



Tiki Wiki CMS Groupware

A tightly-integrated, full-featured,
open source, multilingual Web
application.

Software made the wiki way

by Marc Laporte, Project Admin



What I'll talk about

- Mass collaboration and the Wiki Way
- Tiki Wiki CMS Groupware (What)
- The Tiki Model (How)
- What's next?

When/why you should pick Tiki for your next project



Mass collaboration

- What are the most important **volunteer mass collaboration projects** in the history of humankind?



WIKIPEDIA

English

The Free Encyclopedia

2 340 000+ articles

Deutsch

Die freie Enzyklopädie

738 000+ Artikel

Français

L'encyclopédie libre

648 000+ articles

Polski

Wolna encyklopedia

492 000+ haseł

日本語

フリー百科事典

485 000+ 記事



Italiano

L'enciclopedia libera

442 000+ voci

Nederlands

De vrije encyclopedie

431 000+ artikelen

Português

A enciclopédia livre

372 000+ artigos

Español

La enciclopedia libre

353 000+ artículos

Svenska

Den fria encyklopedin

281 000+ artiklar



- Wikipedia is using the **wiki way** to build a free body of knowledge.
- Tiki is using the **wiki way** to build a web application.



Wikis: what for?

- Wikipedia
- Documentation
- Collaboration > flexible, simple freeform project management
- Corporate Intranet or extranet
- Great for unstructured content, can be structured with categories and tags
- Effective document workflow



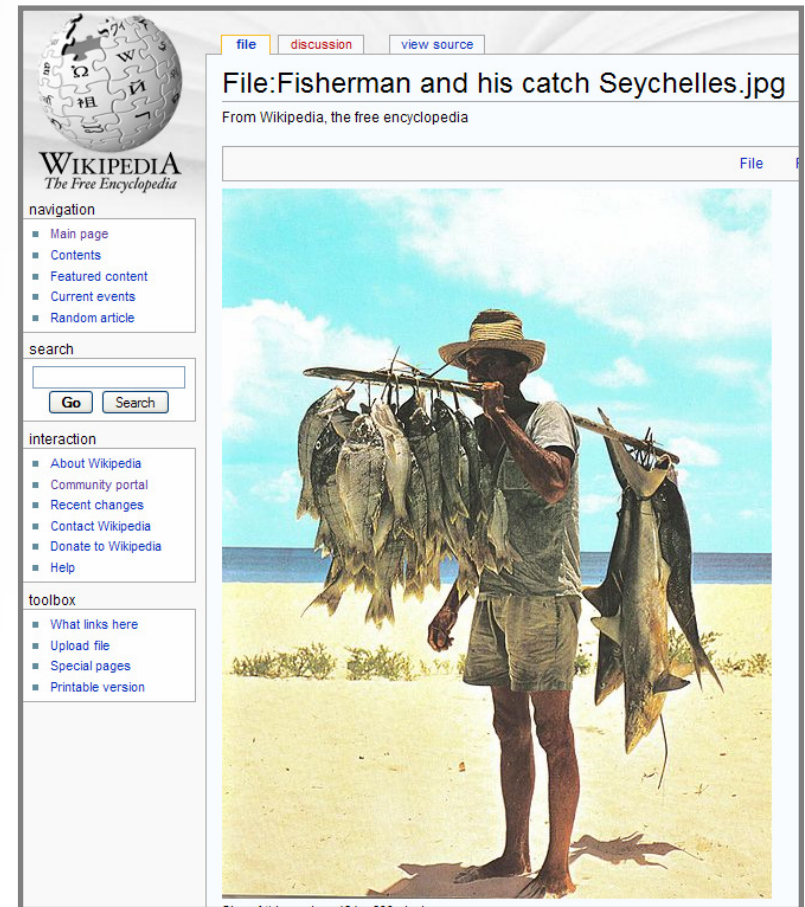
A wiki is a lot more than a great tool

Give someone a fish and you feed them for a day.

