

Hands-on course , 2
day(s)
Ref : CCH

Participants

Anyone who is to be involved
in the writing of specifications:
Project owners, assistants
to project owners, lead
contractor who is to guide the
project owners.

Pre-requisites

No particular knowledge.

Next sessions

Writing up specifications

This course will show you how to write specifications for managerial computing projects. It will particularly teach you how to choose the right description level and to identify the right levels of granularity.

OBJECTIVES

Describing the main functions of an application to be developed with UML
Writing the clauses of a set of specifications for software development
Describing the development plan and project monitoring requirements in the specifications
Adding to particular specifications (integration, web, etc.);

1) Specifications: Goals and types

2) Contents of specifications

3) Specifications for software development

4) The development strategy

5) Other specifications

1) Specifications: Goals and types

- Expressing a need, forming a contractual relationship.
- Types of specifications Roles of specifications Life cycles
- The stakeholders involved. Project owners and lead contractors. Roles and responsibilities. Approval and decision-making.
- Role of pilots in specifications.
- Role of users. Role of experts

2) Contents of specifications

- Standard sections.
- Technical specifications, context of the project, description of needs, constraints, stakeholders.
- Legal clauses.

3) Specifications for software development

- An approach to defining the target information system. Diagnosing what already exists.
- Describing the context, the data, the business processes, the workflow.
- Describing the functions of the future application, the technical and software architecture.
- Defining the expected product in terms of quality.
- Representation techniques. Methods and diagrams. UML and Merise models
- Participation in the expression of needs. Stakeholders, participatory work techniques.

Workshop

Determining quality factors, criteria, and metrics. Translating a need, having it approved and translated for a lead contractor.

4) The development strategy

- How do you prepare a strategy? Risk assessment, risk reduction.
- Development plan, guidance measures, scheduling, setting up structures.
- Dividing the work into projects, into batches.
- General planning. Project monitoring requirements.
- Requesting additional services (functional acceptance work, data migration, etc.).

Workshop

Development strategy and assessment.

5) Other specifications

- Specifications for a software suite.
- Sections of integration specifications.
- For a Web solution. The specific sections.
- Specifications for project owners.