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Requirements Engineering II
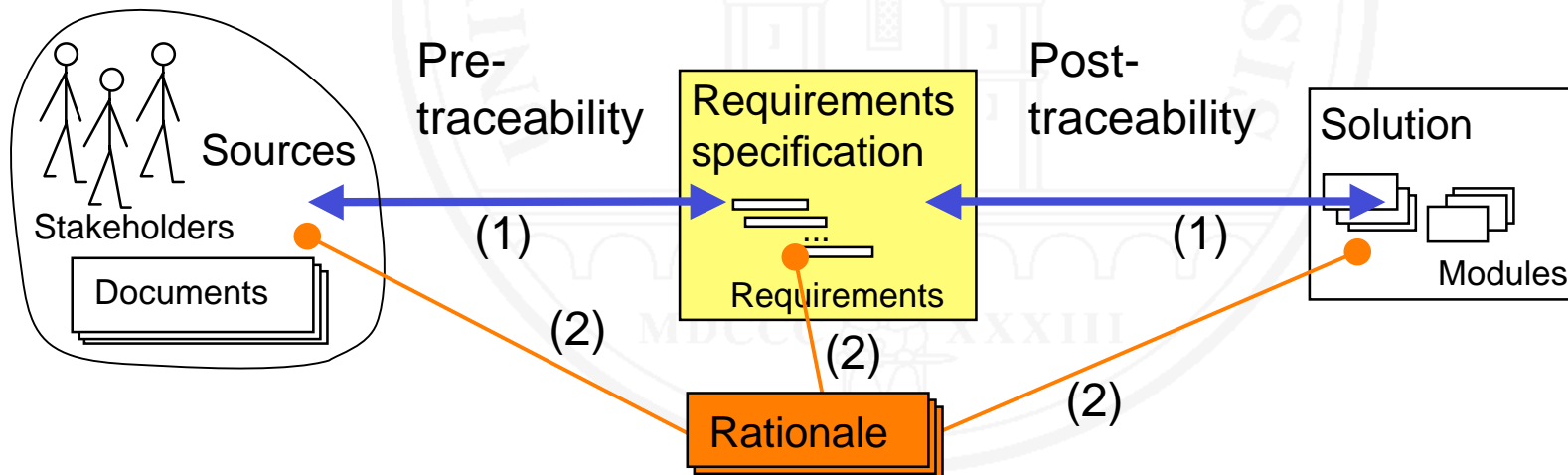
Assignment 1