Teach someone to fish and you feed them for a lifetime.

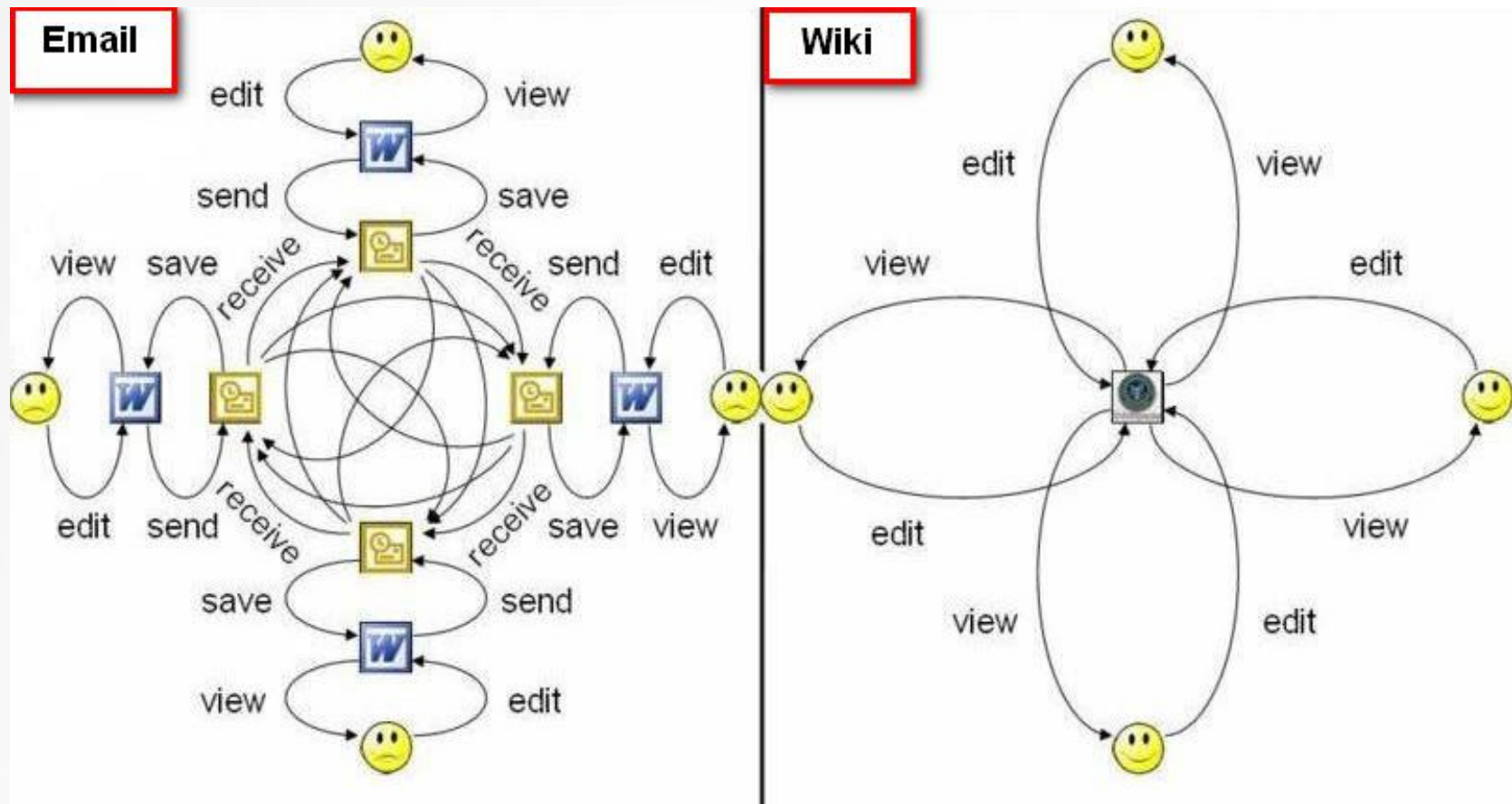
*Add that knowledge to a wiki
And countless people will be
able to learn on their own*

*And share their knowledge
And many will feed their families*





Because processes like email don't scale



Source: http://www.wikinomics.com/blog/uploads/frowning_email.jpg



What happens when...

