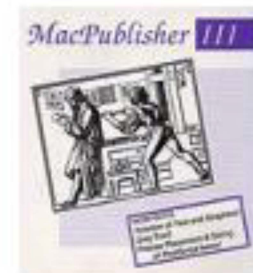


Bob Doyle Timeline

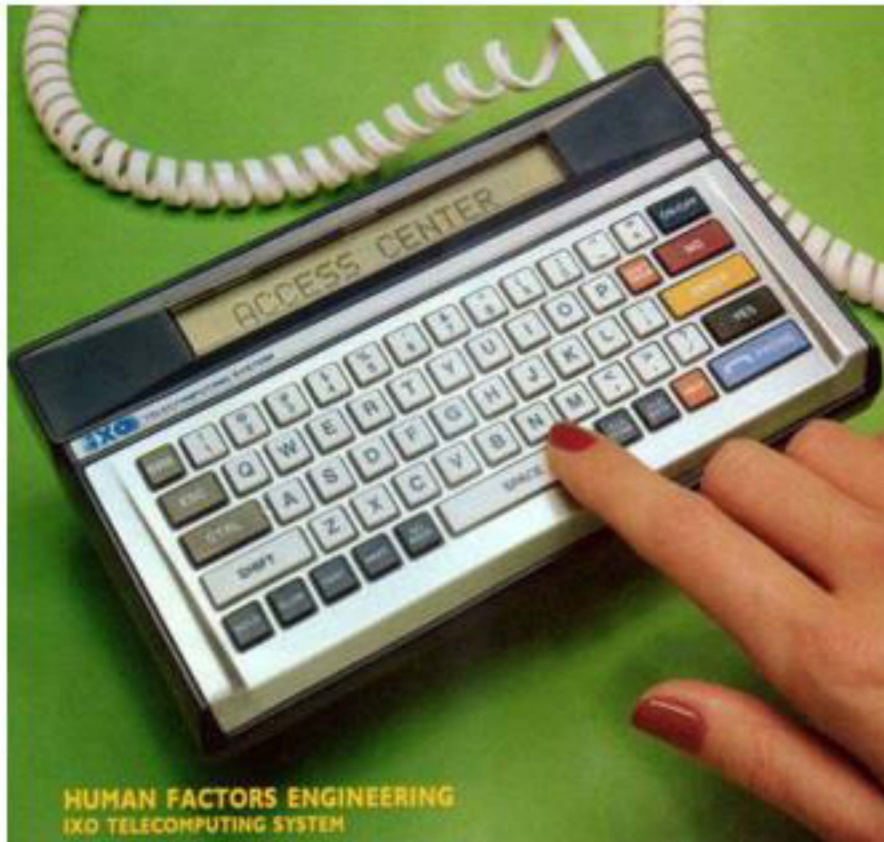
Ph.D. Astrophysics, Harvard, 1968
Collaborative Observing Program, Skylab 1970-72
Super8 Sound, 1973-78
Harvard-Radcliffe Film Workshop - 1975
Merlin and 5 other computer games– 1977-81
iXO Telecomputer – 1980-87
MacPublisher – 1984-1987
Brown Television (BTV) - 1986
Hi-8 and DTV Users Groups 1986-1996
Harvard-Radcliffe Television (HRTV) – 1988
Quad Sound Studios – 1990
Digital Video Editor, New Media -1993-1999
skyBuilders.com – 2000-present



