

cis3.2
electronic commerce
27 apr 2006
lecture # 23
content management systems

topics:

- overview of content management systems
- portal: cms made simple
- e-commerce: zen cart
- blogging: wordpress

overview of content management systems

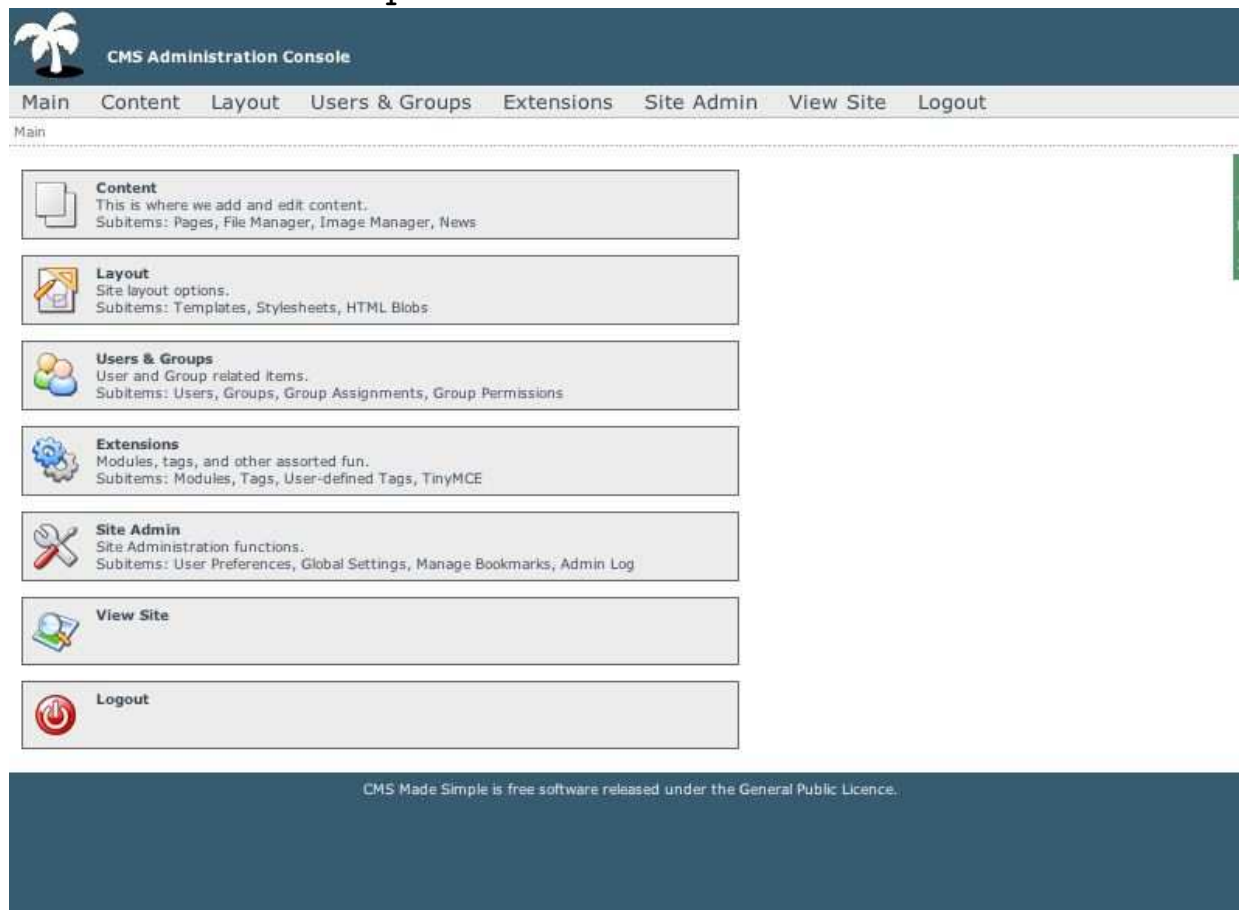
- designed to simplify maintenance of web sites
- makes sharing of web-site maintenance easier
- there are different types of CMS's
- we'll look at three examples (blogging, portal, e-commerce)
- they are powerful — but you don't have to use all the features!
- underlying structure is separated from how the site looks
- all of our examples are *open source*
- back-end is typically based on *mySQL* and *PHP* (but you don't have to know about these in order to use these CMS's)
- download or view these and many, many others at:
<http://www.opensourcecms.org>

typical components

- *admin* (administrative area)
- *users* and *groups*
- layout (design): *templates* or *skins* and *style sheets*
- basic content
- additional content: *modules* or *extensions* or *plug-ins*
- links
- other components are specialized for the type of CMS

cms made simple (1)

<http://146.245.249.246/cms/>



cms made simple (2)

- content
 - pages: add, edit and remove content
 - file manager: upload and manage files
 - image manager: upload and remove images
 - news: add, edit and remove news items
- layout
 - templates: define the site look and feel
 - stylesheets: manage cascading style sheets (CSS)
 - HTML blobs: manage chunks of content

cms made simple (3)

- users and groups
 - users: manage users
 - groups: manage groups
 - group assignments: assign users to groups
 - group permissions: set group level permissions
- site administration (admin)
 - user preferences
 - global settings
 - manage bookmarks
 - admin log

cms made simple (4)

- extensions
 - modules: site components
 - tags: little bits of functionality
 - user-defined tags: create your own tags
 - TinyMCE: editing mode (WYSIWYG or plain text)
WYSIWYG = What You See Is What You Get

cms made simple (5)