- ...you apply the **Wiki Way** to software development for over 8 years with over **225** core contributors?
- ...**dogfooding** is a core value?
- ...everyone collaborates on an **integrated** code base?



Tiki Wiki CMS Groupware

- **Tightly Integrated Knowledge Infrastructure**
- Combination CMS + Wiki + Groupware
- Free source software (LGPL)
- 800 000+ downloads so far
- Translated into 40+ languages
- 1000+ pages of documentation
- Runs on standard PHP/MySQL making web hosting **easy and inexpensive**
- Over a **million** lines of code (including 3rd party libraries)
- A new code commit **every two hours**
- “This is one of the largest open-source teams in the world, and is in the top 2% of all project teams on Ohloh.” source: <http://www.ohloh.net/p/tikiwiki/factoids/>
- **But mostly...**



Hundreds of built-in features

Action log Alert Articles & Submissions Backlinks Backup Banner Blog
Bookmark Browser Compatibility Cache Calendar Category Charts
Chat Comment Communication Center Compression (gzip) Contact
Address book Contact us Content template Contribution Cookie
Copyright Custom Home (and Group Home Page) Date and Time
Debugger Console Directory (of hyperlinks) Documentation (Help System)
DogFood Drawing Dynamic Content Dynamic Variable External
Authentication FAQ Featured links File Gallery Forum Friendship
Network (Community) Game Gmap Google maps Group Help System
Hotword HTML Page i18n (Multilingual, i10n, Babelfish) Image Gallery
Install Integrator Interaction Inter-User Messages InterTiki JS
Calendar Karma Live Support Login Lost edit protection Mail-in Map
with Mapserver Menu Meta Tag Mini-Calendar Mobile Tiki and Voice
Tiki Mods Module Mootools Multimedia MultiTiki MyTiki Newsletter
Newsreader Notepad OS independence (Non-Linux, Windows/IIS, Mac,
BSD) PDF Performance Speed / Load Permission Poll Profile
Manager Quicktags Quiz Rating Registration RSS Score Search
Engine Friendly Search Security Semantic links Shadowbox Shoutbox
Site Identity Slideshow Smarty Template Smiley Spam protection (Anti-
bot CATPCHA) Spellcheck Spreadsheet Stats Survey System log
Tags Task Tell a Friend + Social Bookmarking TikiTests Theme
Trackers TRIM User Administration User Files User Menu Watch
WebHelp Webmail Wiki 3D Wiki History, page rename, etc Wiki plugins
extends basic syntax Wiki syntax text area, parser, etc Wiki structure
(book and table of content) Workflow (Galaxia Workflow engine)
WYSIWYCA WYSIWYG XMLRPC

**As far as we know,
the Open Source
Web application
with the most built-
in features. Other
popular apps have a
different model:
small core + loads of
functionality in 3rd
party add-ons.**

•Over 1000 settings/options in the admin panel!



But...

- **No hunting** around to find the best 3rd party module
- No needing to **re-install 3rd party modules** at every upgrade, *hoping* they all still work!
- Because, in Tiki, everything is built-in and developers **collaborate** on and **extend** features, instead of just *cooperating* around a core (when they are not just outright *competing...*). And ***upgrades are easy!***
- Do you have two wiki pages for the same thing?
No. Why would it be so for features?



