



Plone at TLC² and Taking it easy with zShells

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The UH Experience

- How we got started
- Lesson learned
- It is not just technical
- Some sample
- Things that we organized



Our Wish List

- Content management System
- That does not Cost a lot
- Extensibility
- **Support** both **General** and Expert users
- Performance, Reliability, Redundancy
- Security

Credit Reference: external sources



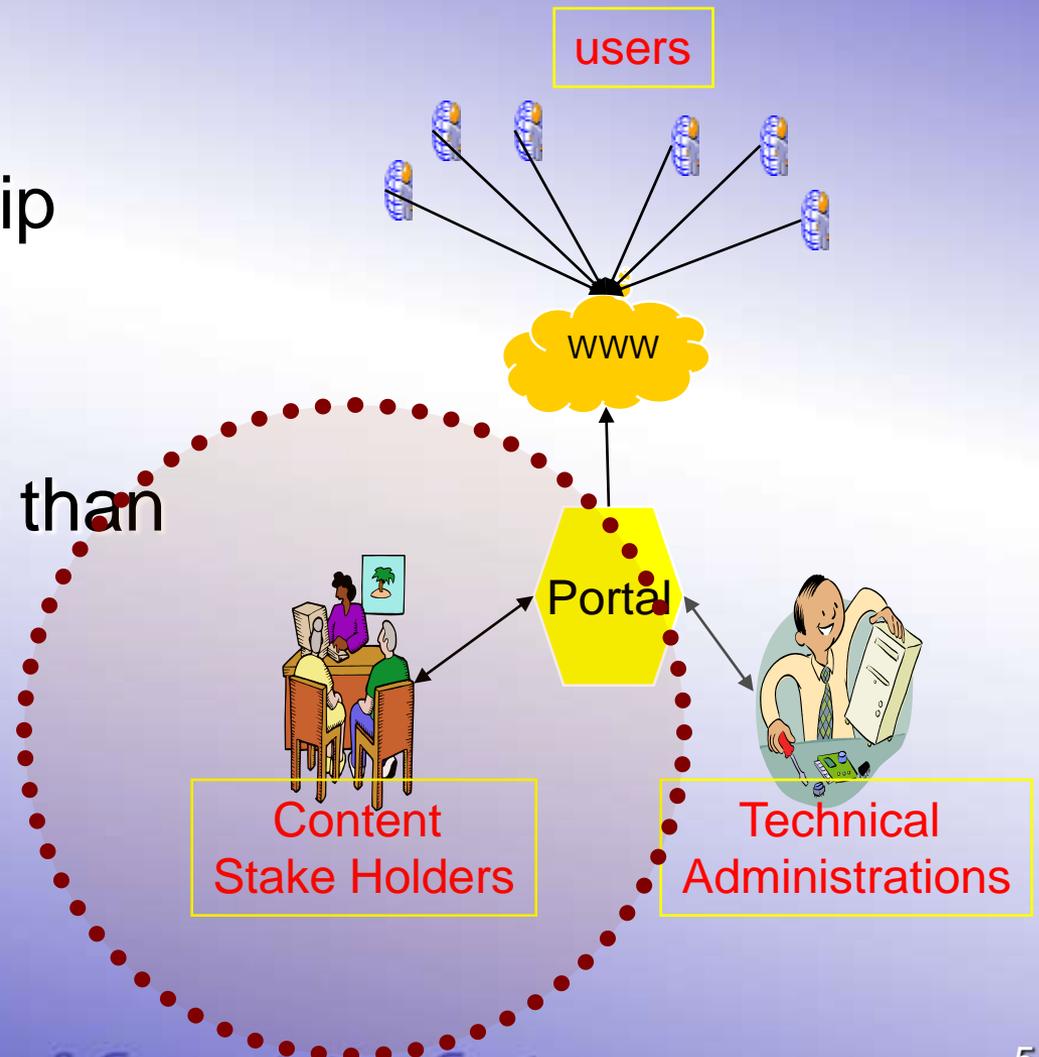
Few Basic Assumptions

- KISS
- Simple Security Model
- Reusable Templates
- User Interfaces
- General code support (html, pdf, images ...)
- Dummy Proof



The Choice is Plone

- Open Source CMS
- Secured Membership
- Easy of content management
- Full Features (more than 300 add-ons)





Researchers Needs

- **Basic Functionalities**
 - Web Pages with customizable templates
 - Folders, Documents, Images & Photo Album
 - News, Calendar & Events
 - Bread Crumb, Navigation & Shortcuts
 - Search, Workflow
 - External References Links
- **Recent Capabilities Requests**
 - Forum, Blog, Polls, Mailing List, Newsletter, e-commerce.



