

# WP6 TenCompetence Assessment Specification v.1.0 and Proof-of-concept tools



# Competence

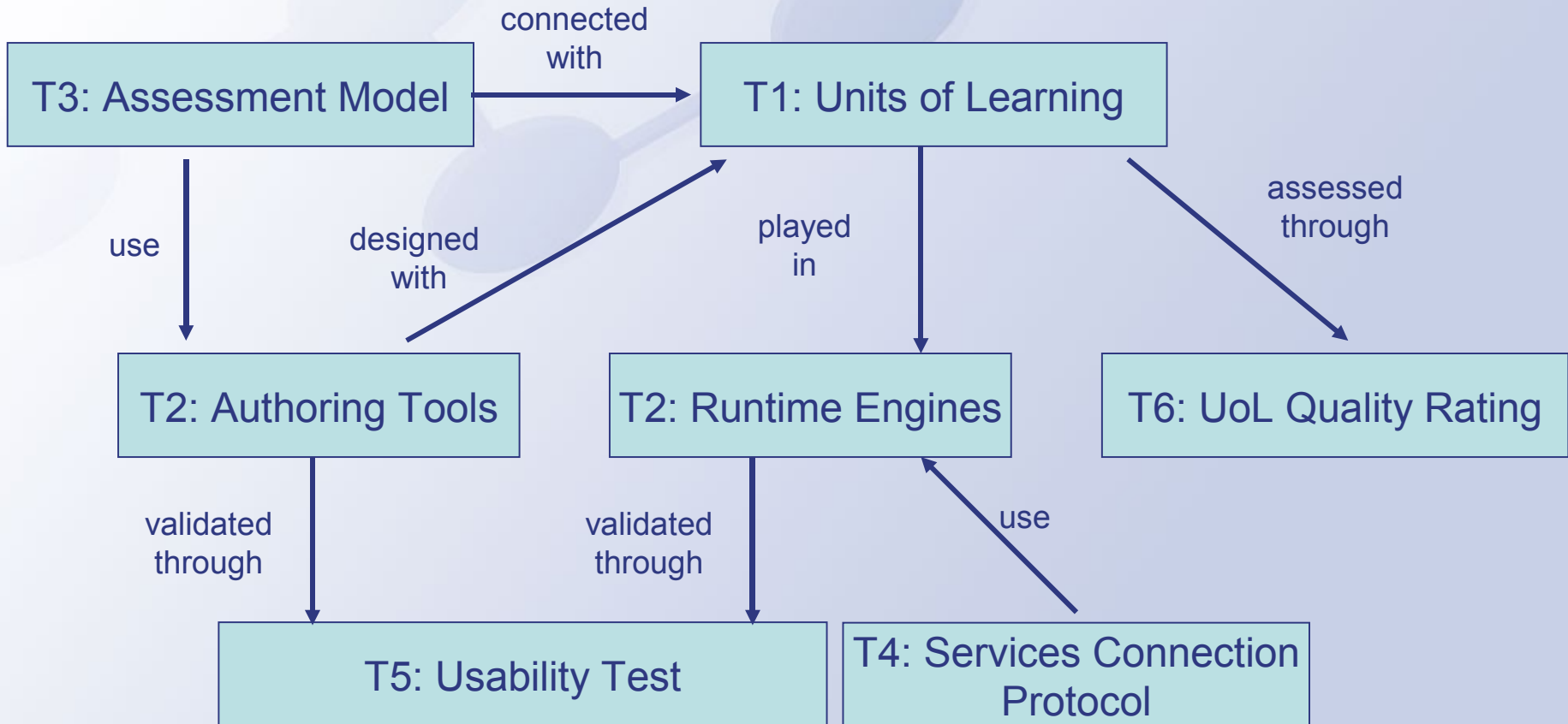
Building The European Network for Lifelong Competence Development