The Tiki model

- Wiki community
- Wiki way participation to the code
- All-in-one codebase
 - Inherent synchronized releases
- Lots of features, but no duplication
- Dogfood
- Scheduled releases (twice per year)

- tiki.org/Model



Benefits & challenges

•Offers **benefits**

- Tons of features, without duplication, excellent code re-use and code review, more collaboration, tight integration, easy upgrades, excellent interaction between features, etc.
- Permits huge changes between versions **because** we don't have to worry about breaking 3rd party extensions.

•But does bring **challenges**

- Huge code base to maintain.
- Admin panels
 - hundreds of features
 - with a total of over 1000 settings/options! (we had to add a search!)
- Learning curve: 1000+ pages of documentation
- What should be sensible defaults?



Permissions & groups

- Users can be in any number of groups
- Groups can be included in groups
- Registration system
- Over 200 permissions, which can be:
 - System-wide (global)
 - by item (object)
 - by category (workspaces)

<input type="checkbox"/>	tiki_p_forums_report	forums	Can report msgs to moderator	
<input checked="" type="checkbox"/>	tiki_p_forum_post	forums	Can post in forums	inherited inherited from Registered
<input checked="" type="checkbox"/>	tiki_p_forum_read	forums	Can read forums	inherited from Anonymous
<input type="checkbox"/>	tiki_p_forum_vote	forums	Can vote comments in forums	
<input checked="" type="checkbox"/>	tiki_p_forum_post_topic	forums	Can start threads in forums	inherited inherited from Registered
<input type="checkbox"/>	tiki_p_forum_edit_own_posts	forums	Can edit own forum posts	
<input checked="" type="checkbox"/>	tiki_p_view_freetags	freetags	Can browse freetags	inherited from Anonymous
<input checked="" type="checkbox"/>	tiki_p_freetags_tag	freetags	Can tag objects	inherited from Anonymous
<input type="checkbox"/>	tiki_p_admin_freetags	freetags	Can admin freetags	
<input type="checkbox"/>	tiki_p_unassign_freetags	freetags	Can unassign tags from an object	
<input type="checkbox"/>	tiki_p_admin_games	games	Can admin games	
<input type="checkbox"/>	tiki_p_play_games	games	Can play games	
<input type="checkbox"/>	tiki_p_hw_teacher	homework	Can create new homework assignments, see student names and grade assignments	
<input type="checkbox"/>	tiki_p_hw_student	homework	Can do homework assignments	
<input type="checkbox"/>	tiki_p_hw_grader	homework	Can grade homework assignments	
<input type="checkbox"/>	tiki_p_hw_admin	homework	Can adminsite homework	
<input type="checkbox"/>	tiki_p_edit_html_pages	html pages	Can edit HTML pages	
<input type="checkbox"/>	tiki_p_view_html_pages	html pages	Can view HTML pages	
<input type="checkbox"/>	tiki_p_admin_galleries	image galleries	Can admin Image Galleries	



Wiki engine

- Powerful wiki syntax
- Powerful version history and diff engine
- Book and table of content
- Email notification of changes
- Advanced plugins
- Advanced translation synchronization

The screenshot displays the Tiki Wiki engine interface. At the top, there is a navigation bar with links: Home, Themes, Examples, Site Features, and a search bar. Below the navigation bar, the main content area is titled "History: Sample page" and shows a comparison between "VERSION 8" and "VERSION 14". The comparison is presented in a table-like format with two columns, "Lines: 1-2" and "Lines: 1-5" on the left, and "Lines: 7-11" and "Lines: 10-14" on the right. The text in the comparison is color-coded: green for additions, red for deletions, and black for unchanged text. On the left side of the interface, there is a "Menu" section with links to Home, Themes, Examples, and Site Features, and a "Last 10 forum posts" section. On the right side, there is a "Style: feb12.css" section, a "To register" section with a registration form, a "Login" section with a login form, and a "Last changes" section with a list of recent changes.



Tracker & form generator & reports

- Create custom application
- Bug tracker, application forms, contact forms, etc.
- Can create reports in wiki pages
- Multilingual
- Can link to other trackers
- 20+ field types:
text field, text area, checkbox, numeric field, drop down, radio buttons, user selector, date and time, image, category, email, auto-increment, Google Maps, computed field, attachment, etc.

