

Title: Semantic annotation and querying RDF data

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Abstract: The presented thesis in detail describes a design and an implementation of self-sustained server application, that allows us to create and manage semantic annotations for various web pages. In the first part it describes the manual annotations and the human interface we have build for them. In the second part it also describes our implementation for a web crawler and an automatic annotation system utilizing this crawler. The last part of the thesis analyzes the testing of this automated system that has been performed using several e-commerce websites with different domains.

Keywords: semantic annotation, querying RDF data, user interface, web crawling, automatization