Parker Brothers Games



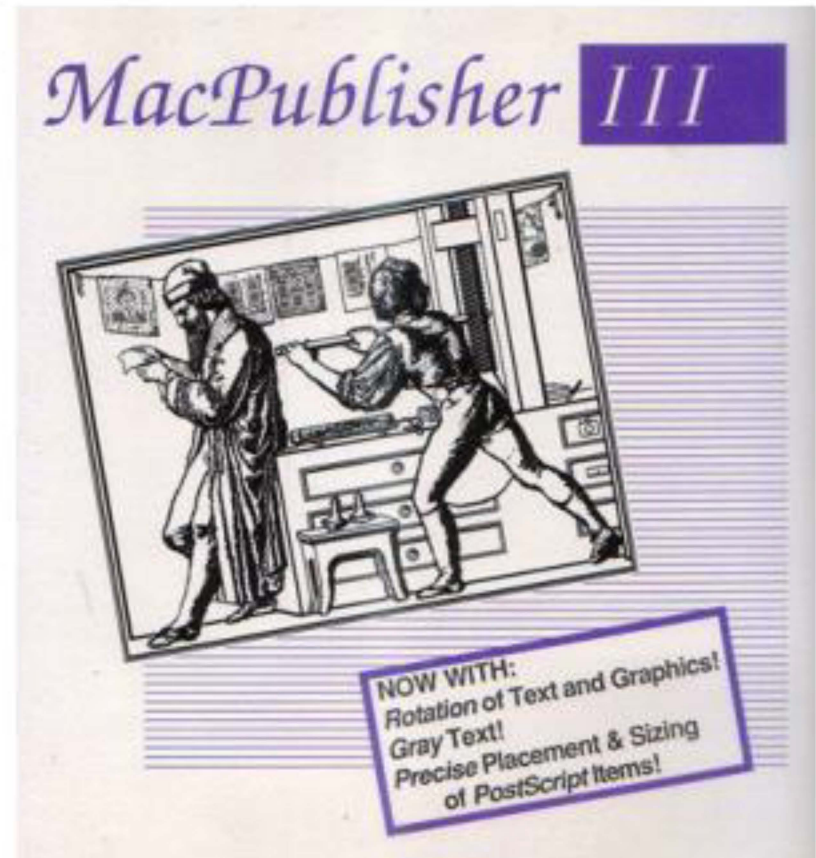
iXO Telecomputer



- Computer-initiated dialogues (AI)
- Yes, No, Help, Repeat keys
- “Operators are standing by”
- Stock trades, airline reservations, bill paying.
- Hearing-impaired
- Powered from phone line
- Venture capital \$13 million
- Never developed the backend database services
- Huge NOL carry-forward

MacPublisher

- First Desktop Publishing Program
- 11th Certified Mac Developer
- Shipped in 1984
- Laserwriter in 1985
- First “spot color” text on Apple Imagewriter
- First rotated text/graphics
- Sold 20,000 copies
- MacIndexer
- Mac-Hyphen
- Sold to Letraset in 1987



Brown Television (BTV)



Doug Liman

Hi-8 Users Group

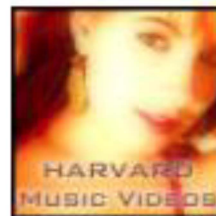
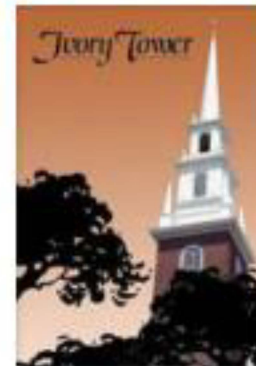


Funded Videomaker Magazine, Hi-8 Group became Desktop Video Group in 1992

HRTV and Quad Sound



H.R.tv



Harvard-Radcliffe Film Workshop was in the basement of Holmes Hall (North/Pforzheimer House) where the old Radcliffe Radio Station and Morse Music Library were located. In the mid-80's it became HRTV and the radio broadcast booth and adjoining sound rooms became Quad Sound Studios.

Doing What Recently

CEO, skyBuilders.com – 2000-2006



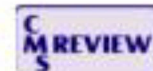
Editor, CMS Review and twelve related websites – CMS Wiki, CMS Forum, CMS News, CMS Calendar, CMS Glossary, CMSML, CMS Boston, Open Internet Lexicon, TaxoTips, Memography, Memetic Web, List-2-Web



Founder, CM Professionals



Contributing Editor, EContent Magazine



The First Podcast

- Christopher Lydon (NPR's "The Connection")
- Dave Winer
- Adam Curry



- Bloggercon
- BlogAudio.org
- Lydon's new "Open Source" Show

CMS Review



What do you want to do here?

**Feature Lists, Comparisons
and Resources to help
select the right CMS**

[Hosted CMS](#) | [Open Source CMS](#) | [Proprietary CMS](#) | [Forums](#) | [News Portals](#) | [Weblogs](#) | [Wikis](#) | [WYSIWYG Editors](#) | [XML Editors](#)

[List of CMS](#) | [Search for a CMS](#) | [Directory of CMS](#) | [CMS Features](#) | [Feature Comparator](#) | [Content Management Glossary](#)

15 STEPS

7 STAGES

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GLOSSARY

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[CMS Systems](#)

[CMS Review](#)

[Zope CMS](#)

[XML CMS](#)

THE MISSION OF **CMS REVIEW** IS TO GIVE YOU THE RESOURCES YOU NEED TO CHOOSE THE right content management system for your organization. We manage a network of content management related sites and community **mailing lists** and we link you to the top CM sites in the world.

We provide **directories** with descriptions of over 350 **Proprietary CMS**, **Open-Source CMS**, and **Hosted CMS** services at application service providers.