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# WP6 Internal Structure



# WP 6, Task 3.

**Develop** a formal specification **model and supporting tools** that combines **new assessment types** and the ones included in the IMS QTI (providing input for standards development). The current IMS QTI specification concentrates on classical forms of assessment (multiple choice, short answer, etc.). For competence development also other assessment techniques should be included in the specification (e.g. 360 degrees feedback, portfolio assessment). During the first 18 months activities will build on initial work already done by OUNL and CITO to specify a formal integrative model, and tools will be developed. This will provide valuable input for the **further development of the IMS QTI specification.**“

# OUNL's assessment model

- Develop conceptual model of assessment
- Cover state of the art in assessment
- Create foundation for a new standard
- Document and evaluate methodology
  - UML as notation
  - Model expert knowledge



# Phases in the assessment process

Assessment Design

Item Construction

Assessment Construction

Assessment Delivery

Response Evaluation

Decision Making



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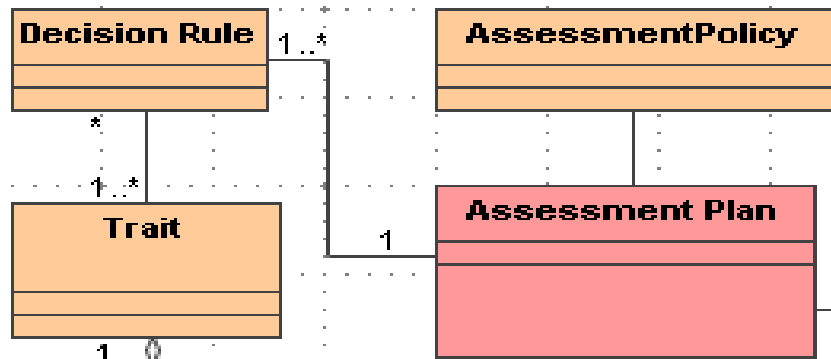
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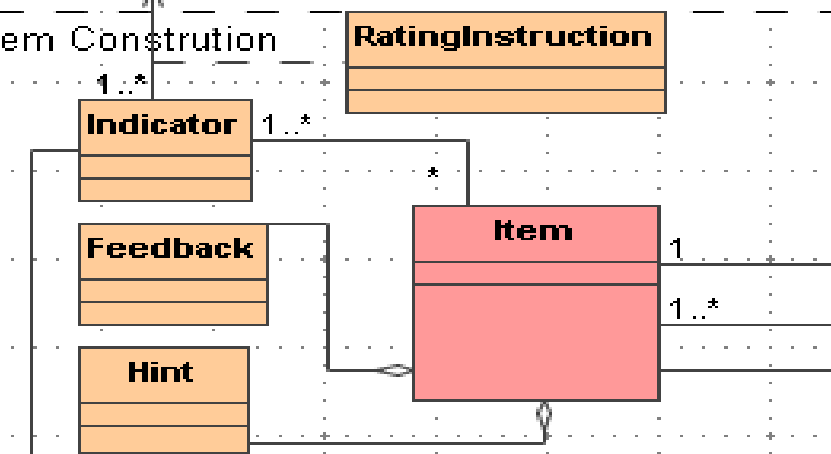
# TENCompetence assessment specification - main phases

- Design phase (Assessment design, Item construction, Assessment construction)
- Run-time phase (Assessment run and Response rating).

