Use Case Diagram
- ✅ Actor
- ✅ Use case
- ✅ Subject
- ✅ Use case grouping
- ✅ Relationships

MODULE 4 – ACTIVITY DIAGRAM

- ✅ Activity Diagram
- ✅ Activity
- ✅ Action and object
- ✅ Flows
- ✅ Decision
- ✅ Merge
- ✅ Fork and Join
- ✅ Signals

MODULE 5 – CLASS DIAGRAM

- ✅ Class Diagram
- ✅ Data types
- ✅ Attribute syntax
- ✅ Types of attributes
- ✅ Operation syntax
- ✅ Signal
- ✅ Relationships
- ✅ Abstract class
- ✅ Interface

MODULE 6 – OBJECT DIAGRAM

- ✅ Object Diagram
- ✅ Object syntax
- ✅ Relationship

MODULE 7 – PACKAGE DIAGRAM

- ✅ Package diagram
- ✅ Namespace
- ✅ Package nesting
- ✅ Relationships

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- ✅ Model

MODULE 8 – SEQUENCE DIAGRAM

- ✅ Sequence Diagram
- ✅ Lifelines
- ✅ Participant
- ✅ Messages
- ✅ Time sequences

MODULE 9 – STATE MACHINE DIAGRAM

- ✅ State Machine Diagram
- ✅ State
- ✅ Composite state
- ✅ State – internal behaviours
- ✅ Transition
- ✅ Pseudostates
- ✅ Orthogonal state
- ✅ State changes algorithm

Methods and tools used in training

Training is conducted by **lecture and workshop** methods.

LECTURE PART	WORKSHOP PART
It is conducted on the basis of a multimedia presentation prepared by the presenter and is enriched by the use of moderated discussion, exchange of participants' experiences and case studies.	✅ small group exercises, ✅ individual exercises, ✅ case studies, ✅ moderated discussion, ✅ exchange of experience among participants.

The selection of the form and scope of training, supported by the professional and trainer's experience, ensures that participants **receive a comprehensive overview of the topics** and **acquire practical skills**.

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