If you want to upload a screenshot, please do so [here](#) and copy-paste the wiki syntax into the form below. If you want to upload one files (php, tpl, etc) you will have the opportunity as a second step after this form.

Rating ☐ -2 ☐ -1 ☐ 0 ☐ 1 ☐ 2

Summary *

Priority

Report type

Version

☐ 1 low
☐ 2 error
☐ 3 stability
☐ 4
☐ 5
☐ 6
☐ 7
☐ 8
☐ 9 high

☐ Dogfood on a *.tikiwiki.org site

☐ All / Undefined
☐ Action log
☐ Ajax
☐ Article
☐ Backup

☐ Bug: Consistency
☐ Bug: Regression
☐ Community projects
☐ Feature request
☐ Support request

☐ 1.9.x
☐ 3.x

☐ Accessibility (WAI - 508)
☐ Administration
☐ Alert
☐ Backlinks
☐ Banner

Tracker: Staff

[List trackers](#) [Monitor](#) [Admin trackers](#) [Edit this tracker](#) [Edit fields](#)

Members of the Department

Tracker Staff [Insert new item](#)

23 items found

[a](#) [b](#) [c](#) [d](#) [e](#) [f](#) [g](#) [h](#) [i](#) [j](#) [k](#) [l](#) [m](#) [n](#) [o](#) [p](#) [q](#) [r](#) [s](#) [t](#) [u](#) [v](#) [w](#) [x](#) [y](#) [z](#) [All](#) on Name and surnames

Name and surnames	User	Group	Group IP	Phone	E-mail	Activity	Office
Armando Bronca	admin	GROC		+34934001122	armando.bronca@ub.edu	Academic and Research Staff	65



Calendar

- Several calendars
- iCal
- Recurring events
- RSS feeds
- Distinct permissions

The screenshot shows the Tiki Calendar interface for February 2009 UTC. The calendar is displayed in a monthly grid view. The top of the interface includes navigation icons and a date selector showing 'Saturday 28 February, 2009'. The calendar grid shows events for each day of the month. A tooltip for 'FOSDEM '09, Brussels, Belgium' is visible, showing the time '09:00 UTC'. The interface also includes a search bar and a login section on the right.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
02/01	02/02	02/03	02/04 TikiFest Brussels	02/05 TikiFest Brussels	02/06 TikiFest Brussels	02/07 FOSDEM '09
02/08 FOSDEM '09	02/09	02/10	02/11	02/12	02/13	02/14
02/15 TikiFestMadrid	02/16 TikiFestMadrid	02/17 TikiFestMadrid	02/18 TikiFestMadrid	02/19	02/20 RecentChangesCamp.. Southern..	02/21 RecentChangesCamp.. Southern..
02/22 RecentChangesCamp.. Southern..	02/23	02/24	02/25	02/26	02/27 TikiFest Montréal..	02/28 TikiFest Montréal..



Blog & news articles

- Several blogs
- Topics
- Tags & categories
- RSS feeds
- Permissions
- Can use wiki syntax

Completing Theme-o-rama module

Posted by [mardaporte](#) on Mon 20 of Aug., 2007 12:54 CST

greenmetal.css & jello.css were missing from Theme-o-rama module
and Gary added BRTiki.css lately

I just removed vidiki.css because it's being pulled out of Tiki. (broken & unmaintained)

[Permalink](#)



Php Layers Menu now in heavy testing!

Posted by [mardaporte](#) on Mon 20 of Aug., 2007 12:37 CST

Hi!

I spent several hours making sure we could access/test all menu types with all the themes on this site.