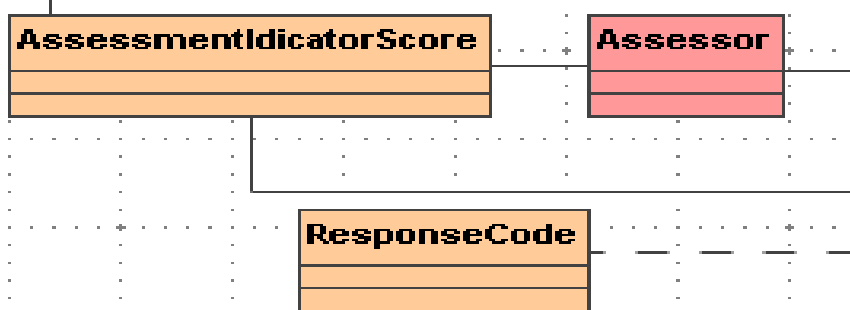
### Assessment Design



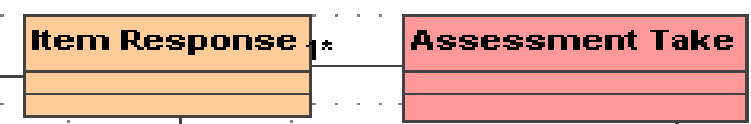
### Item Construction



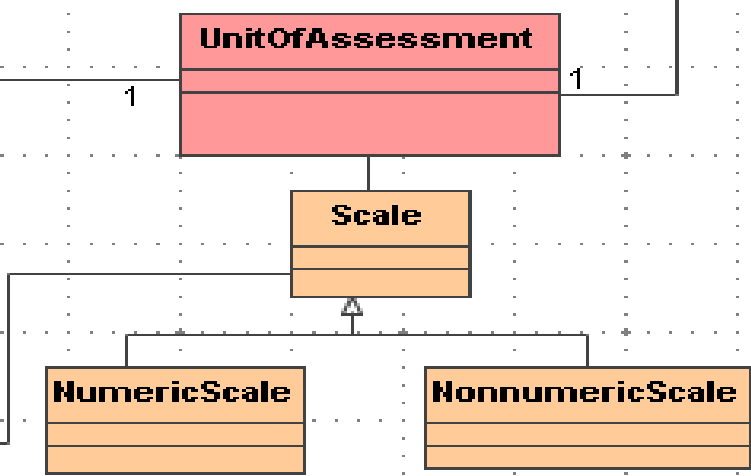
