Workshop 1-3
Is there a “Requirements Lifecycle”

Source: Adapted from Pohl, CAISE 1993
Initial requirements specification

Requirements validation

Elicitation  Specification

Negotiation

Requirements management
(prioritization, traceability, version control)

Requirements modelling
(Goals, Scenarios, Solution-oriented requirements)

Elicitation  Specification

Negotiation

Workshops 1-3

Problem statement

Modelling languages

Template for req. specification

Initial req. specification

Refined/detailed req. specification
Workshop 4

Initial requirements specification

Requirements validation

Elicitation | Specification

Negotiation

Requirements management
(prioritization, traceability, version control)

Requirements modelling
(Goals, Scenarios, Solution-oriented requirements)

Requirements validation

Elicitation | Specification

Negotiation

Requirements management
(traceability, version control)

Template for req. specification

Initial req. specification

Refined/detailed req. specification
Workshop 4 tasks

1. Update traceability model
   • Update traceability properties, update traceability matrix or traceability graph

2. Update version for the requirements document and versions for individual (relevant) requirements

3. Contact the classmates’ teams:
   • Acquire their requirements specification
   • Evaluate quality of the classmates’ specification by filling in the questionnaires
   • Send the filled questionnaires to the classmates
Your requirements should be:

- **Prioritised**
  - Show that you know
    - what is prioritization and how to find requirements for prioritisation
  - How to apply AHP method

- **Traceable**
  - Pre-traceability
    - To the source or origin
  - Post-traceability
    - To other requirements

- **Version of**
  - specification document
  - individual requirements

- **Traceability model**
  - E.g., where traceability artefacts are *functional, performance, usability, security*, etc. requirements
  - Goal models, scenarios, models of solution oriented requirements
Requirements Validation

Improve your requirements specification according to your classmate’s evaluation

- Improve the specification according to your classmates feedback

- Prepare a short change report (max 1 page) explaining what are the major changes made in the specification:
  - Following the feedback from the classmates
    - This time you should report how many feedback forms you have received (and from which teams) and how your specification is improved according to each feedback
  - Following the feedback from the teacher(s)
Submission of Requirements Specification
(and change report)

• Deadline: 6 December
• Submit using course Website: <https://courses.cs.ut.ee/2020/RE/fall/Main/Upload>

• It is enough if one team member is submitting
• File formal – PDF (or zip of PDFs if multiple files). Other formats will not be accepted as submission

• Late submission – minus 50% of the evaluation (no feedback for the late submissions)