We separately list "CMS-Lite" products like **Forums**, **News Portals**, **Weblogs**, and **Wikis**, as well as **WYSIWYG Editors** and **XML Editors** for a CMS. We also list **News Readers** and **Weblog Aggregators**.

Above all, we want to try to help answer these basic questions.

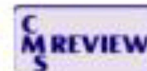
- What are the **defining features** of a CMS?
- How can you **compare** different CMS?
- What are **the 15 steps to select a CMS** ?
- Should you **build, buy, or rent** your CMS?

TODAY'S CMS NEWS
Thursday, 23 March 2006

DITA 2006 Day One Activities
The BMA signs contract with ...
CMS Watch releases ...
Unleashing the power of open ...
Putting WYSIWYG to the test

Google CMS News
Yahoo CMS News

TOP CONTENT MANAGEMENT SITES



Finding a CMS

- The CMSML project at CMS Review and CM Pros

CMS Feature Comparator

Choose any two CMS and compare them head to head and feature for feature.

The **Feature Comparator** is generated from the **CMSML** database.

List below shows the current database contents. Click **Search** below to enter parameters and find matching CMS in the database. Click **Directory** below to access our faceted CMS classification. Choose two CMS from the drop down menus, then click **Compare** below to see features side by side.

All four of these tools are always available in the CMS Review global navigation above.

These four tools (and others) can be syndicated as **feeds for your CMS-related website**.

List | Search | Directory | Atomz Publish | Advantage | Compare

Click compare to get the results below...

Select two CMS or enter search terms to find CMS that match your criteria.

The directory is a *faceted* classification scheme.

| | Atomz Publish  | Advantage  |
|---------------------|---|--|
| ▼ CMS | | |
| ▼ Overview | | |
| ▼ Basic Info | | |
| Product Name | Publish | Advantage CMS |
| Organization Name | AtomZ | Crownpeak Technology |
| Company Web Page | http://www.atomz.com | http://www.crownpeak.com/ |
| Product Web Page | http://www.atomz.com/publish/ | http://www.crownpeak.com/ |
| Company Description | Currently used by a wide variety of enterprises and organizations, Atomz Publish enables distributed Web developers, designers and content editors to collaboratively produce and | CrownPeak's Advantage CMS delivers all of the features of a world-class content management system: source control, versioning, spell checking, link checking, |

CMS Review Glossary



What do you want to do here?

**Feature Lists, Comparisons
and Resources to help
select the right CMS**

[Hosted CMS](#) | [Open Source CMS](#) | [Proprietary CMS](#) | [Forums](#) | [News Portals](#) | [Weblogs](#) | [Wikis](#) | [WYSIWYG Editors](#) | [XML Editors](#)

[List of CMS](#) | [Search for a CMS](#) | [Directory of CMS](#) | [CMS Features](#) | [Feature Comparator](#)

15 STEPS

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[Red Dot CMS](#)

[CMS News](#)

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Content Management Glossary

Content Management Glossary

A

Above The Fold

Abstract

Abstraction Layer

Access Control

Accessibility

ACID

Acquisition

Active Server Pages

Adapter

Administration

Affordance

Agents

Aggregation

Alignment

Analytics

Annotation

API

Application

Application Portal



Definition of Accessibility

The screenshot shows a web browser window with the address bar displaying "http://www.cmscalendar.com - CMS Review Glossary - M...". The page content is divided into several sections:

- Header:** "CMS REVIEW" logo and navigation links: "Hosted CMS", "List of CMS", "15 STEPS", "7 STAGES", "BEST PRACTICES", "PRODUCTS", "RESOURCES", "TOOLS", "NEWS", "CALENDAR", "GLOSSARY", "ABOUT", "HOME".
- Right Sidebar:** "Feature Lists, Comparisons and Resources to help select the right CMS". Below this are links for "Wikis", "WYSIWYG Editors", and "XML Editors". A dropdown menu is open, showing a list of terms: "Content Management Glossary", "Content Management Glossary", "A", "Above The Fold", "Abstract", "Abstraction Layer", "Access Control", "Accessibility" (highlighted), "ACID", "Acquisition", "Active Server Pages", "Adapter", "Administration", "Affordance", "Agents", "Aggregation", "Alignment", "Analytics", "Annotation", "API", "Application", "Application Portal".
- Main Content Area:**
 - Glossary Term:** Accessibility
 - Definition:**
 - Accessibility is the measure of a web page's usability by persons with one or more disabilities hearing- or visual-impairment being the most important.
 - The Americans with Disability Act ([section 508 guidelines](#)) specifies a FeatureSet? needed for [compliance](#).
 - W3C?, the World Wide Web Consortium also offers [web accessibility guidelines](#).
 - [Booby](#) is a free portal that runs tests on a WebSite? to verify [compliance](#) with the accessibility guidelines.
 - Mark Pilgrim's [Dive Into Accessibility](#) is a tutorial site.
 - Do not confuse with [Access Control](#).
 - [CMS Glossary Index](#) | [Back](#)

CMS Review Videos

- Eighty hours of video from Gilbane Conference, IA Summit, OSCOM, Bloggercons at Harvard.