### Response Processing



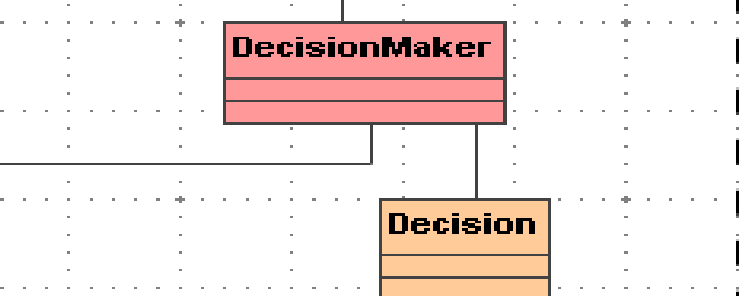
### Assessment Run



### Assessment Construction

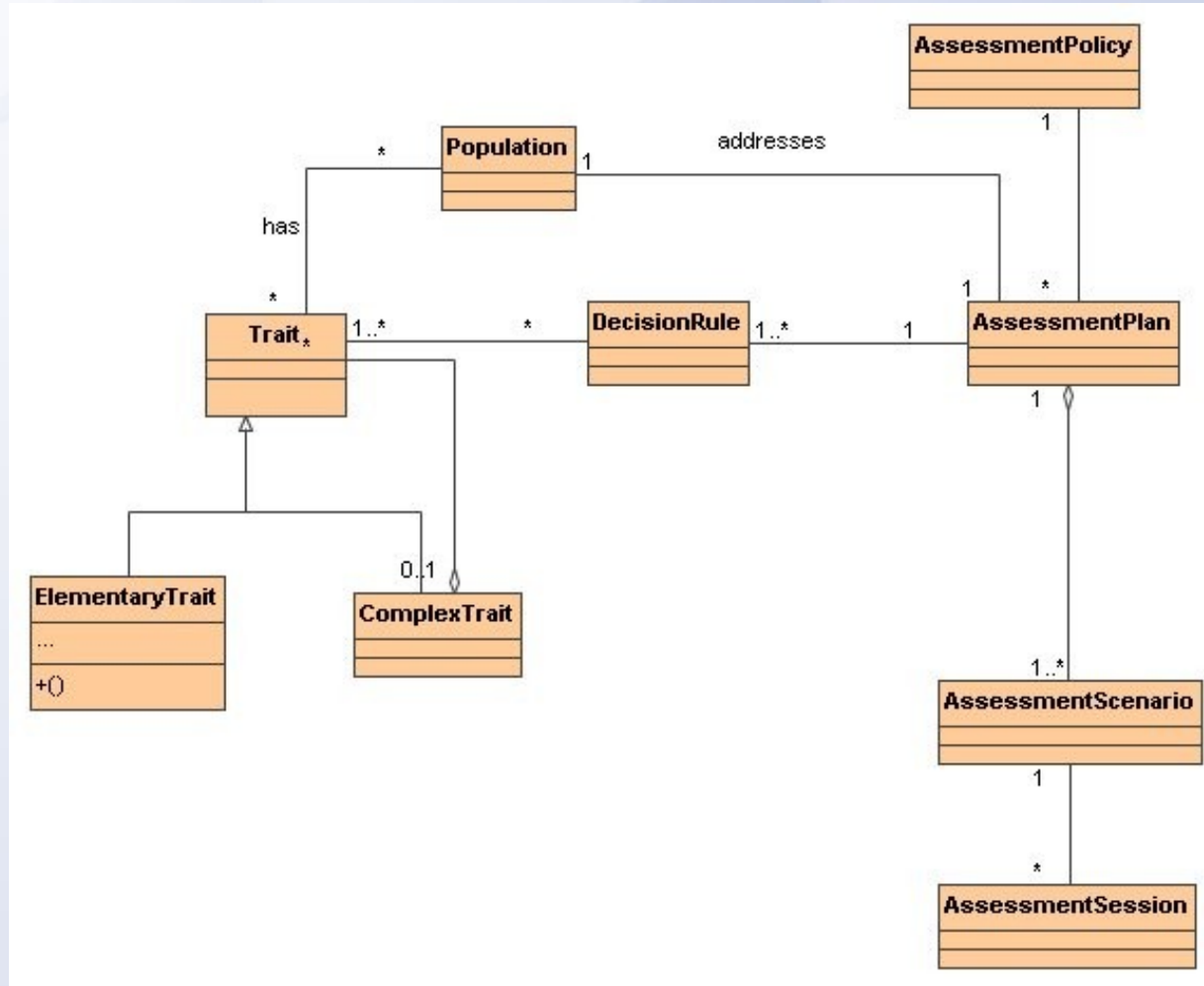


### Decision making

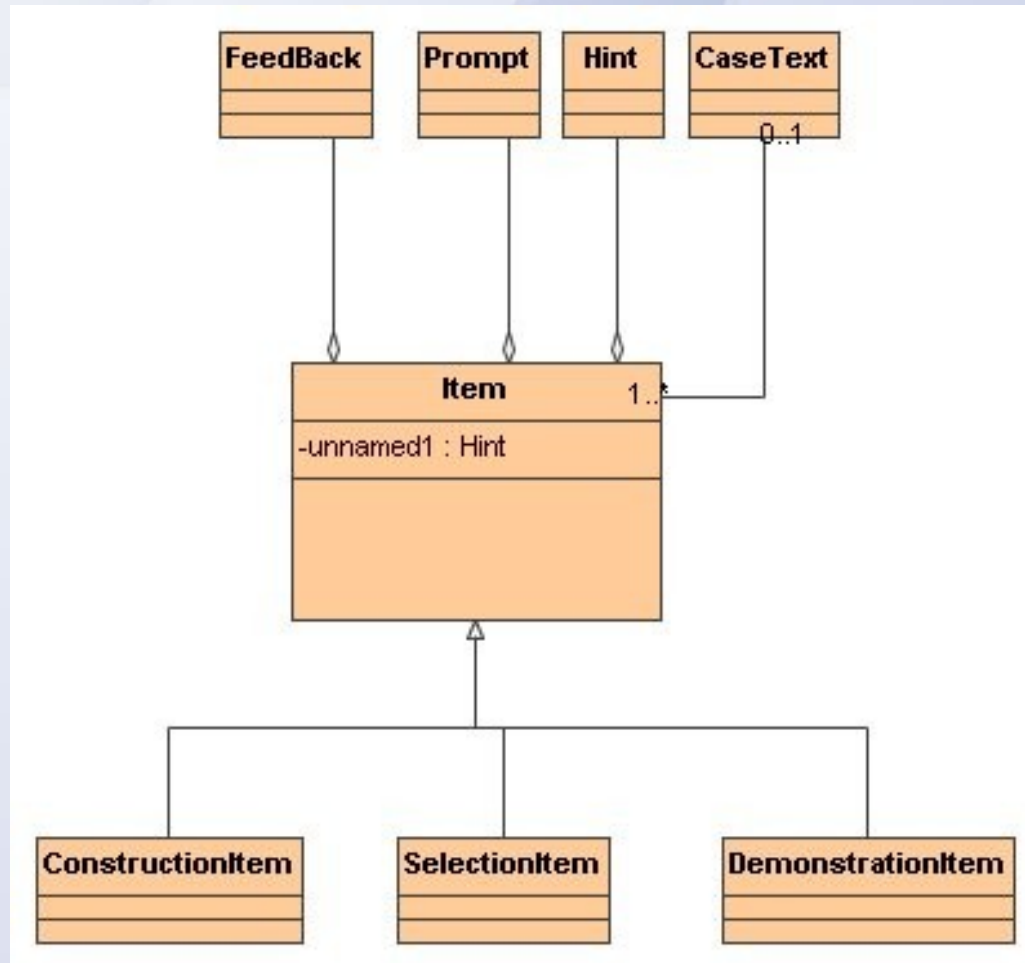




# STAGE 1 – Assessment design



# STAGE 2 – Item