We have 4 menu types:

- [Basic menu](#)
- [Tree menu](#)
- [Dynamic vertical menu](#)
- [Dynamic horizontal menu](#)

On this site, we have

7 new themes



Discussion forums

- Threaded or flat forums
- Mailing list integration
- Can use wiki syntax
- File Attachment
- Email notification of replies

The screenshot shows a forum thread on a Tiki website. The thread title is "FF3 and Kubrick phplayer menu problem". The first post is by user "dawn" on Thu 25 of Sept, 2008 11:53 CST, with 8 posts. The post content includes: "Hi there. Is anyone else experiencing problems with phplayer menus in Kubrick? IE7 works ok, but Firefox 3.0.2 and Nav8 does not. I've used Kubrick on a few Tikiwiki 1.9 sites and am experimenting with a R2.0 site before upgrading the others, but I need to get the menus working. Any ideas? RBryn". The thread is viewed in a threaded style, sorted by oldest first. There are 4368 reads. A search bar and style selector are visible. The thread continues with a reply by "Gary" on Thu 25 of Sept, 2008 19:10 CST, with 203 posts. The reply content includes: "Hm, I use FF3 quite a bit when putting the themes together, and don't see any problem with phplayer menus. You can see at <http://zukaakakina.com> (cache) that they work fine with the Kubrick theme, as with the other new themes. That site has been running Tiki 2.0 and is currently using Tiki 2.1 (just released). I guess there is an installation or configuration difference that accounts for the different behaviors, but don't really know what should be checked. One thing that I should 'advertise' more is that these theme files are being updated fairly regularly as bugs are found or improvements made. I'll put up some info about that. But in this particular theme/feature nothing has needed fixing." The thread continues with a reply by "Gary" on Sun 28 of Sept, 2008 10:44 CST, with 8 posts. The reply content includes: "Thanks Gary, I haven't changed the CSS. I've tried various settings relating to menu, and can't think of what this might be. Any ideas on what configuration or installation differences I should review? Thanks. Rob". The thread continues with a reply by "Gary" on Sun 28 of Sept, 2008 19:23 CST, with 203 posts. The reply content includes: "When you say the menu doesn't work, what is happening exactly? What displays and what doesn't display? I take it this is just a problem for Kubrick, and in other themes the menu works ok. Do you notice any other problems with the Kubrick theme?". The right sidebar shows a "To register" link, a "Login" form, and a "Last changes" list. The "Last changes" list includes: 1. Template Overview, 2. CSS Overview, 3. Theme Components, 4. Getting Started on a New Theme, 5. Themes_for_TW2, 6. Snow, 7. TikiFest Montreal CSS and Themes discussion, 8. phplayersmenu horizontal, 9. phplayersmenu vertical, 10. Tiki default menu ...more. The "Shoutbox" shows a message from "afahad" on Fri 30 of Jan, 2009, and a message from "chibaguy" on Thu 29 of Jan, 2009.



File & image galleries

- Hierarchical galleries
- Check-in/
Check-out/lock
- Categories for files
- Permissions
- Watch
(notification of change by email)

ID	T	Filename	Name	Description	Size	Created / Uploaded	Creator	Hits
7		Contacts.xml	CRM DB SCHEMA	DB Schema in XML format for DB Designer 4	94.29 KB	Mon 21 July 2003	soshea★	1902
8		contacts.pdf	crm.pdf	crm design document in pdf	467.20 KB	Mon 21 July 2003	soshea★	2146
9		rrdtool-colors.pdf	RRDtool colors	RRDtool hex color codes (grabbed from cacti)	50.80 KB	Wed 23 July 2003	ddiall★	904
		Actions						
		Download						
		.oc.tgz	PackIt	Packer Source	111.59 KB	Fri 01 Aug. 2003	llagerlof★	312
		tes.zip	tes	tes aja nih	8.21 KB	Thu 07 Aug. 2003	uwirsd★	348
19		200601.xml	Cathedrals, Bazaars and the Town Council	A interesting text concerning free software evolution.	20.57 KB	Wed 13 Aug. 2003	mose★	501
20		bazaar-fr-1998.ps.gz	Cathedrals, Bazaars and the Town Council	A interesting text concerning free software evolution.	31.84 KB	Wed 13 Aug. 2003	mose★	354
24		bazaar-v0-1998.pdf	Cathedrals, Bazaars and the Town Council	A interesting text concerning free software evolution.	77.14 KB	Sun 17 Aug. 2003	mose★	1064
42		SimpleCSSEdit.swf	SimpleCSSerror	An obsolete flash file showing rendering issues of Simple style. These issues has been already fixed in Tiki.	424.34 KB	Thu 11 Dec. 2003	DennisDaniels★	742
45		LinkingErrorsintiki.swf	movie of errors in cvs	flash	593.01 KB	Fri 09 Jan. 2004	DennisDaniels★	555



