

Extend and Integrate a Visual Editor into the Sweble Wiki

Summary

Most wikis today use text blobs written in a wiki markup dialect to store and work with articles. We have developed a formal parser that produces a rich tree-based format of wiki content, called Wiki Object Model (WOM). Around this format we've implemented a rudimentary Wiki software and a visual editor (VE). Now we would like to integrate the VE in the wiki software and extend both components to form a fully functional wiki.

Work Results

- Results:
 - Update of Visual Editor to latest (stable) version
 - The Visual Editor is integrated into the Sweble Wiki
 - The Visual Editor (on the client) and the Sweble Wiki Engine (on the Server) communicate a WOM data structure encoded as XML or JSON.
 - The Visual Editor now offers refactorings/transformations wizards. The actual transformation is performed on the server. Specifically:
 - Set link with target auto-completion. Requires querying server for possible link targets
 - Embed images. Dialog-based manipulation (positioning) of image on page
 - The Visual Editor supports the WOM as required for MediaWiki markup
 - Documentation of editor including tutorial on how to add commands
 - Additional documentation on callback mechanism, module system and use

Supervisor

Dipl.-Inf. Hannes Dohrn, hannes.dohrn@fau.de

Prof. Dr. Dirk Riehle, dirk.riehle@fau.de

Open Source Research Group
Computer Science Department
Friedrich-Alexander University

More information: <http://osr.cs.fau.de/theses/resources/>

Link to doc: <http://goo.gl/VusZCN>