- modules

- RSS

- * module for displaying news feeds from other sites on your site
 - * feeds can be *cached* so they aren't downloaded with every page refresh
 - * inserted using a module tag:

```
{cms_module module="rss"
  url="http://download.freshmeat.net/backend/fm-releases.rdf"
  numbertoshow="5"}
```

- News

- * module for displaying news events on your site
 - * similar to a blog, but with more features
 - * inserted using a module tag:

```
{cms_module module="news" number="5" category="beer"}
```


– Comments

- * module for users to add comments to individual pages that can be read by other users
- * useful for documentation pages
- * inserted using a module tag: `{cms_module module="comments"}`

– PHPLayers

- * module for displaying a vertical menu on the site
- * inserted using a module tag: `{cms_module module="phplayers"}`

– TinyMCE


- * enables TinyMCE to be used as a WYSIWYG...

cms made simple (6)

- try it out!
- view site:
`http://146.245.249.246/cms/`
- log in as a guest administrator:
`http://146.245.249.246/cms/admin`
username = guest
password = cis3.2

zencart (1)

http://146.245.249.246/zencart/

[Check for Updates](#)

Thu, 17 Nov 2005 21:35:52 -0500GMT [66.108.253.235]Admin Home | Online Catalog | Support Site | Logoff


Configuration | Catalog | Modules | Customers | Locations / Taxes | Localization | Reports | Tools | Gift Certificate/Coupons | Extras

Statistics	
Hit Counter Started:	11/16/2005
Hit Counter:	24
Customers:	1
Products:	3
Products deactivated:	0
Reviews:	0
Reviews Pending Approval:	0
Newsletter subscribers:	0
Specials Expired	0
Specials Active	0
Featured Products Expired	0
Featured Products Active	0
Sales Expired	1
Sales Active	7

Orders	
Pending:	0
Processing:	0
Delivered:	0
Update:	0

New customers:	
John doe	01/21/2004

New orders:	
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zencart (2)

- configuration
 - layout settings
- catalog
 - categories / products
- modules
- customers
- locations and taxes
- localization
- reports
- tools
 - define pages editor
- gift certificates and coupons
- extras

zen cart (3)

- try it out!
- view site:
`http://146.245.249.246/zencart/`
- log in as a guest administrator:
`http://146.245.249.246/zencart/admin`
username = guest
password = cis3.2

wordpress (1)

http://146.245.249.246/wordpress/

cis3.2 (View site »)

DashboardWriteManageLinksPresentationPluginsUsersOptionsLogout (Administrator)

Dashboard

Below is the latest news from the official WordPress development blog, click on a title to read the full entry.

WordPress Development Blog

Don't Panic! WordPress Is Secure — 9 days ago

There is news of a worm which uses a vulnerability in the PHPXMLRPC libraries to spread a computer virus. Some articles are pointing to out-of-date information claiming that WordPress 1.5 is vulnerable. That is incorrect. WordPress 1.5 or higher is safe. Since the release of version 1.5, WordPress has used a completely different XML-RPC library. [...]

Bug Hunt — 14 days ago

You are invited to the WordPress Bug Hunt on Saturday, November 5th, 2005! Whether you're a die-hard WordPress hacker or just looking to gain some familiarity with WordPress internals, we need your help! Join us in #wordpress-bugs on irc.freenode.net as we triage and eliminate as many bugs as possible. Work with us to confirm bugs. [...]

The Blogging Enterprise Conference — 17 days ago

If any of you are in or near Austin, TX this Wednesday you should definitely check out the one-day Blogging Enterprise conference on November 2nd at the University of Texas. It looks like it's going to be a great program, and I'll be speaking on "Sorting Out RSS Software, Tools, and Technology" at 11:15 AM. [...]

Other WordPress News more »

Weblog Tools Collection: WP Theme: WheatGrass and Sapphire

Weblog Tools Collection: AdSense featured Wordpress theme

Scripty Goddess: clear default text onClick - restore if nothing entered

Matt: Asynchronous Voice IM

Dougal Campbell: Blog Software Smackdown

Matt: In Las Vegas

Ryan Boren: WP Commit Digest for Oct. 15 - Nov. 15

Weblog Tools Collection: Google Analytics Swings at Measure Map

Weblog Tools Collection: The Ten Evilest and Mostly Unethical Blogging Hacks

Weblog Tools Collection: WP Themes: Maple Leaf, Anthosia and Blue Horizon

Matt: Lucky Orbitz

Ryan: Persistent Object Cache

Matt: Command Line via Email

Matt: Wayfaring

Ping-O-Matic: Errors Fixed

Weblog Tools Collection: WP Theme: Regulus

Weblog Tools Collection: WP Plugin: Google analytics

Matt: Google Analytics

Weblog Tools Collection: Redirect Old Slugs Plugin

Weblog Tools Collection: HOW-TO: Using SVN to keep your WordPress Blog up-to-date

WordPress

1.5.2

Documentation — Support Forums

0.58 seconds

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wordpress (2)

- dashboard: latest news from wordpress
- write: write a post to the blog or create a page
- manage
 - posts
 - pages
 - categories
 - comments
 - awaiting moderation
 - files
- links
 - manage links
 - add link
 - link categories
 - import links

- presentation
 - themes
 - theme editor
- plugins
- users
 - your profile
 - authors and users
- options

zen cart (3)

- try it out!
- view site:
`http://146.245.249.246/wordpress/`
- log in as a guest administrator:
from above page, click on **Site Admin**
username = guest
password = cis3.2