Bob Boiko interviews Shino

Other CMS Review Sites

7 STAGES
BEST PRACTICES
PRODUCTS
RESOURCES
TOOLS
NEWS
CALENDAR
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ABOUT US
HOME

CMPros
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PROFESSIONALS

+1 617-876-5676

Editor Login



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*We can not provide help with the much larger problem of analyzing the needs for a CMS in your organization, then implementing a Content Management Solution. For that you need a **CMS Consultant** and/or an **Information Architect**.*

Consider joining the new **CM Professionals** community of practice. It's just \$50/year.

We are not a news or analysis site. There are several good ones. For your convenience, we publish those with RSS news feeds at **CMS News**, a CM community news aggregator.

We monitor CMS mailing lists for important insights into

TODAY'S CMS NEWS
Thursday, 23 March 2006

DITA 2006 Day One Activities
The BMA signs contract with ...
CMS Watch releases ...
Unleashing the power of open ...
Putting WYSIWYG to the test

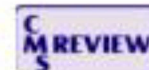
Google CMS News
Yahoo CMS News

TOP CONTENT MANAGEMENT SITES

AIMM
AMIA
CMSML
CM Pros
CMS Info
CMS Wiki
CMS Lists
CMS-Wire
CMS News
CMS DMOZ
CMS Watch
CMS Matrix

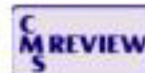
[CMPros](#) | [CMS Forum](#) | [CMS Wiki](#) | [CMSML](#) | [CMS News](#) | [CMS Calendar](#) | [CMS Glossary](#) | [CMS Boston](#) | [Memography](#) | [OIL](#) | [TaxoTips](#)

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[Open Internet](#)
[Lexicon](#)
[TaxoTips](#)
[List-2-Web](#)



CM Professionals

- Website
- Globalization
- Community Tools, Mail, Member Directory
- Glossary, Resource Library, Calendar
- Face-to-face Meetings
- CM Pros Communities



CM Professionals

The Content Management Community of Practice

Quick Links


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CM Pros membership provides you with the opportunity to work alongside the industry's most influential experts. CM Pros members:

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- [Gain credibility](#) with the media and the marketplace.
- [Receive recognition](#) as an active supporter of CM excellence.
- [Attend members-only events](#) including [CM Pros Summits](#) and [Face-to-Face Meetings](#)
- Take advantage of [member discounts](#).

Only USD 50 per year!
[Join Now](#)

Upcoming Events

CM Pros plans to hold face-to-face meetings at the following upcoming conferences:

Breaking News - March 23, 2006


Spring 2006 Summit Program - Preview Now Available!

Content Management & the Customer Experience

is the theme of the fifth CM Pros Summit, scheduled for 23-24 April 2006 in San Francisco. Topics include Actionable Content, Customer-Centric Content Management and a special poster session on the Content Lifecycle. Plan to be there in time for the opening keynote at 1:30 PM local (CST) time.
[Call for Papers](#) · [Program preview](#) · [Registration](#)


CM Pros on the EC100!

CM Professionals has made the EContent100 list, published by EContent -- the magazine about digital content strategies and resources, featuring companies with "winning strategies and solutions that define the digital content industry." Congratulations and thanks to all members for helping make CM Pros so instrumental to content management! [The EC100](#).



On the CM Pros Blogs. Thursday, March 23, 2006

[DITA 2006 Day One Activities](#) · [The Content Wrangler CMS Watch releases Enterprise Portals ...](#) · [Step Two Unleashing the power of open source in ...](#) · [Step Two Putting WYSIWYG to the test](#) · [CMSWatch EclipseZone - Open source Eclipse/SWT XForms ...](#) · [Bill Tripp](#)