construction

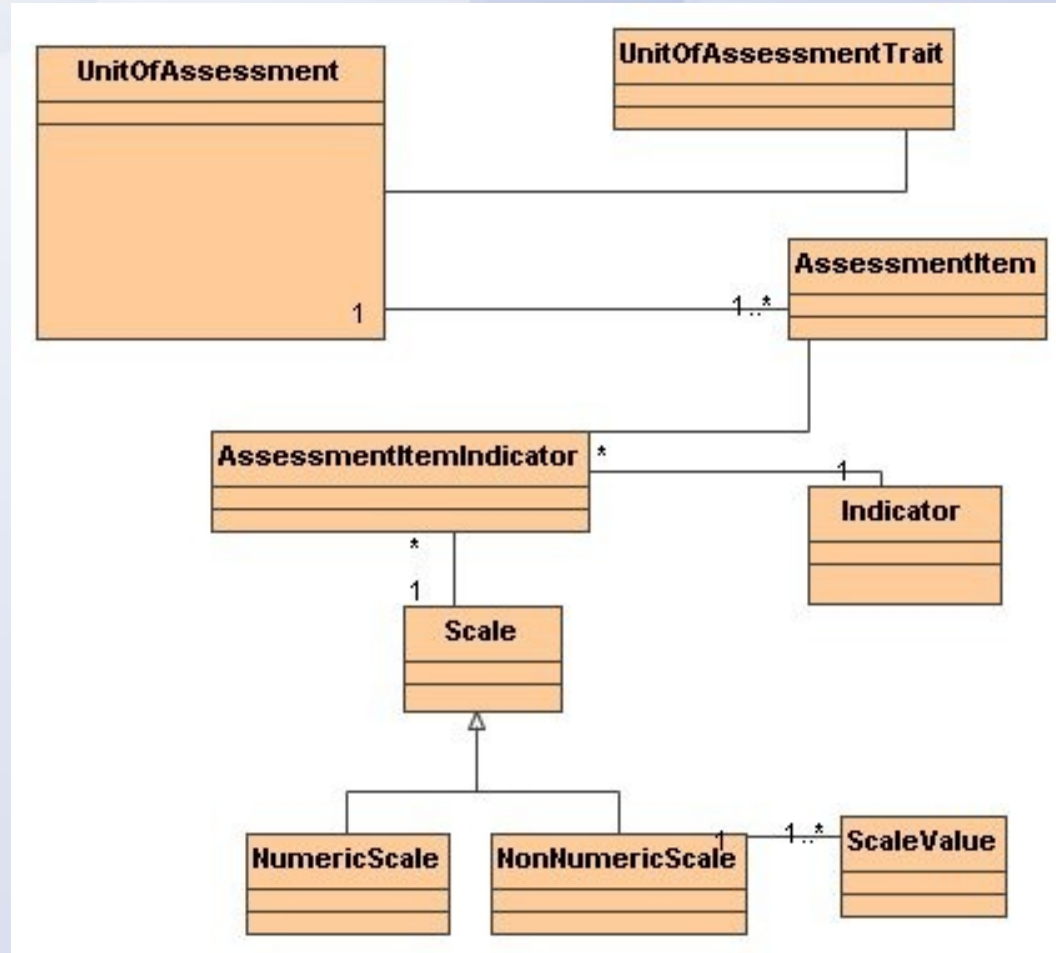


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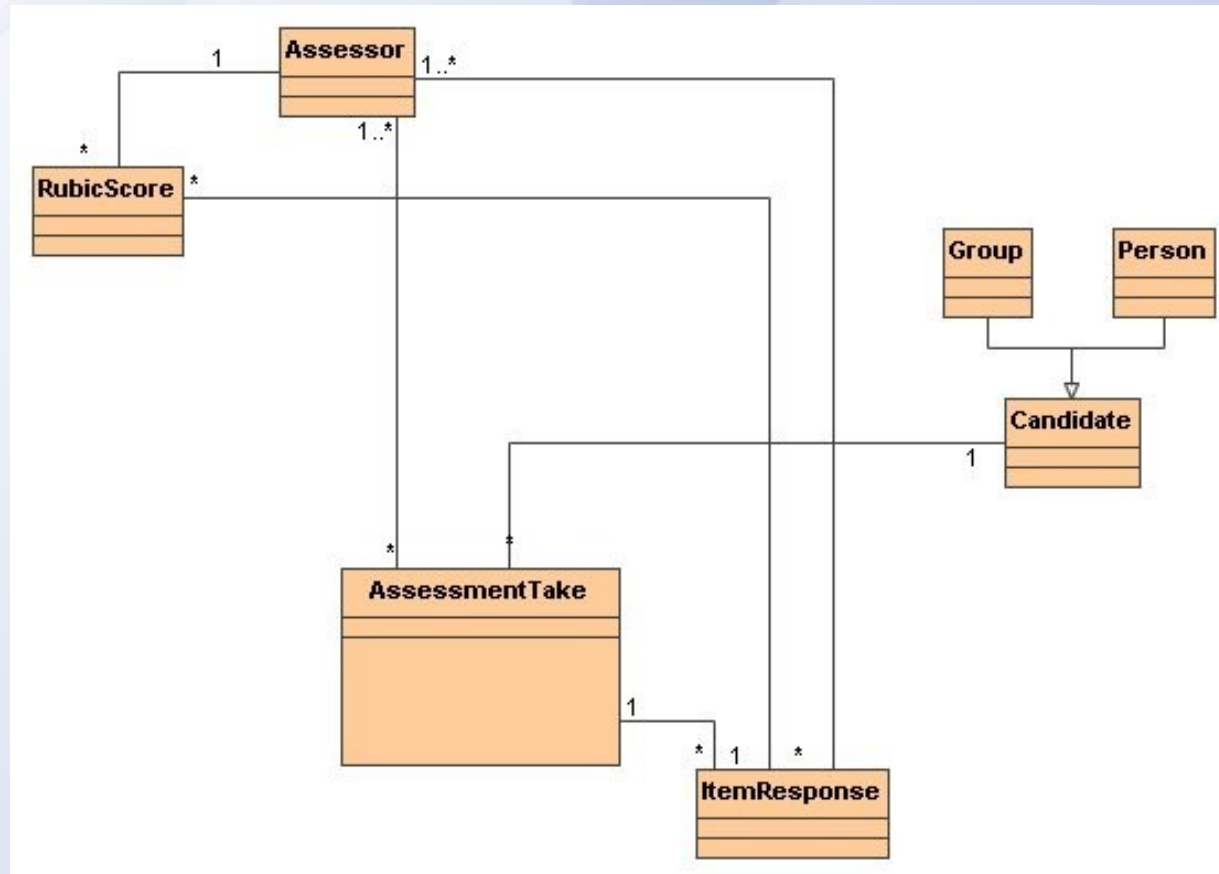


