Wikis for Building a Collaborative Education Environment

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Today's Outline

- Wikis and Web 2.0
- Wikis and Collaborative Education Environment
- Case Studies - FAST and EPOD @ CSE
- Concluding Remarks

Web 2.0

- Web as a medium vs. **Web as a platform**
- Read-Only Web vs. **Read-and-Write Web**
- Static vs. **Dynamic**
- Restrictive vs. **Freedom & Empowerment**
- Technology-centric vs. **User-centric**
- Limited vs. **Rich User Experience**
- Individualistic vs. **Group/Collective Behavior**
- Consumer vs. **Producer**
- Transactional vs. **Relational**
- Top-down vs. **Bottom-up**
- People-to-Machine vs. **People-to-People**
- Search & browse vs. **Publish & Subscribe**
- Closed application vs. **Service-oriented Services**
- Functionality vs. **Utility**
- Data vs. **Value**

Wikis for Building a Collaborative Education Environment by Irwin King, CUHK, 2008.10.17

Web 2.0 Revolution

- Glocalization-think globally and act locally!
- Weblication-Web is the application!
- 3 Cs
  - Connectivity
  - Collaboration
  - Communities

Wikis and Web 2.0

	Web 1.0	Web 2.0
Technology	HTML, JAVA, Flash Website, encyclopedia, CMS As a book/magazine	AJAX, CSS Blog, wiki, wikis As a platform/tool
Usage	Company-oriented B2B and B2C Fee-based Sales channel	User-contributed Audiences = Authors Free information Social networking

Wikis and Web 2.0

- Wiki is:
  - defined as "the simplest online database that could possibly work."
  - a set of web pages that anyone can create or edit--the R/W Web!
  - Wiki = Wikipedia - pedia (knowledge contents)

Wikis and Collaborative Education

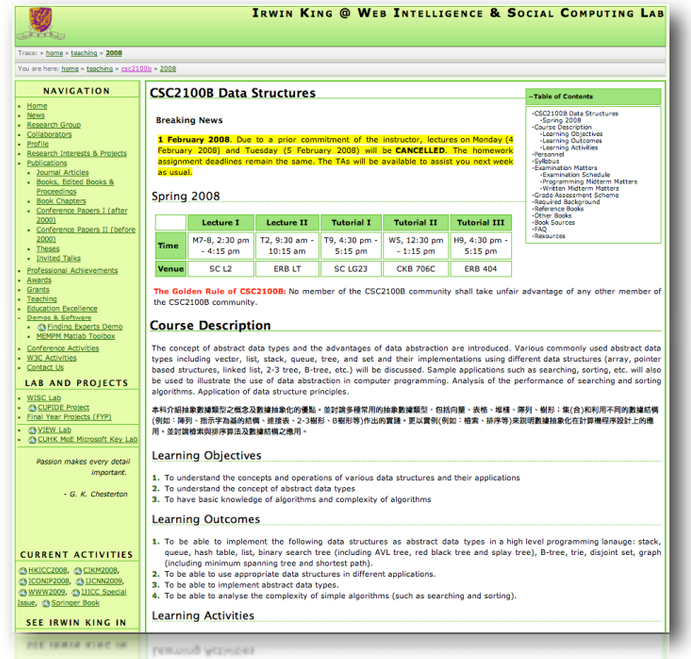
- Without using Wikis:
  - Information can't be shared easily
  - Information can't be managed easily
  - Revision can't be recorded easily
  - Applications are inflexible and inextensible

The Wiki Advantage

- Wiki's advantages:
  - Open source (Free!)
  - Collaborative document management
  - Decentralized control of centralized data
  - Simple, indexable and searchable
  - Extensible and flexible structure (ontology)

Wikis in Education

- Wiki's applications in building collaborative education environment:
  - Personal homepages
  - Course homepages
  - Conference homepages
  - Documentation and collaboration