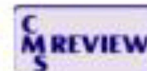


ABCD Multimedia and Video Group
Harvard Science Center - May 30, 2006



EContent

CM Pros
CONTENT MANAGEMENT
PROFESSIONALS



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Region Country [Map](#)

| Region | Country |
|--|--------------------------|
|  | Australia - 30 members |
| | Belgium - 8 members |
| | Canada - 68 members |
| | Denmark - 14 members |
| | Egypt - 1 members |
| | Finland - 1 members |
| | France - 6 members |
| | Germany - 4 members |
| | Ghana - 1 members |
| | Greece - 1 members |
| | Iceland - 2 members |
| | India - 3 members |
| | Ireland - 1 members |
| | Israel - 3 members |
| | Italy - 2 members |
| | Japan - 5 members |
| | Netherlands - 44 members |
| | New Zealand - 1 members |
| | Nigeria - 1 members |
| | Norway - 6 members |
| | Philippines - 1 members |
| | Singapore - 1 members |
| | South Africa - 1 members |
| Spain - 2 members | |
| Sweden - 1 members | |
| Switzerland - 4 members | |
| Thailand - 1 members | |
| Turkey - 1 members | |
| United Kingdom - 23 members | |
| United States - 483 members | |



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Summits
Calendar
Face-to-face meetings
Home

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Events from 3/23/2006

Format: [Brief](#) | [Abstract](#) | [Full](#) Sort: [Date](#) | [Location](#)

Type: Any Organization: Any

[IA Summit 2006](#)
March 23 - 27 [Conference](#), [IAI](#)

[DITA 2006](#)
March 23 - 25

[STC Currents 2006](#)
March 24 - 25

[Content Management Strategies Conference 2006](#)
April 3 - 5 [Conference](#)

[InterDoc Symposium 2006](#)
April 10 - 12 [Conference](#)

[DESIGN IT! Conference 2006 Spring](#)
April 11 - 12 [Conference](#)

[Knowledge Management 2006](#)
April 19 - 21

[Gilbane Conference on Content Management Technologies - SFO](#)
April 24 - 26 [Conference](#), [Seminar](#)

2006
March

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|----|----|----|
| | | | 1 | 2 | 3 | 4 |
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| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

Wednesday, Mar. 23, 2006

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Face-to-face meetings

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Events from 3/23/2006

Format: [Brief](#) | [Abstract](#) | [Full](#) Sort: [Date](#) | [Location](#)

Type: Any

Organization: Any

- Any
- CM Pros**
- STC
- IAI
- DITA
- AIIM

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2006

March

| Su | Mo | Tu | We | Th | Fr | Sa |
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| | | | 1 | 2 | 3 | 4 |
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| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

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CM Pros Best Practices

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[CMS Overview](#)
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[Website](#)
[Home](#)

[Home](#) > [Resources](#) > [Best Practices](#) > Controlling Vocabularies

| | |
|---|--|
|  | <h2>CM Professionals Best Practices</h2> |
| Pattern | <h3>1.3 Controlling Vocabularies</h3> |
| Intent | <i>Improve our ability to share knowledge by first sharing a common vocabulary that reduces ambiguities and confusion, and provides terms for use in categorization and advanced search.</i> |
| Context | Navigating a website or searching a knowledge base requires the use of keywords and standard terms. When different users have different names for the same thing, the resulting confusion reduces worker productivity and degrades communication between colleagues. |
| Problem | <ul style="list-style-type: none">• Why can't everyone just use the same vocabulary?• This problem is difficult because<ul style="list-style-type: none">◦ Everyone comes to their work with different educational backgrounds and experience, and they may have different names for similar subjects or concepts.◦ The tendency to invent jargon is irresistible. Having a standard controlled vocabulary and a standard set of practice descriptors, organized into a standard arrangement, takes a lot of discipline.◦ Sometimes people need training in the accurate spelling of terms important in their workplace.◦ Even CM Pros tend to invent practices and jargon for their marketing advantage, rather than conform to an industry practice. |



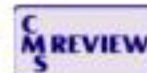
Defining Content Management

- What is a CM System?
- What Is Content Management?
- What Is Content?



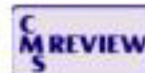
What is a CM System?

- It is humans using computers and software to assist in managing content.
- It has two main parts:
 - The user interface.
 - The database (content repository).
- Everything else is *magic* middleware.
- It helps manage the *content lifecycle*.