# STAGE 3 – Assessment construction



# STAGE 4 – Assessment run

## STAGE 5 – Response rating



**Assessment  
Design**

**Item  
Construction**

**Assessment  
Construction**

**Assessment  
Delivery**

**Respos  
Evaluation**

**Decision Making**

Проектиране и имплементиране на система за управление на 360-градусова обратна връзка

Проектиране и имплементиране на система за изпитване и оценяване чрез стандартни техники от IMS QTI спецификацията

Дизайн, разработка и тестване на система за адаптивни тестове и тяхното оценяване.

Проектиране и имплементиране на система за самооценка и оценка от колеги по критерии.

Система за авторство на различни форми на изпитване и оценяване базирана на уеб услуги

Система, базирана на уеб услуги, за анализ на нивото за придобиване на дадена компетенция

Система за провеждане на различни форми на изпитване и оценяване базирана на уеб услуги



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# TenCompetence Assessment Spec. ver.1.0 - evaluation

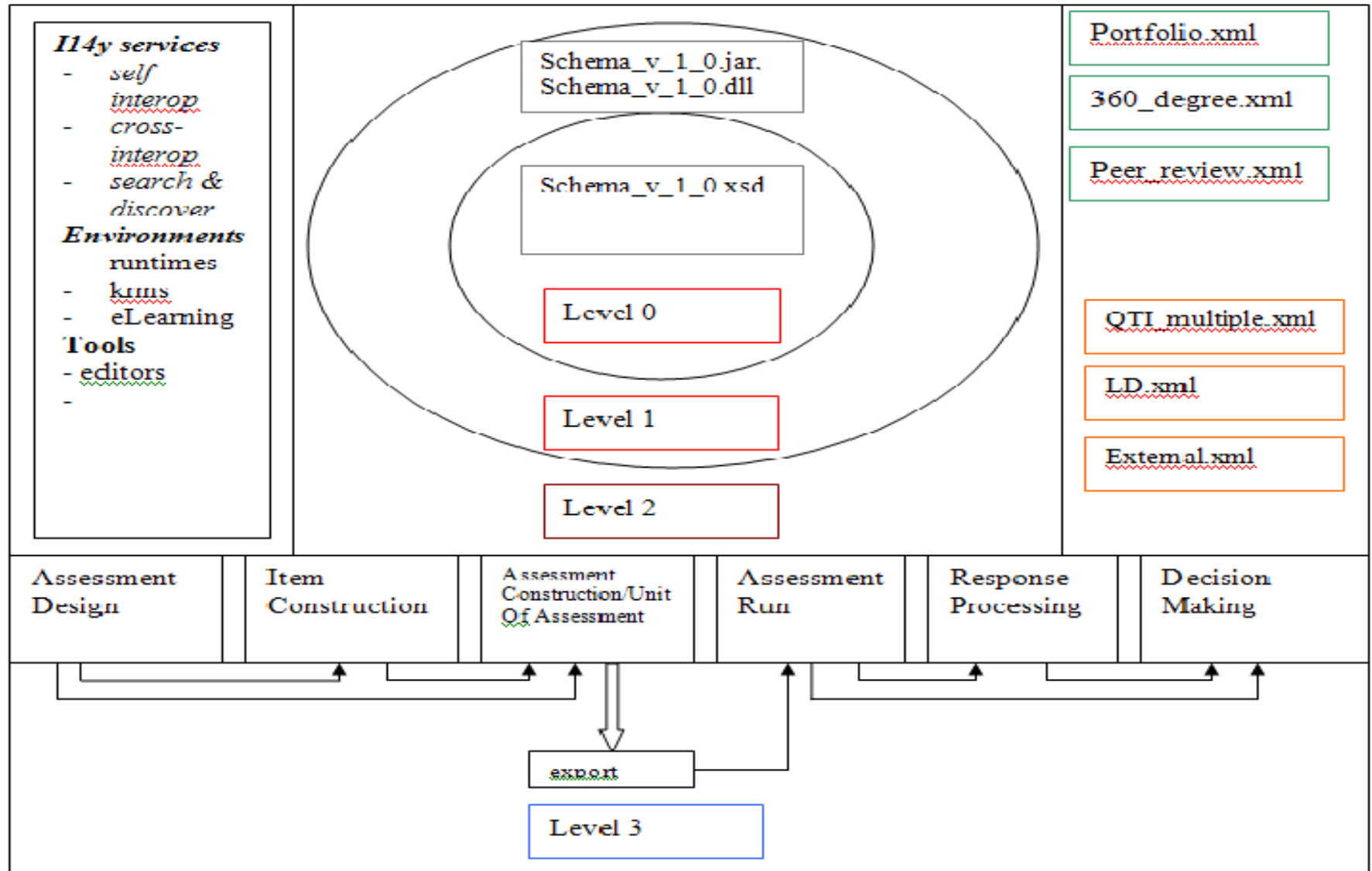



Figure 1 TENCompetence Assessment Specification ver. 1.0

# Excerpt from Portfolio assessment profile

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<SimpleAssessment xmlns="http://tencompetence.org">
  <AssessmentDesign>
    <AssessmentPlan>
      <id>0</id>
      <name>Portfolio assessment of candidate's English language skills</name>
      <description>Assessment will be part of the assessment for the candidate's cor
      <Population>
        <id>0</id>
        <name>Individual</name>
      </Population>
      <DecisionRule>
        <name>Main decision rule</name>
        <description>Not only is it important to agree on the criteria that will be
