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# Professional Scrum Developer PSD I training

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

2 days (14 hours)

## Presentation

The Professional Scrum Developer PSD I certification is a great opportunity if you want to improve your employability, as Scrum skills are in high demand on the job market. By mastering agile methods, you'll be able to adapt to market pressures.

Our PSD I training course for developers will enable you to better manage the creation of complex software. This Professional Scrum Developer I course will enable you to better apply the Scrum methodology, understand all the phases of software development and adopt agile best practices.

This training course will help you apply the Scrum framework, create a backlog and the different types of stories, and learn about development practices and team collaboration. PSD I certification is included in the course price.

## Objectives

- Understanding the role of the Agile developer
- Understand Agile design, development and testing practices
- Plan your actions in an agile project as a developer
- Prepare for the PSD 1 exam

## Target audience

- Developers
- Business Analysts
- Testers
- Agile team members

- Scrum masters
- Architects

## Prerequisites

- Training in agile methods
- Experience in software development is recommended
- A good level of written English

## Program of our Professional Scrum Developer training course

### Introduction

### Agility

- Why Agility?
- Origin and Manifesto
- Scope of application

### Scrum

- Scrum Theory
- Artifacts
- Events
- Roles
- Best practices

### Architecture and development

- Technical debt
- Good code practices
  - Common rules
  - SOLID model
  - GRASP model
  - Refactoring
  - Design Pattern
  - Pair-programming
  - Other practices and principles
- Architectural principles
  - Agile architecture
  - Layered architecture
  - The Spike principle
  - Cross-cutting concerns
- Bug handling

- Measures

## Testing and integration

- Test classification
- TDD principles
  - Concepts
  - Benefits
  - BDD principle
  - ATDD principle
- Continuous integration and automation
  - Concepts
  - Benefits
  - Installation and recommendations
  - Configuration management
- Infrastructure and tools

## Preparing for the "Professional Scrum Developer" PSD I exam Passing

the "PSD I" exam

## Further information

Professional Scrum Master 2 (PSM II) course

SCRUM Training

PSPO Certification Training

PSPO II Certification Training

PSD Certification Training

PMI-ACP Preparation and Certification

## Companies concerned

This course is aimed at both individuals and companies, large or small,

wishing to train its teams in a new advanced IT technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.