

KawaWiki: A Template-Based Semantic Wiki Where End and Expert Users Collaborate

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This paper introduces a new Semantic Wiki authoring system called “KawaWiki” on which end users and Semantic Web experts can collaborate to author Semantic Web content. KawaWiki generates RDF descriptions from user-authored content by introducing an intermediate representation in the form of RDF templates to hide the complexities of Semantic Web formalisms from end users. The Semantic content is then validated for consistency based on RDFS descriptions created by ontology engineers. KawaWiki enables ontology engineers to generate rich RDFS descriptions either by creating them from scratch or by associating them with concepts found in Semantic Web ontologies.