

# Content Management Systems



hussein suleman  
uct cs honours 2005

# What are CMSs?

---

- Online systems to **create**, store, edit, secure, preserve, transform and **publish** original and acquired digital content.
- Examples:
  - Slashdot
  - Freshmeat
  - SourceForge
  - Wikipedia

# Zope.org

 search

You are here: Home

You are not logged in [Log in](#) [Join](#)

## About Zope

- [What Is Zope?](#)
- [Zope Powered Sites](#)
- [About Zope.org](#)
- [Member FAQ](#)
- [Zope News](#)

## Business

- [Zope Corporation](#)
- [Solution Providers](#)
- [Zope Hosting](#)

## Documentation

- [The Zope Book](#)
- [Developer Guide](#)
- [Administrator Guide](#)
- [API reference](#)
- [ZPT reference](#)

## Welcome to Zope.org

*The Web Site for the Zope Community*

### What is Zope?

Zope is an open source application server for building content managements, intranets, portals, and custom applications.

The Zope community consists of hundreds of companies and thousands of developers all over the world, working on building the platform and Zope applications. Zope is written in Python, a highly-productive, object-oriented scripting language. [more](#)

### Welcome to the new Zope.org!

Zope.org has a new look and a new platform, based on Zope 2.6.2, the CMF and Plone.

The old site will remain accessible at <http://old.zope.org> for some time.

[Zope 4 Intranets Training](#)  
[Zope Intermediate Solutions Training](#)  
Sept 27 - 30, 2004

[Zope Technical Solutions Training](#)  
July 19 - 22, 2004

[Zope Technical Solutions @ CIGNEX](#)  
July 13 - 16, 2004

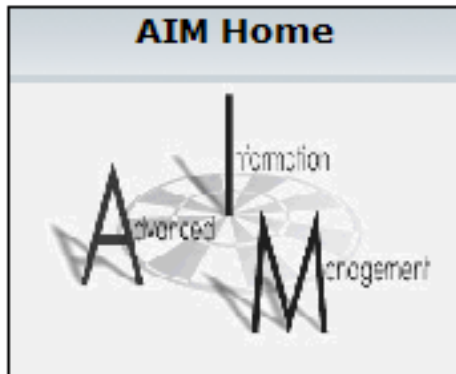
[Zope Technical Solutions @](#)

# PHPNuke, PostNuke, Zope

---

- ❑ Manage basic content (pages) and gather resources from different locations.
- ❑ Easy to use and install for end users.
- ❑ Professional appearance.
- ❑ Minimal installation resources.
- ❑ Modular and extensible.
  - Portal approach to user interface.
- ❑ Lots of existing software packages: PHPNuke, PostNuke, Zope, etc.

# Tiki-Wiki



AIM



### Menu

- home
- [\[-\] Wiki \[+\]](#)
- [\[-\] Image Gals \[+\]](#)
- [\[-\] Forums \[+\]](#)
- [\[-\] File Galleries \[+\]](#)

### Calendar

<2004> Today <Jul>

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Welcome to the website for the Advanced Information Management research laboratory (AIM), a new and exciting venture of the Department of Computer Science at UCT to foster collaboration among staff members with related research interests and provide a forum for peer learning among post-graduate students.

[Members](#)

### Login

user:

pass:

[I forgot my pass](#)

### Search

in:


Entire Site

### Recently visited pages

### Last changes

- 1) SandBox
- 2) Members
- 3) Areas of Interest
- 4) Activities
- 5) AIM
- 6) ...

# Wikipedia



**WIKIPEDIA**  
*The Free Encyclopedia*


navigation

- [Main Page](#)
- [Community portal](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)
- [Donations](#)

search

toolbox

- [What links here](#)

 [Log in](#)


[article](#) [discussion](#) [view source](#) [history](#)

## Main Page

[Welcome](#) to [Wikipedia](#)! We are building an [open-content encyclopedia](#) in [many languages](#). In the English version, started in January 2001, we are now working on [302665 articles](#). Learn [how to edit pages](#), experiment in the [sandbox](#), and visit our [Community Portal](#) to find out how **you** can participate in the development of Wikipedia.