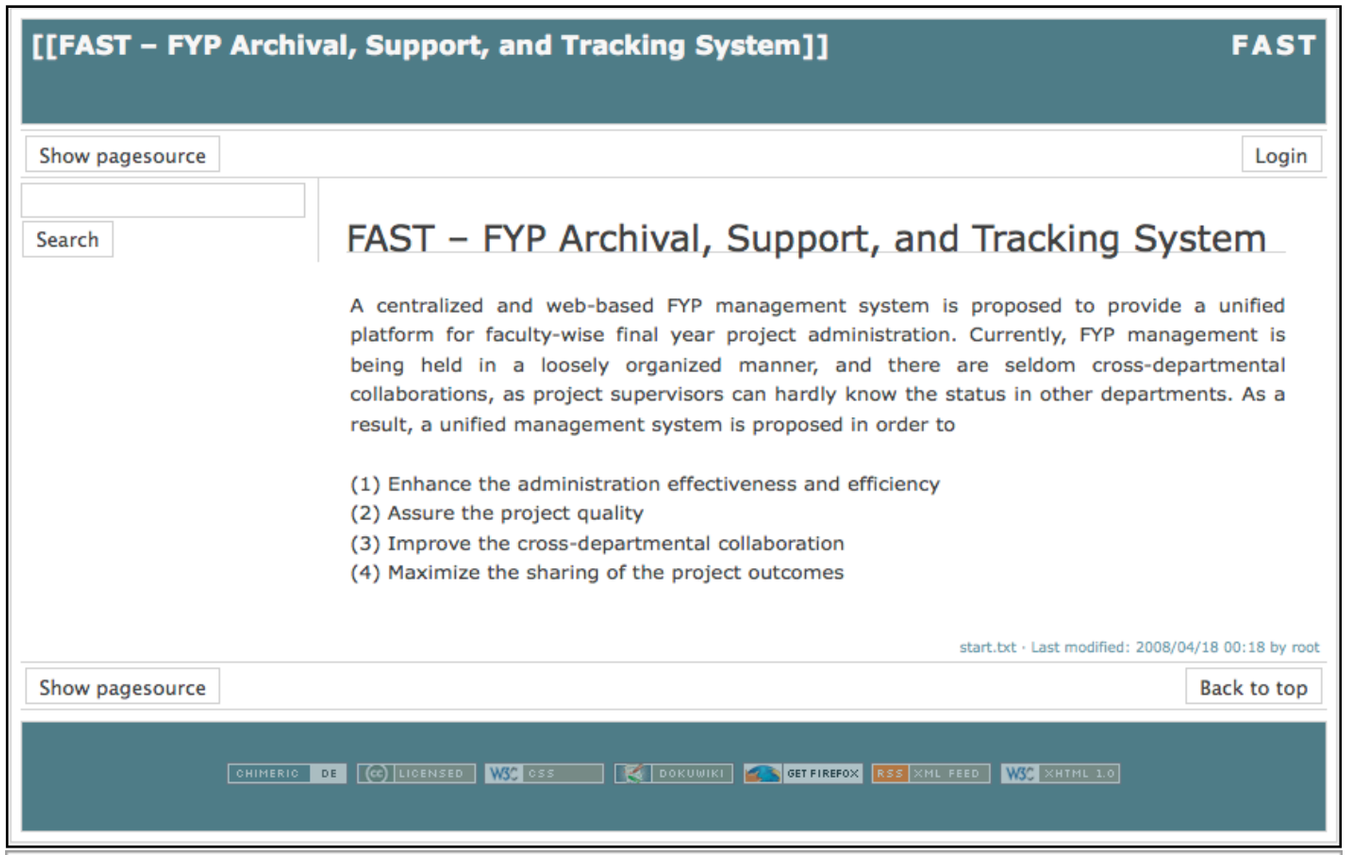


Case Study 1: FAST

- **FAST** - FYP Archival, Support, and Tracking System
- Objectives
  - enhance administration effectiveness and efficiency
  - assure project quality
  - improve cross-departmental collaboration
  - maximize sharing of the project outcomes

Wiki in FAST

- Revision control
- Access control
- Plugins
- Templates
- Caching
- Full text search



[[FAST – FYP Archival, Support, and Tracking System]] FAST

Show page Login

Search

Login

You are currently not logged in! Enter your authentication credentials below to log in. You need to have cookies enabled to log in.

