


TEN Competence

Building The European Network for Lifelong Competence Development



Scenarios, Use-cases and Domain Models

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The Domain Modelling Process



Scenario Template

Scenario Template

<u>Title of Scenario</u>	
<u>Scenario ID</u>	
<u>Author</u>	
<u>Date</u>	
<u>Description (Narrative)</u>	<u>Describe the context and the scenario as a narrative</u>
<u>Actors, Stakeholders</u>	<u>Outline the stakeholders involved</u>
<u>Relevant WP</u>	<u>Outline the involved TENCompetence workpackages and/or the levels from knowledge resources, learning activities, competence development programmes, and learning networks.</u>
<u>Related Use Cases</u>	<u>If applicable list related and mentioned use cases</u>



Enter The Matrix

Episodes and Scenarios

stakeholder perspectives

levels of complexity

For each stakeholder perspective and level of complexity

current solution

describe

future solution



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The Matrix

Sample Stakeholder Perspectives

- Teacher
- Trainer
- Learner
- Instructional Designer
- Content Manager
- Curriculum Manager
- HR Manager
- Project Manager
- Policy Maker

... to be continued



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The Matrix

Examples

	Trainers	Tutors	Learners	HR Manager	Instructional Designer	...
Knowledge Resources	<i>current</i> - <i>future</i>	<i>current</i> - <i>future</i>	<i>missing</i>	<i>missing</i>	<i>current</i> - <i>future</i>	
Learning Activities	<i>current</i> - <i>future</i>	<i>current</i> - <i>future</i>	<i>current</i> - <i>future</i>	<i>missing</i>	<i>current</i> - <i>future</i>	
Competence Development Programmes	<i>missing</i>	<i>current</i> - <i>future</i>	<i>missing</i>	<i>current</i> - <i>future</i>	<i>current</i> - <i>future</i>	
Learning Networks	<i>current</i> - <i>future</i>	<i>missing</i>	<i>current</i> - <i>future</i>	<i>current</i> - <i>future</i>	<i>missing</i>	



Use-cases

Use-cases do not generalise – Use-cases organise

- with respect to different stakeholders
- with respect to similar approaches of use
- with respect to future development

Use-case diagrams

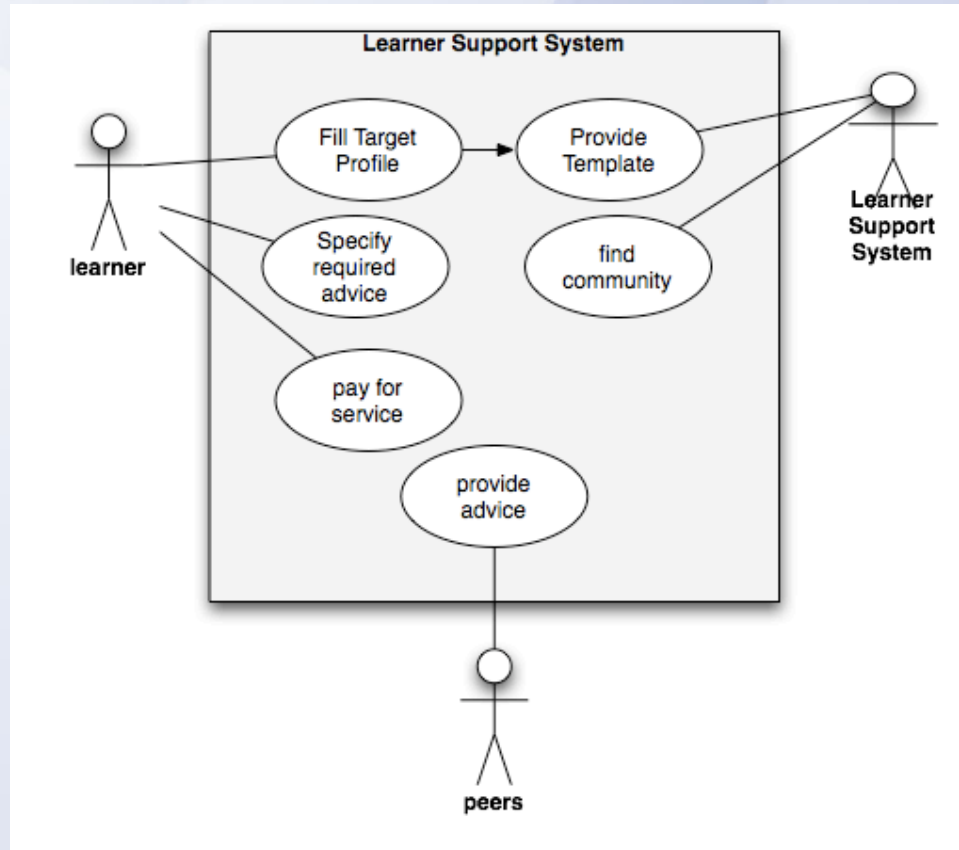
- visual concept of a use-case
- scenario based entities and relations

Use-case forms

- text description of a use-case
- specification of the types of entities and their relation
- specific requirements



Use Case Overview



Simplified Use Case Template

Use case template for description of the functionalities

<u>Name of use case</u>	
<u>Use Case ID</u>	
<u>Author</u>	
<u>Date</u>	
<u>Goal</u>	<u>Describing the goal of the user triggering this function</u>
<u>Prerequisite</u>	<u>The prerequisites that the use case can happen</u>
<u>Consequences</u>	<u>The consequences when this functionality is applied</u>
<u>Type</u>	<u>can basic or optional</u>
<u>Triggering event</u>	<u>the triggering event can be a user selecting something in the user interface or the system</u>
<u>Description</u>	<u>Describing the process and the usage of other use cases with number</u>
<u>Extensions</u>	



Domain Model

Domain models generalise use-cases

- generalised concept of the problem area
- entity-relation-model
- common requirements for all use-cases
- scenarios and use-cases are used to validate the domain model



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