

Martin Glinz

Requirements Engineering II

Assignment 1

Requirements Traceability

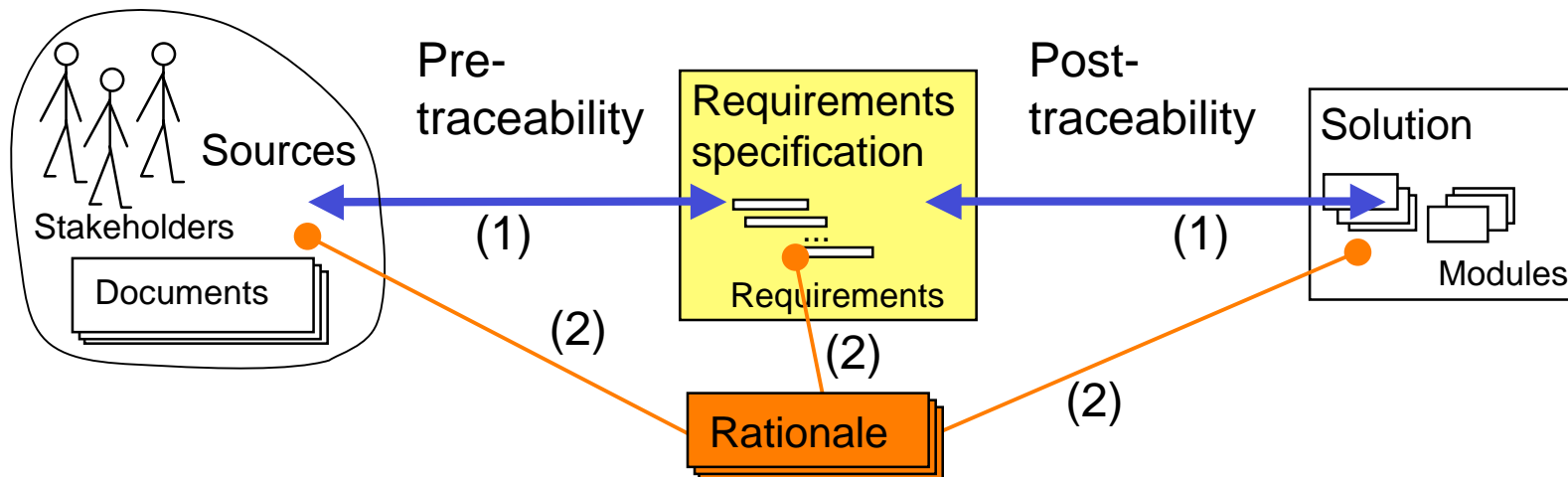


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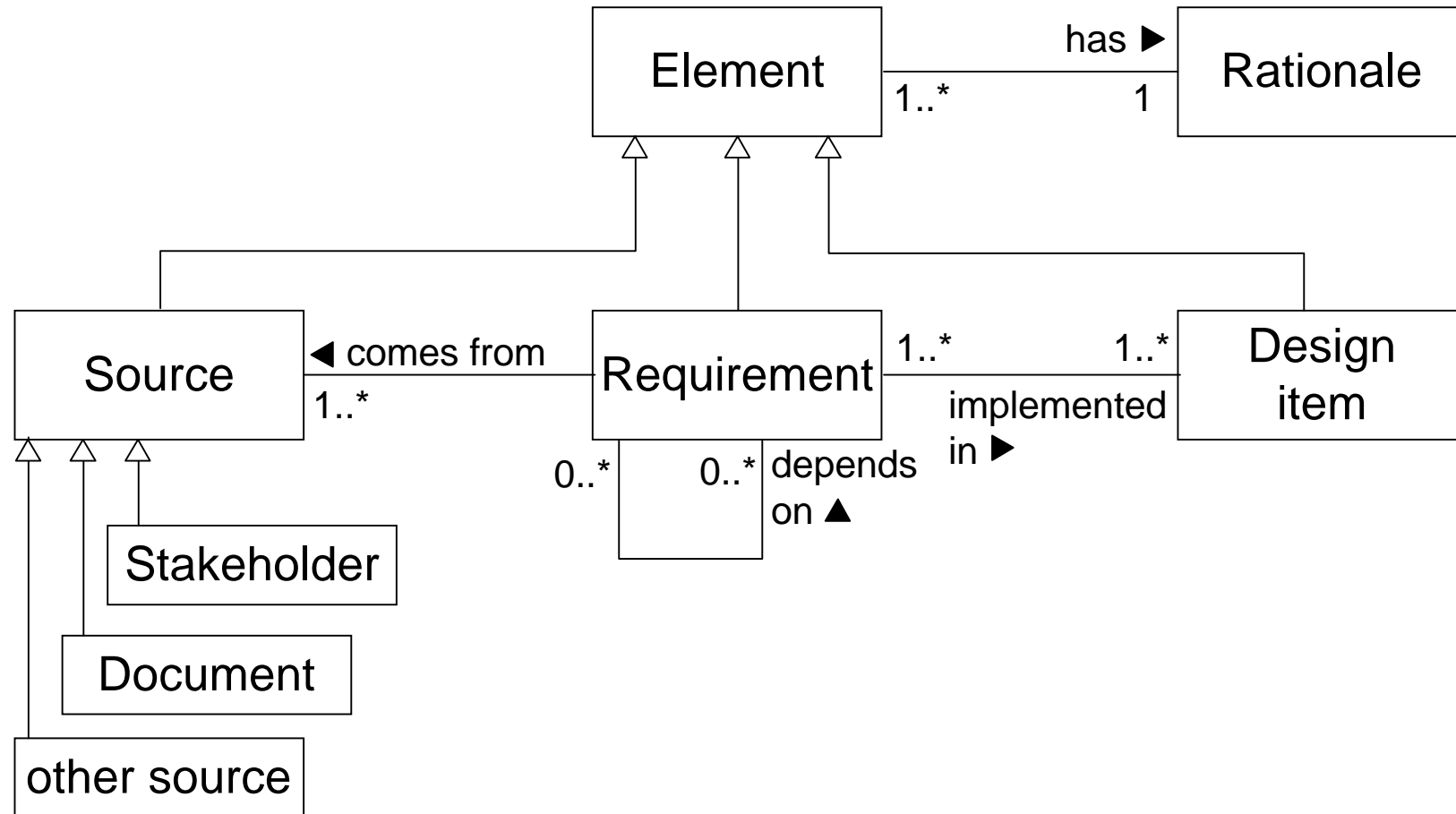
Requirements traceability

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											

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
www.uzh.ch/rerg/teaching/courses/requirements_engineering_ii_hs07