Login

Username hmszeto5

Password ••••••••

Remember me

Login

start.txt · Last modified: 2008/04/18 00:18 by root

Show page Back to top

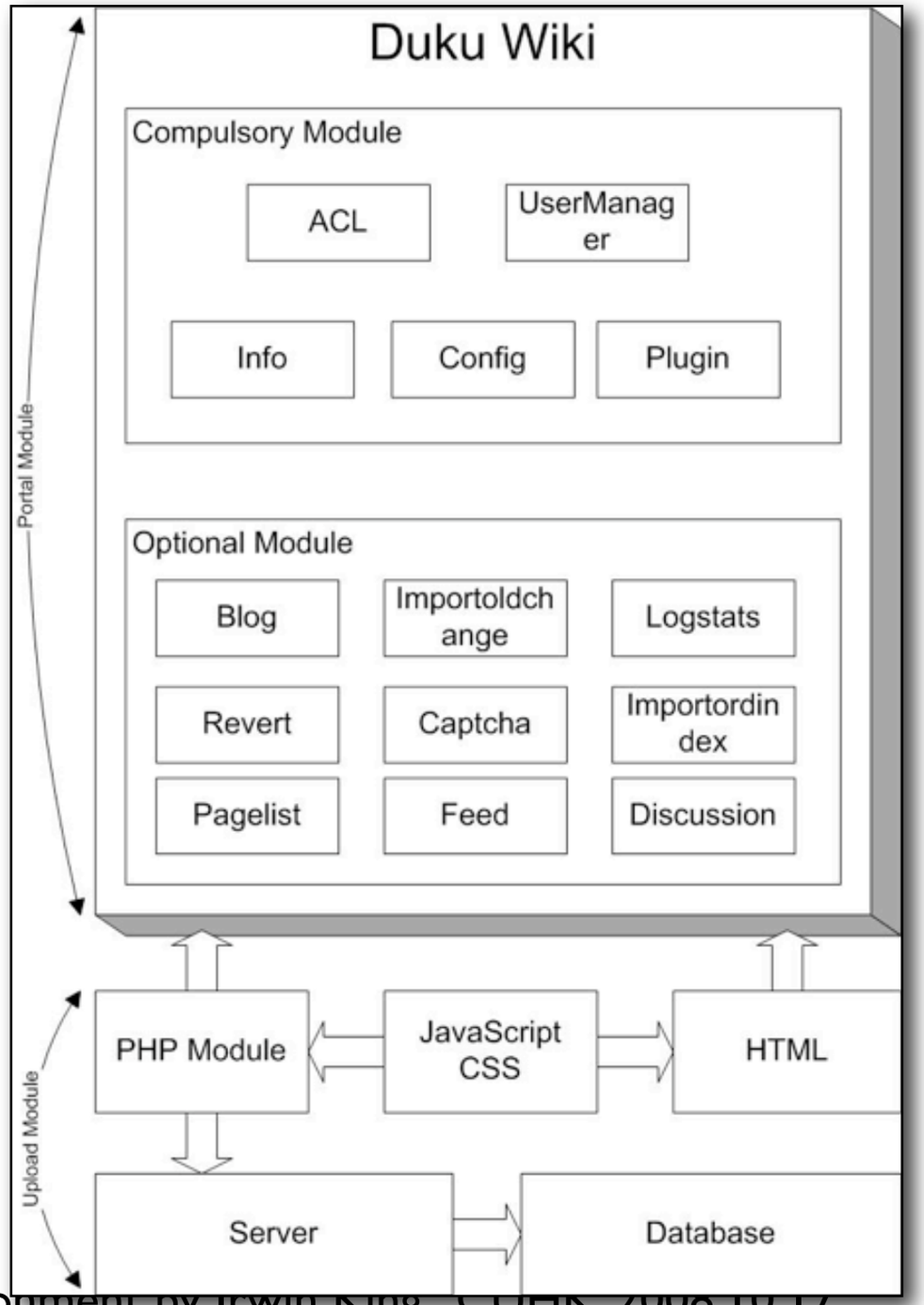
CHIMERIC DE LICENSED W3C CSS DOKUWIKI GET FIREFOX RSS XML FEED W3C XHTML 1.0

Case Study 2: ePOD

- ePOD - The Education Podcast Project
- Use podcast to deliver lecture materials to students
- Benefits
  - Encourage self-learning
  - Help to spread knowledge
  - Excellent publicity tool

Wiki in ePod

- Administration
- User management
- Resource Management
- Functions Plugins, such as
  - Blog
  - Feed
  - Discussion



The Education Podcast (ePod) Project

Trace: » start
You are here: start

NAVIGATION

Main

- Home
- News
- About

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- Courses
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How to...

- Tutorial
  - Student
  - Teacher
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- Resources

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Search

- Login

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ePod

This is the ePod (Education Podcasting) site for the Engineering Faculty, the Chinese University of Hong Kong.
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Computer Science and Engineering

Course Code	Course Name	Podcast Feed
CSC1110	Introduction to Computing	RSS XML FEED
CSC2100B	Data Structures	RSS XML FEED
CSC3180	Principles of Programming Languages	RSS XML FEED
CSC3190	Introduction to Discrete Mathematics and Algorithms	RSS XML FEED
CSC4120	Principle of Computer Game Software	RSS XML FEED
CSC4430	Data Communication and Computer Networks	RSS XML FEED
CSC5110	Advanced Software Engineering	RSS XML FEED

Concluding Remarks

- Wiki is a powerful information collaboration platform on the web
  - searchable, indexable, flexible, and extensible
- Wiki is an ideal tool in a collaborative education environment for managing rich multimedia contents and tracking of learning

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Q & A