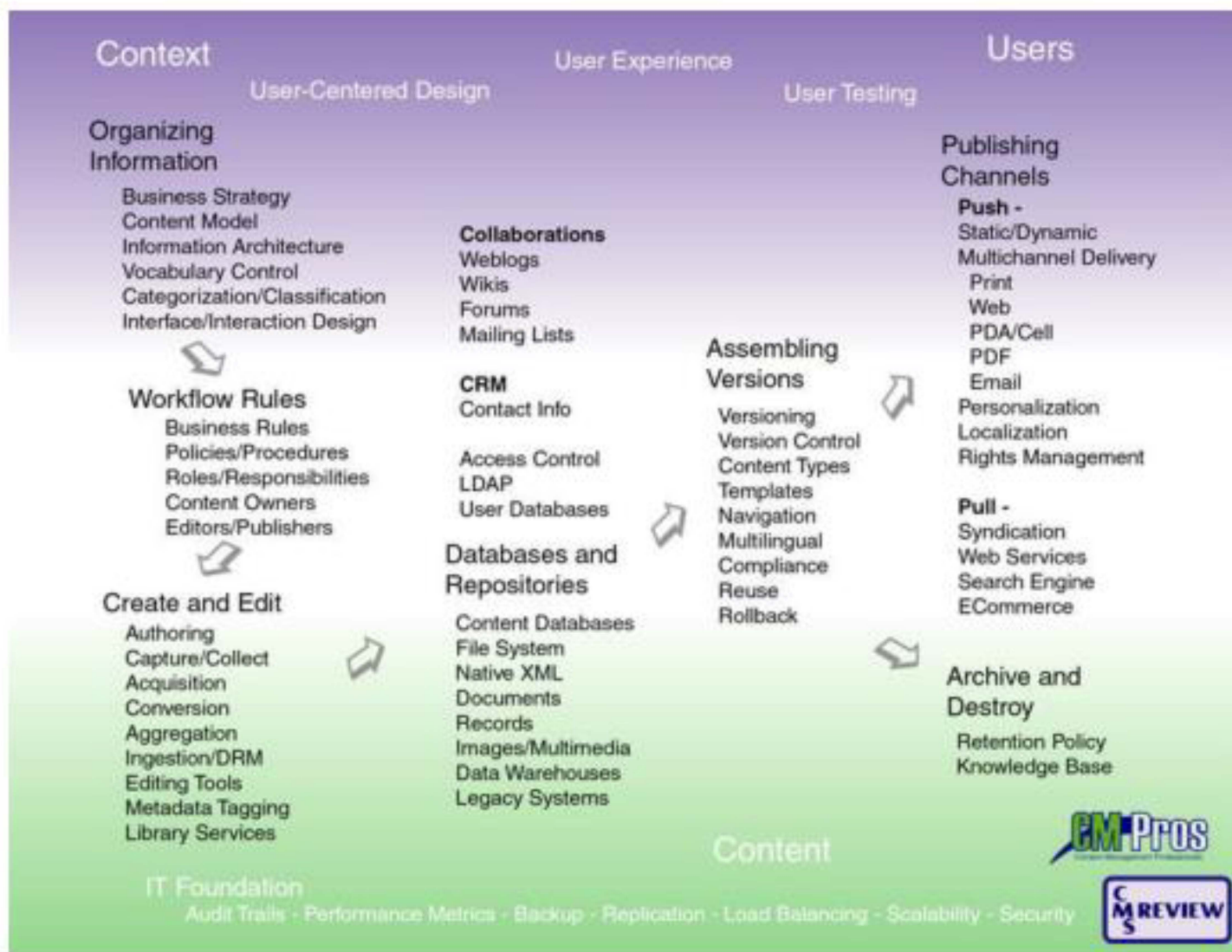
What Is Content Management?

- Content management is the whole process from creation and capture of original content to the delivery of different versions to many publishing channels:
 - Print
 - Web
 - Cellphone
 - Etc.



