

Title: Semantic ProtégéWiki

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Wikis have become more and more mainstream over the last couple of years. They have proven to be an easy way for the collaborative creation of knowledge. Recently, people have realized that adding semantic functionality to Wikis can bring their potential to a whole new level. Now the content can not only be processed by humans, but also by machines.

To enable the Protégé community to take advantage of this new technology, the ProtégéWiki goes semantic! The new wiki is based on the well-known Open Source MediaWiki software that runs Wikipedia. Its semantic extensions are provided by the Open Source extension Semantic MediaWiki. The Semantic ProtégéWiki enables users to maintain their plugin-data decentralized and at the same time provide semantic annotations for machines. Key benefits for users are automatically generated semantic annotations based on templates (with zero manual overhead) and easy creation of automatically generated overview pages and lists. An example of such a list would be a list of all tab widgets which is always up-to-date based on the decentralized maintained plugin data. The annotations are provided in OWL and can easily be reused in other applications or imported in Protégé.