        <Traits>
          <Trait>
            <name>Oral Skills</name>
            <IndicatorList>
              <Id>1</Id>
              <Id>2</Id>
            </IndicatorList>
          </Trait>
          <Trait>
            <name>Reading Skills</name>
            <IndicatorList>
              <Id>1</Id>
              <Id>2</Id>
            </IndicatorList>
          </Trait>
        </Traits>
      </DecisionRule>
    </AssessmentPlan>
  </AssessmentDesign>
</SimpleAssessment>
```

# Editor tool(based on 360 degree feedback assessment)

Assessment View 

Assessment design | **Item construction** | Assessment construction

Plan name

Plan description

Population name

Traits

Assessment policy

Decision rule

Scenarios  Sessions  Activities

Assessment indicator's name

Is Numeric

Scale



# Player tool (based on portfolio assessment)

Assessment Plan | Media Player | Portfolio Section | **Perform Assessment View** x | Text View

## Perform assessment

### Assess items

Assess this item: Does the candidate use rich vocabulary?

This item belongs to the Writing skills trait.  
Item is 1 of 5  
Give value for the following criteria in order to assess the item:

- Completeness, corectness, and appropriateness
- Thoughtfulness
- Diversity of entries

### Assess criterion

Give your choice for the following criterion:

Diversity of entries

- sparsely
- minimum diversity
- accurately
- high diversity

Next Item



# Thank you

- Milen Petrov, [milenp@fmi.uni-sofia.bg](mailto:milenp@fmi.uni-sofia.bg)
- WP6 Assessment Spec, v.1.0 and proof of concept tools are available on: <http://www-it.fmi.uni-sofia.bg/TENC/WP6/>
- Project web site: [www.tencompetence.org](http://www.tencompetence.org)
- Q&A