[Browse by topic](#)  
[Other languages](#)  
[Sister projects](#)  
[Text only](#) | [No tables](#)


### Today's featured article



The [saxophone](#) is a [musical instrument](#) of the woodwind

### In the news

- The [International Court of Justice](#) rules that the

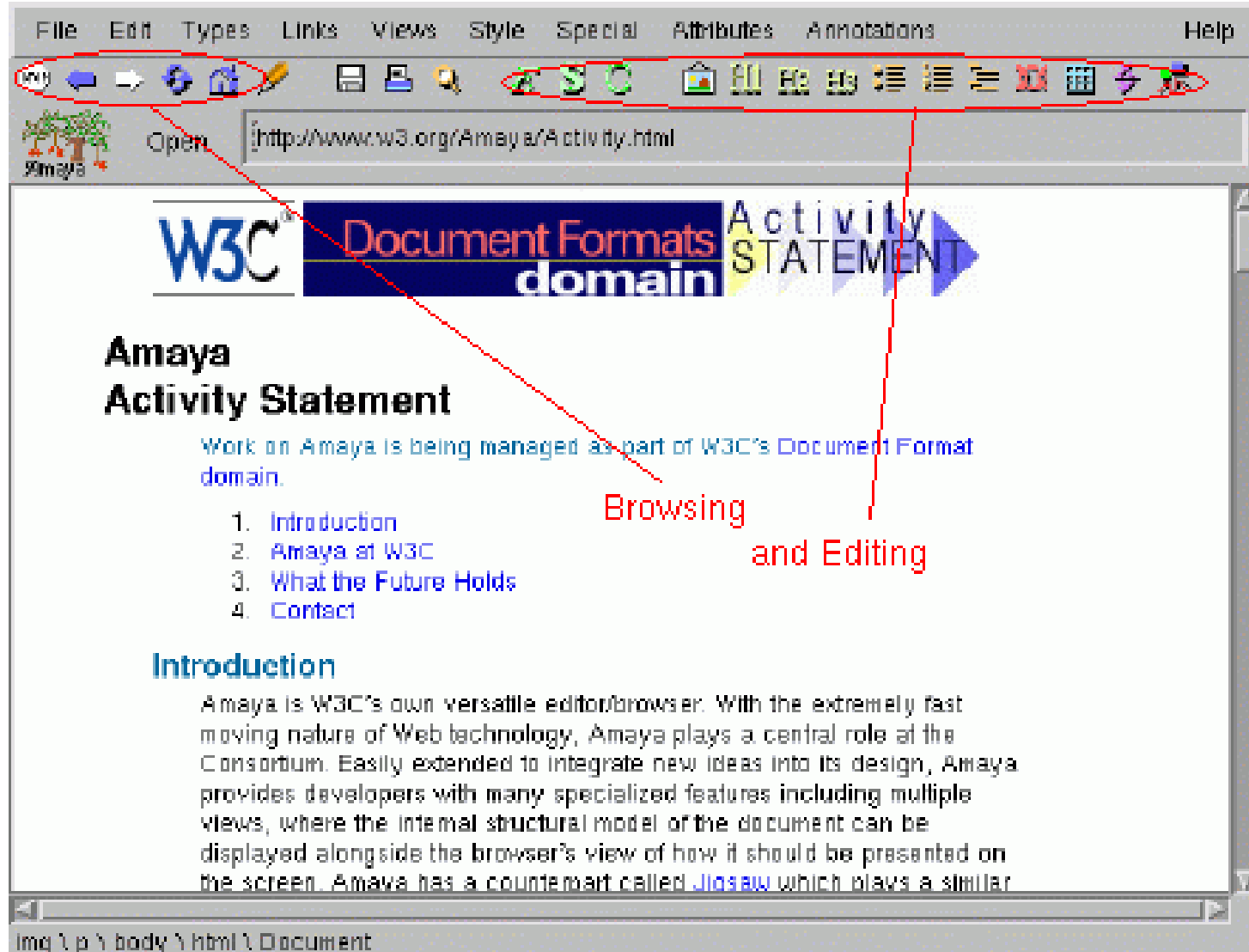


# Wiki

---

- Wikis are collaborative website editors, using a Web interface.
- Every page (generally) has an “edit” button.
- HTML is too complex so it is simplified
  - e.g., !! heading, \*bullets, bold
  - New pages are created by linking to them.
- Security is not necessary - actions can be undone by an administrator.