Multilingual

- Translated to 35+ languages
- Wiki has awesome i18n change tracking
- Wiki-translation.com

Update 'Call for Participation' based on 'Appel à Participation'

espèrent trouver des façons de rejoindre de nouvelles communautés linguistiques. Le financement est confirmé pour les participants ayant besoin d'aide avec les coûts de transport.

espèrent trouver des façons de rejoindre de nouvelles communautés linguistiques.

Thèmes abordés

Les thèmes qui pourront être abordés dans l'atelier comprennent, sans s'y limiter:

- Méthodes de traduction collaborative
- Projets de traduction

Note: This edit session will expire in 24 minutes. **Preview** or **Save** your work to restart the edit session timer.

Edit:



Babel Wiki Workshop: Cross-Language Collaboration

!Workshop Goal

The goal of this workshop is to explore how wikis and



Profiles.Tiki.org

- **Value** of a free source project
 - Beyond code: the community and the experience
 - Combining the different features, producing new benefits never imagined by the authors
 - How to share this knowledge?
- **Profiles** to configure your Tiki
 - On wiki pages (collaborative, version history, etc.)
 - Can be used not just at install, but **at any time** and can be **combined**
 - Not just for settings, but also for **data**
 - Since there is no extra code, can be designed for very specific, long tail uses
- We can have **hundreds of profiles** for an **out-of-the-box experience**, with a single code-base!



Tiki Use Cases

- Online community / association / club / special interest group / NGO (A)
 - International, multilingual project (A)
 - Advanced portal / news site (A)
 - Corporate web site (A)
 - Groupware Wiki / Corporate Wiki / Corporate Intranet / Team project (A)
 - Public Wiki (A)
 - Group knowledge base / Knowledge Management (KM) / institutional memory (A)
 - Product or software documentation and support (A)
 - Customer extranet (A)
 - Multilingual wiki (A)
- ***A is better, Ratings factoring in the necessary effort to configure.***



Tiki Use Cases (part 2)

- Personal site / family site (B)
 - Simple portal / news site (B)
 - Writing a book (B)
 - Personal knowledge base / manage my life (B)
 - Wiki-based Project Management (PM) (B)
 - Glossary / Dictionary / Encyclopedia (B)
 - Framework / Workflow / Specialized web Application (B)
 - Bug or Issue tracker (B)
 - Collaborative research (B)
 - Voice-enabled wiki and mobile applications (B)
 - Geo CMS (B)
 - Blog (one or several authors) (B)
- ***A is better, Ratings factoring in the necessary effort to configure.***



Tiki Use Cases (part 3)

- Event Management, Conference Management & planning (C)
- Document Management System (DMS) (C)
- SourceForge / Gforge type site (C)
- E-commerce / Shopping cart (C)
- E-democracy (C)
- E-learning / Learning Management System (LMS) / classroom / course management system (CMS) (C)
- Social networking / Job board / Dating site / hospitality exchange / Car Pooling (C)
- Customer / Contact / Constituent relationship management (CRM) (C)
- Bibliography (D)
- Traditional Project Management (PM) with Gantt charts, etc (D)
- Enterprise resource planning (ERP) / Accounting (E)
- ***E is worst, Ratings factoring in the necessary effort to configure.***



About all the features & use cases

- **EVERYTHING IS DEEPLY INTERTWINGLED.** In an important sense there are no "subjects" at all; there is only all knowledge, since the cross-connections among the myriad topics of this world simply cannot be divided up neatly.
- Hierarchical and sequential structures, especially popular since Gutenberg, are usually forced and artificial. Intertwingularity is not generally acknowledged—people keep pretending they can make things hierarchical, categorizable and sequential when they can't.