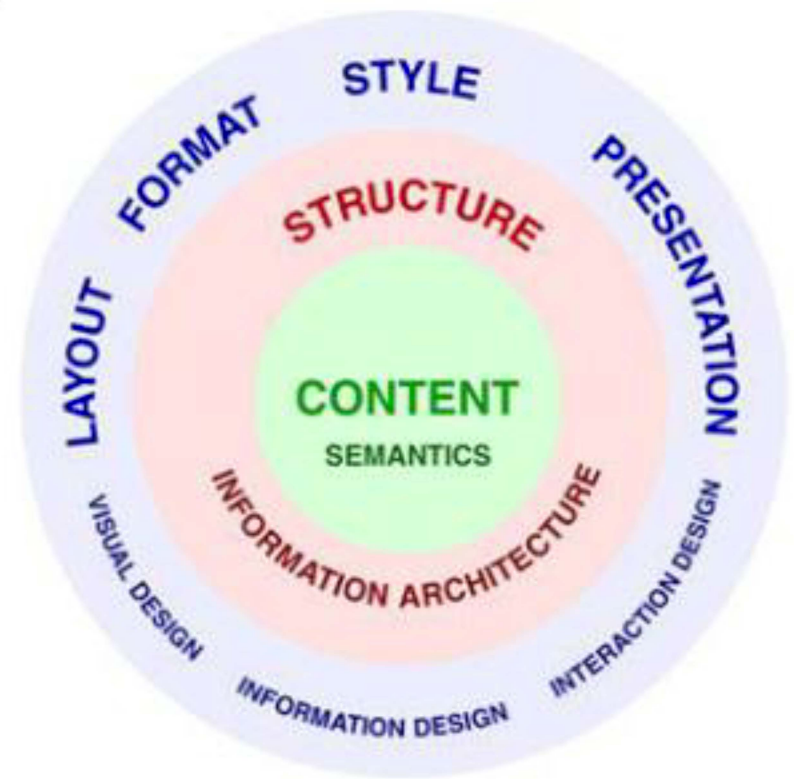
The Content Lifecycle

- 7 stages
- Organize
- Rules
- Create
- Storage
- Assembly
- Publish
- Archive
- Context
- Users
- Content



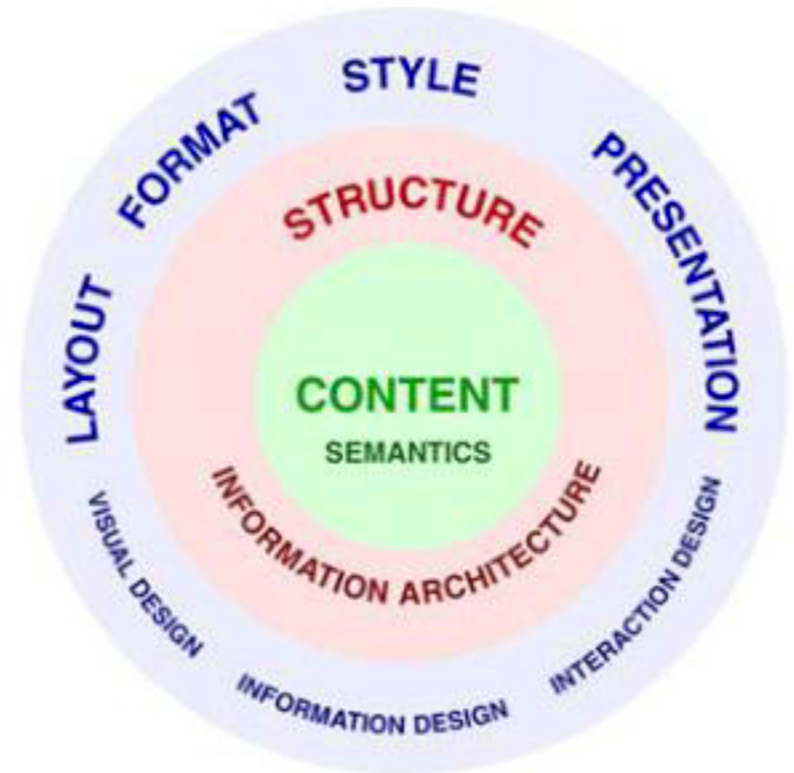
What Is Content?

- It's not the Presentation or the Structure!
- Separate Presentation from Content
- Structure the Content
- Tag Content with Meaning (semantics)



