SmallWiki 1.0
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Abstract

SmallWiki is a collaborative software to do content management. It is a new and fully object-oriented Wiki framework in Smalltalk, that is extensible and heavily tested using SUnit.

1   Description

The term *Wiki* means the collaborative software used to create, edit and manage hypertext pages on the web. A Wiki enables the users to author their documents using a simple markup language within their preferred web-browser.

The following basic requirements were given at the very beginning of the project:

Object-Oriented Design. SmallWiki provides an object oriented domain model. As an example, the content of the pages is parsed and stored as a tree of different entities representing text, links, tables, lists, etc.

Extensibility. Everything in SmallWiki can be extended: page types, storage mechanism, actions, security mechanism, web-server, etc. Plug-ins can be shared within the community and loaded independently of each other into the system.
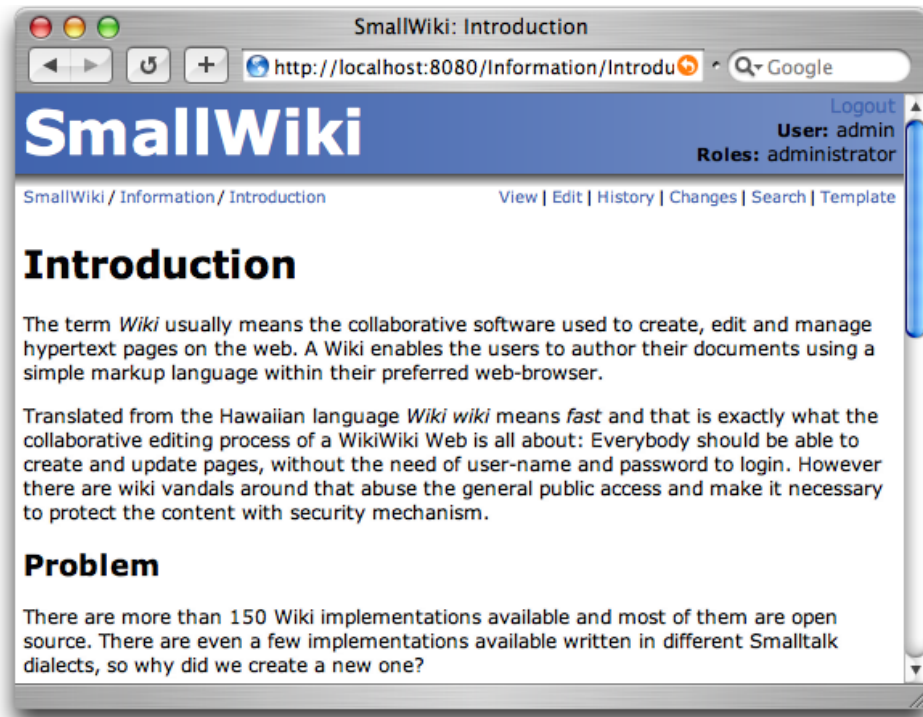
Figure 1: SmallWiki in the Web-Browser

Open Source. SmallWiki is released under the MIT license which grants unrestricted rights to copy, modify, and redistribute as long as the original copyright and license terms are retained.

Test Suites. SmallWiki is heavily tested. There are more than 200 unit tests included with the core of SmallWiki. This makes it easy to change and verify the code and comes in extremely useful when porting Small-Wiki to other Smalltalk dialects or when writing extensions.

2 Platfrom

SmallWiki has been implemented in *VisualWorks 7.2* keeping portability in mind. Currently there are ports to *Squeak* and *#Smalltalk (Sharp Smalltalk)* available.

3 License

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4 Developer

The SmallWiki core was implemented as a student project at the University of Bern by *Lukas Renggli*. *Stephane Ducasse* and *Roel Wuyts* took a lot of time to discuss and improve the model. *Alexandre Bergel* wrote the initial documentation and some examples. *John Brant* implemented an improved version of the parser. *David Vogel* extended the security model and the administration interface. Students from the University of Bern and the Universite Libre de Bruxelles implemented several extensions during their courses.

5 References

To download the latest code base for VisualWorks use the *Cincom Public StORE* and load the package called *SmallWiki*. Running instances of Small-Wiki servers can be seen at:

```
http://kilana.unibe.ch:9090
http://www.esug.org
http://www.wiresong.ca
```

There is an growing community and a mailing-list with a complete archive available:

```
http://www.iam.unibe.ch/cgi-bin/majordomo
http://impara.de/pipermail/smallwiki
```

Additional information about SmallWiki can be found at the following place and within the official documentation:

```
http://kilana.unibe.ch:9090/smallwiki
http://www.iam.unibe.ch/~scg/smallwiki/smallwiki.pdf
```