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**MUPRET: An ontology-driven traceability tool for multiperspective requirements artifacts**

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**Abstract**

Multiperspective requirements traceability (MUPRET) tool is resulted from our attempt in resolving the heterogeneity in traceability of multiperspective requirements artifacts. The MUPRET tool facilitates the automatic extraction and construction of requirements elements of an individual stakeholder into a so-called requirements ontology. As a result, multiperspective requirements artifacts of different stakeholders are captured in a common taxonomy imposed by the sharing base of requirements ontology. The tool then automatically generates traceability links by matching requirements ontologies. This paper presents the architecture of the MUPRET tool, together with an illustrative example of its applications. © 2009 IEEE.

**Author Keywords**

Interoperability; Knowledge management; Multiperspective software development; Ontology; Requirements traceability

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