Introducing :: WikiTags

WikiTags connects Microsoft Office users

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Semantic MediaWiki and related extensions have more potential power
Need Release :: *The (more) Power*

- Be used by **more people**
- Content in **more places**
- Accessible via **more applications**
- Enhanced with **more semantics**
Need :: Workflow Integration + Usability Enhancements

- **Infrequent** Wiki users *frequently* forget where the wiki pages are located
- Search is a **break** from current workflow
- Search result can be **noisy** or **irrelevant**
- **Usability:**
  - Wiki/Template/SF markup syntax is not extremely hard, but enough to turn off many users
  - To locate and consume info in SMW is just not easy enough, *need something better*

- **Why don’t we leverage Microsoft Office suite?**
Microsoft Office ::

The Most Popular Productivity Suite

- 500m users worldwide
- >90% market share
- Users live in the “suite”
- Outlook always open
- Potential for SMW
WIKITAGS :: How It Works

- Leverage Microsoft SmartTags technology
- Bring SMW info to Office applications on-demand
- API for semantic data I/O
- Utilize semantics to improve relevance
- Smart actions for semantic properties
Before the demo, let’s look at

SOME SEMANTIC WIKIS

For more info, go to http://wiking.vulcan.com/dev/
Wiki:: Semantic Sci-Fi Movie

Familiar content just like another wiki

Semantic markups shown in fact box

The 6th Day

Directed by: Roger Spottiswoode
Produced by: Arnold Schwarzenegger, Jon Davison
Written by: Cormac Wibberley, Marianne Wibberley, Arnold Schwarzenegger, Michael Rapaport
Starring: Arnold Schwarzenegger, Michael Rapaport, Jon Davison
Music by: Trevor Rabin
Distributed by: Columbia TriStar
Release date(s): November 17, 2000
Running time: 123 min.

Category: Science fiction films
Wiki:: NGT - Proposal Handling

Simple semantic form-based wiki

Complete capture of semantic data

Used by people of different roles

Semantic markup via form templates

Ingredients for cool presentation

Semantic notifications and RSS

Edit Proposal: Doghouse

Warning: You are not logged in. Your IP address will be recorded in this page’s edit history.

The Next Great Thing

Doghouse
For the longest time, the small dog called a small cardboard box home. This is unacceptable. The house should be made of wood, or perhaps titanium.

Contents
• Total

Why should this be developed or researched?

To create world peace

Describe any known costs to develop this project

Estimate how much it may cost: 2500 USD. Many things:
• Materials
• Time to buy materials
• Design
• Review
• QA
• Quality assurance by dogs and humans
• Show off

Required timeframe for completion if known
2006/08/16

Implementation ideas

Describe any known costs to develop this project

Many things:
• Materials
• Time to buy materials

Proposals Visualized

The curve is for cost; the span is about how long it takes, and the horizontal line indicates when the proposals were submitted.
Click on each dot (or the vertical line) you’ll see the detailed description of each proposal.

This page was last modified on 14 May 2009.
Wiki :: Agile Project Management

- Project Wiki for Milestones, User Stories, Developer Tasks, etc.
- Page is form-based, with queries and semantics built-in.
Now see the demo

LIVE ACTIONS

For more info, go to http://wiking.vulcan.com/dev/
Extension to facilitate semantic data exchange

Web UI to make semantic schema mapping for semantic wiki templates and forms

Web service APIs to do the same

Backstage::S.C. API

- CreateFormOnWiki
  - Category
  - Properties

- SaveAsWikiForm
  - Wiki, Form
  - Property, Values

- GetMappedForms
  - Known Form
  - Active Forms
Special:ApiTest :: Results in JSON

```
[  
  {  
    type: "same as",  
    src: "Developer.Team member.address",  
    map: "Outlook Wiki Contact.OutOfOffice.OutOfOfficeAddress"  
  },  
  {  
    type: "same as",  
    src: "Developer.Team member.city",  
    map: "Outlook Wiki Contact.OutOfOffice.OutOfOfficeAddressCity"  
  },  
  {  
    type: "same as",  
    src: "Developer.Team member.company",  
    map: "Outlook Wiki Contact.OutOfOffice.OutOfOfficeAddressCompany"  
  },  
  {  
    type: "same as",  
    src: "Developer.Team member.country",  
    map: "Outlook Wiki Contact.OutOfOffice.OutOfOfficeAddressCountry"  
  },  
  {  
    type: "same as",  
    src: "Developer.Team member.department",  
    map: "Outlook Wiki Contact.OutOfOffice.OutOfOfficeAddressDepartment"  
  }
]
```
What to take away from the demo

RECAP OF DEMO

For more info, go to http://wiking.vulcan.com/wikitags/
Semantic Info:: Across Office Apps

Dynamic Query Results from the article page

Multiple Wiki Sites supported

Via SmartTags
WikiTags recognizes smartly the keywords or phrases relevant to you
Semantic Info:: In Real-time

Explore related real-time semantic info across the links in article

See articles in categories live
Semantic actions are based on semantic services of properties.
Wiki Forms:::In Microsoft Office

- View Semantic Content in familiar forms
- Contribute into Wiki articles back
Upload Emails into Wiki
- Manual upload
- Automatic upload by folder mapping
- Conflict handling
  - Heuristic category
  - Use recipients, folders and text

Shortcut to create wiki articles

Customize Categories
Attachments automatically uploaded too

Here is the URL: http://wiking.vulcan.com/dev/index.php/Specify_UniqueId_format

Attached is the picture:

Priority=3

Jesse
Option to choose categories of interest and more
WikiTags::Smart Connections

• Consume relevant, targeted information
  – With the tools you are already familiar with
  – In the context – *better relevance and productivity*
  – Only when you need it – *no information overload*
  – In place – *no search overhead to break workflow*
  – In real time – *data from wiki is live*

• Let you contribute to Wiki
  – Without knowing where the content is
  – Without learning *wiki/template syntax*
Next Steps :: What’s in future

• We want to have more users
  – To tell us if WikiTags is helpful
  – To tell us what people want next

• Subversion Integration :: for Software Project Management Workflow
  • Automatically update wiki via svn
  • Prototype released, need beta testers

• Linked Data Integration
• Send email with Subject: WikiTags to Jesse Wang
• Tweet to @aiwang
• Join our monthly DevCon at

• Thanks to:
  – Paul G. Allen
  – Project Halo, Vulcan Technology
  – K. I. T.
  – Ontoprise GmbH
  – TeamMersion LLC
  – All you Semantic Wikiers