

cis3.2
electronic commerce
18 nov 2005
lecture # 16
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)



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/`

The screenshot shows the ZenCart admin interface. At the top, there's a navigation bar with links like Configuration, Catalog, Modules, Customers, Locations / Taxes, Localization, Reports, Tools, Gift Certificates / Coupons, and Extras. Below this, there's a table with statistics for various categories. The ZenCart logo is visible in the top left and bottom center.

Statistics		New customers:		New orders:	
Hit Counter Started:	11/16/2005	New customer:	John doe	Order date:	01/21/2004
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				

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)



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