# Amaya





## Vision

---

- The WWW is meant to be a place for accessing and authoring content, not just the former.
- Amaya is W3C's experimental 2-way browser that works with their 2-way server Jigsaw.
- Is access more important than content creation? Why (not)?

# Blogger.com

---

Written	9
Pages Written	1,835
External Links	0
Page Views	138

## Recent Posts

### [Math Project!](#)

25 May 2004

hey blog! Well .. Today I got my math result .. eh .. I got 23/30 ! I wasnt really happy, and I wasnt upset! I just want this course to END ! And Guess what ! I have a new thing to worry about ! It My MATH project ! well .. Wish me all the best . I dont know where really to start ! ...

### [hey blog! Well .. Bad Day! I did really bad...](#)

24 May 2004

... my CAP test ! eh :( Also My Math test told us that he is really upset from our test results :( And I feel that he is talking about me :( so I am getting really upset ! Well .. Today , I was really embaressed .. lol I was saying :- WHEN THIS CAP TEACHER WILL COME UFF .. Suddenly !! Guess...

### [Cool Day !](#)

23 May 2004

hey blog! Well .. It was a good day ! Tomorrow I have a CAP test! hmmm .. I am studying for it.. Well .. There is nothing new today ! So0o .. I am going to teach

# Weblogs

---

- Online Web-based journals.
  - There are also online photo albums, shopping lists, CD inventories, etc.
- Simple interface for non-techie users to publish thoughts.
- Single or group.
- Usually free - what are the economics?

# Ananzi

[Home](#) [International](#)

Browse SA web sites by category

[Industry & Engineering](#)  
Manufacturing, Mining,  
Auctions...

[Motoring](#)  
Cars, Trucks, Auctions...

[Personal Finance](#)  
Investments, Tax, Banks...

[Property](#)  
For Sale, Rentals, Auctions...

[Reference & Publications](#)  
Newspapers, Books, Media...

[Science & Environment](#)  
Astronomy, Weather,  
Farming...

[Shopping & Auctions](#)

Classic watch

Sun Jul 11 2004 17:39:47  
GMT+0200 (South Africa  
Standard Time)

**Ananzi News** [news24.com](#)

- [Work on barrier wall continues](#)
- [Men draw swastikas on mom](#)
- [Leaders must do more - Annan](#)
- [Hostage taken in Baghdad](#)
- [Sharks can boost ECape](#)

**BBC News** [BBC NEWS](#)

- [Tel Aviv hit by rush hour blast](#)
- [Kerry blasts Bush Iraq 'failures'](#)
- [UN head urges action against Aids](#)

**Ananzi Sport** [365 Sport](#)

- [Zim rebels given new deadline](#)
- [Scottish Open: Sunday's latest news, scores](#)
- [All Blacks back island style](#)
- [Chiefs Progress To Final](#)

# Content Syndication

---

- ❑ Really Simple Syndication (RSS) is an XML-RPC (predecessor to SOAP) protocol to transfer a list of recently updated entries from one CMS to another.
- ❑ RSS uses the Resource Description Framework (RDF) XML format to encode items.
- ❑ Blogs, Wikis and other CMSes generally support RSS, sometimes both as client and server.
- ❑ Why not OAI-PMH?

# CMSs and the WWW

---

- Why do we need CMSes on the WWW?
- What did we do before CMSes?
- What fundamental properties of the Web have resulted in the evolution of CMSes?
- How can we improve on current CMSes?
- What have we learnt from the increasing popularity of Wikis and Blogs?

# CMSs and Digital Libraries

---

- How do CMSs relate to Digital Library systems?
  - Similarities?
  - Differences?
- Is one a subset of the other? or are they complementary? or will one eventually replace the other?