• Ted Nelson



Major enhancements in 3

- Webservices
- Semantic wiki links and mind mapping
- Tiki Remote Instance Manager (TRIM)
(for wikifarms)
- Revamp of install and upgrade scripts
- Profiles for easy configuration
- JQuery added as experimental
- Zend Framework
- Has been picked as Long Term Support (LTS)
- Release date: May 2009 <http://doc.tiki.org/Tiki3>



Major enhancements in 4

- Google Summer of Code 2009
 - Workspaces & Perspectives
 - Kaltura integration (Collaborative video editing)
 - MediaWiki convertor
- JQuery becomes the default
- Revamp of edit interface
- PDO as default
- GroupMail
- Memcached
- Multi-domain support
- Release date: November 2009 <http://doc.tiki.org/Tiki4>



Major enhancements in 5

- Shopping Cart & payments
- WebDAV support
- Spreadsheet upgraded to jQuery
- jQueryS5 Slideshow
- Searchable admin panels (!)
- Token Access
- Advanced Rating & Metrics Dashboard
- Performance enhancements (front & back-end) + MySQL replication
- Integration with BigBlueButton (Chat/Voice/video/screensharing)
- Release date: April 2010 <http://doc.tiki.org/Tiki5>



Major enhancements in 6LTS

- Blog & comments & WYSIWYG & In context translations & CAPTCHA revamp
 - Category and Group Transition editor (GUI for workflows)
 - Community Currencies with CCLite
 - Contribution: Who wrote What in any wiki page version
 - Newsletters clippings of existing content
 - Social networks (Facebook & Twitter) and Tiki interaction
 - SVN integration
 - Spreadsheet: major improvements
 - Trackers: history of changes
 - User Credits
-
- Release date: November 2010 <http://doc.tiki.org/Tiki6>



Major enhancements in 7

- Unified Search (Zend_Lucene)
 - HTML5 (Canvas, etc)
 - SVG-Edit (collaborative image editing)
 - Improved CRM and Shopping Cart (started in Tiki5)
 - Accounting & Time sheets
 - Trackers revamp
 - Parser revamp
 - Theme Generator
 - Mobile revamp (jQuery, Zend_Framework approach)
 - **What do *you* want to see?**
-
- <http://dev.tiki.org/Roadmap>
 - Release date: April 2011 <http://dev.tiki.org/Tiki7>



Tiki Suite (2011)

- An integrated suite of open source collaboration & publishing tools for small & medium-sized organizations, featuring Wiki + CMS + Groupware + Commerce + Document Management + CRM + Web conferencing + Video editing + E-learning, etc.
 - Tiki (of course)
 - BigBlueButton Chat/Voice/video/Screensharing/Whiteboard which you call in with a POTS
 - Kaltura Collaborative video editing
 - Clipperz password manager
 - ISPconfig web hosting control panel
 - Ubuntu Server or Debian Server
 - OpenLDAP
 - etc



3 things...

- ...I want you to remember about this talk in 6 months
 - The Wiki Way is not just for Wikipedia
 - Tiki is an all-in-one solution
 - The Tiki community eats its own DogFood, and welcomes you.



Questions?

- tiki.org
- Wiki-translation.com
- marclaporte@tiki.org
- Doubts about the Tiki model?
 - tiki.org/Model
- But mostly:
 - tiki.org/Download





Thank you