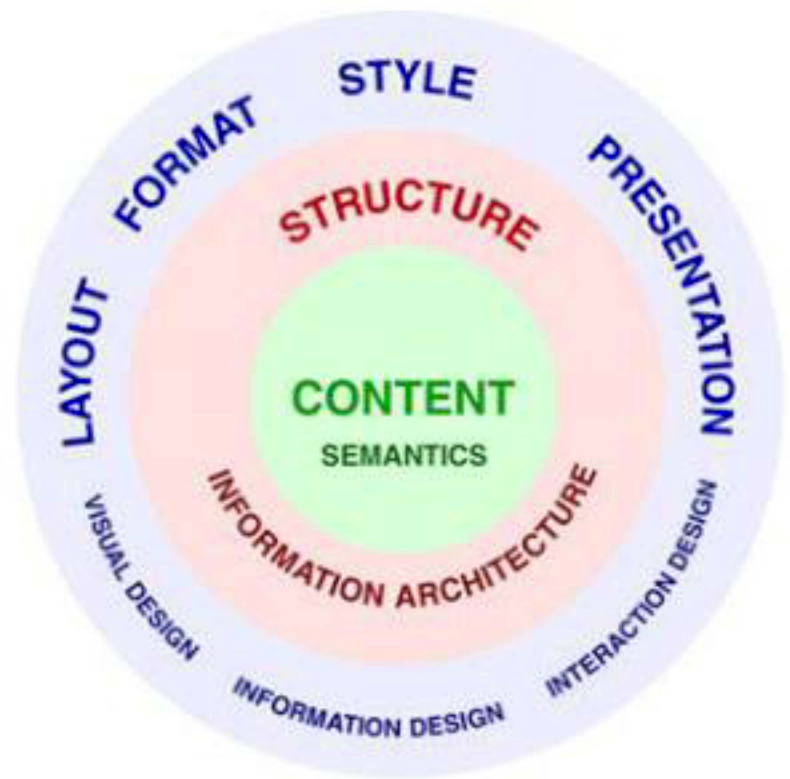
Three Different Professions

- The three layers are the work of different professionals
- Designers for Style
- Architects for Structure
- Authors for Content



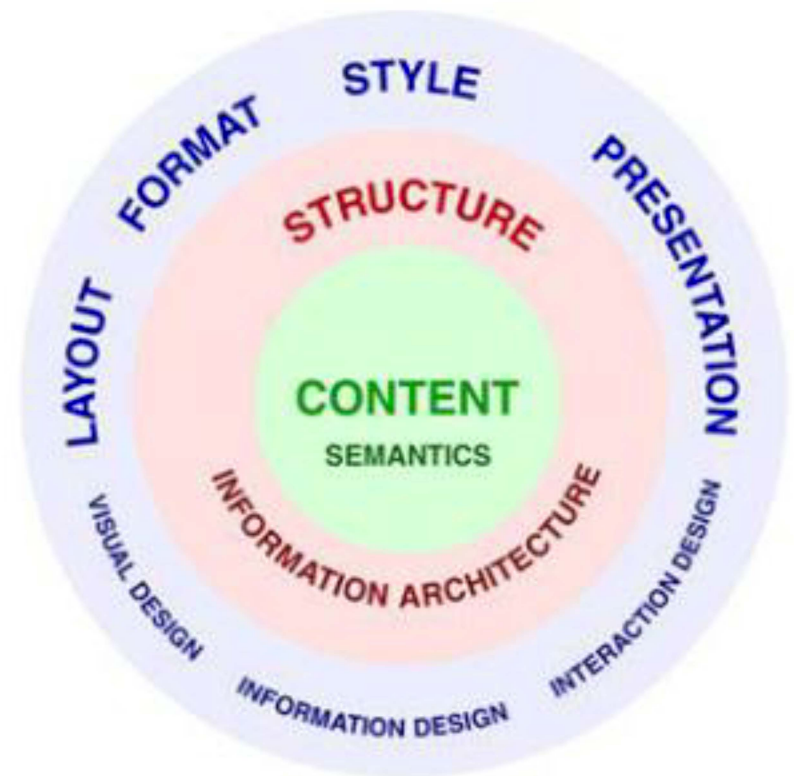
Three Kinds of Markup

- The three layers use different “markup”
- Style - , , <i>
- Structure - <div>,
- Semantics <name>, <price>



Three Kinds of XML

- The three layers use different technologies
- XSLT Stylesheets (CSS)
- XML Schemas (DTDs)
- XML Documents



XML Editors

- Altova XML Spy
- Cladonia Exchanger
- Stylus Studio
- SyncRO Soft <oXygen/>
- Adobe FrameMaker
- Arbortext Editor
- XMetal Author
- Syntext Serna



Eight top XML Editors were studied

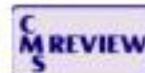
Chosen from 65 in CMS Review Editor Listings

Published in the June issue of EContent Magazine

Extended version - XML Editors Report

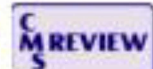
The XML Editors Report

- Personal use license
- Corporate license
- One year of release versions
- Online consulting included
- Screen share to look at interfaces



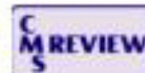
Thank you.

- Contact Bob Doyle
- editor@cmsreview.com
- bobdoyle@skybuilders.com
- Read my articles
- www.econtentmag.com/About/AboutAuthor.aspx?AuthorID=155



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CMS Trends

- Open Source (and Open Documents)
- Online (ASPs and Web Services)
- Offshore? (Globalization)

- Enabling technologies (XML, Javascript)
- AJAX, Web 2.0



Information Architecture and Content Management.

- *Two Kinds* of Information Architecture
- IA of document sets, books in a library, a website, the World Wide Web – organization, cataloging, metadata tagging, accessibility, findability.
- IA of a single document - page structure, allowed navigation elements and content elements.