Requirements Traceability

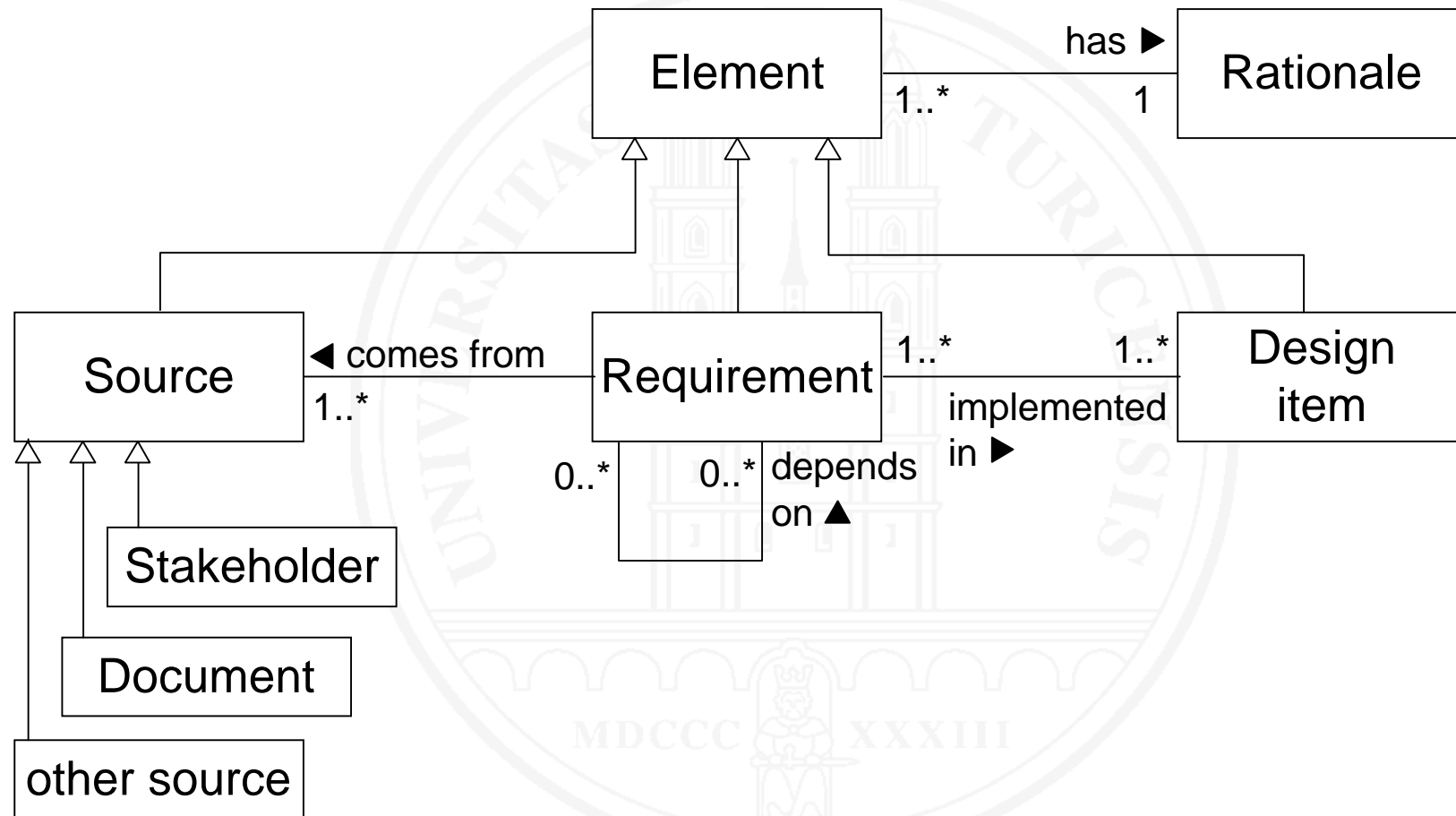Universität Zürich
Institut für Informatik

Requirements traceability

Traceability. (1) The degree to which a relationship can be established between two or more products of the development process, especially products having a predecessor-successor or master-subordinate relationship to one another. (2) The degree to which each element in a software development product establishes its reason for existing.

Requirements traceability:

A primitive metamodel of requirements traceability

Example of a traceability matrix

Source	Requirement	R0001	R0002	R0003	R0004	R0005	R0006	R0007	R0008	R0009	R0010	R0011	R0012	R0013	R0014	R0015	R0016	R0017		R0436	R0437	R0438	R0439
S0001				X								X											
S0002		X		X																	X		
S0003																							
S0004		X		X	X	X		X	X	X		X	X		X	X	X	X		X	X	X	X
S0005				X	X	X																	
S0006		X		X	X	X		X	X	X	X	X	X		X	X	X	X		X	X		X
S0056		X		X								X										X		
S0057		X		X					X	X	X												

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Tasks

Individual tasks:

❍ Read the mandatory items in the reading list

❍ Be prepared to answer the assignment questions in class

Group tasks:

❍ Prepare a 15 minutes presentation (5-10 slides) on the theme assigned to your group. Browse/read additional papers and/or web pages where necessary. The themes are:

   A. An overview of the requirements traceability problem

   B. Establishing requirements traceability

   C. Requirements traceability tools

❍ Generate a requirements-to-stakeholders traceability matrix for the requirements document that you produced in exercise 2 of Requirements Engineering I.

Reading list and other details

❍ See assignment description at

http://www.unizh.ch/req/courses/re_II

❍ Papers download is password-protected
- User name: re2ws0607
- Password: ●●●●●●