Web Items

- Basic
 - Web page
 - News
 - Event
 - Folder
 - Document
 - Image
 - Link
- Specialized
 - Photo Gallery
 - Bibliography
 - Publications
 - Collaboration
 - Chat, Forums, Wiki
 - Multimedia
 - GIS, Mapping
 - ... etc



It is not just technical

- Organization support (Boss(es))
- Understanding your user & environment
- Importance of Process
- Tech team
 - Immediate staff
 - Open source communities
 - Consultants
- Knowing your limits

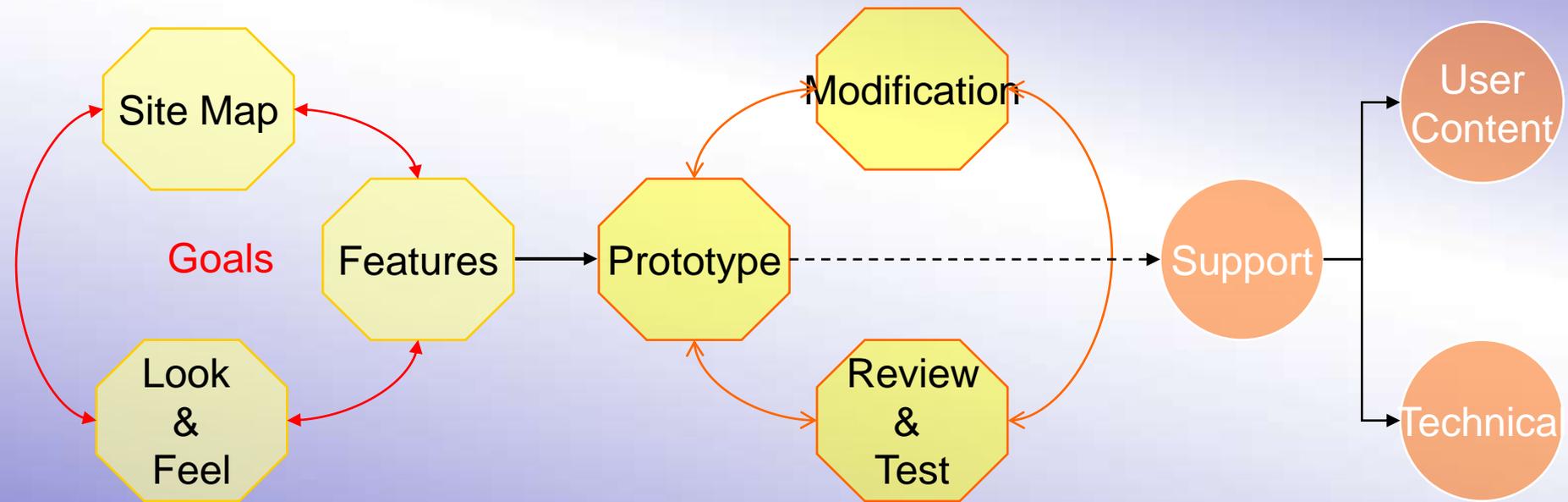


Business Process

- Need a blue print
- Development approach
- Get them started
 - Interview (What is the compelling story,
 - Design Layout
 - Site mapping
- Support
 - Training
 - Maintenance
 - Documentation



Rapid Deployment Model





Sample Web Sites

- Research Centers
 - <http://www.tlc2.uh.edu/>
 - <http://www.tlc2.uh.edu/Members/josten>
 - <http://www.research.uh.edu/>
- PI
- Conferences
- Student Associations
- Community Outreach
- Cultural (multimedia)

*Click here for:
[Example Web Sites](#)*



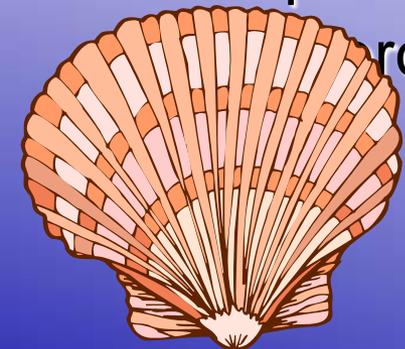
Looking Ahead

- Homeland Security & Public Safety
- Grant Application
- Video
- Web Site of the Future (3D)



What is ZShell?

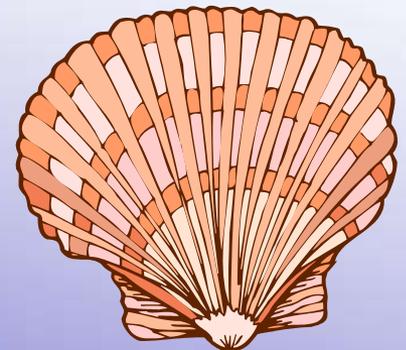
- Adopts the Plone way of templating to play well
 - Reusable and Customizable
 - Comes with a default template that can be customized
 - Bundles of template components to facilitate export/imported
 - Use it for your entire site or (single main template)
 - Or Create a consistent branding with complex multi-level nested templates
 - Templating framework for easy custom development
- prototyping tool





The ZShells Game

- Applying your own design
- Install ZShells and Use
 - 3 simple steps
- Changing Shells is simple
 - Import Design Template OR
 - Customize your own
- Replicating web site with Appeal





Customizing Web Site

- Download Template
- Import template
- Select
- Apply banner and
- Customize
- Add content



Default Design

[site map](#) [accessibility](#) [contact](#) [site setup](#) [help documentation](#)

josten [preferences](#) [undo](#) [log out](#)

[ABOUT ZOPEN](#)
[CONTACT](#)
[DOCUMENTATION](#)
[GALLERY](#)

Edit Mode Actions >>

ZopenPublisher Example Web Site

Welcome to the ZopenPublisher example web site. This example web site was created when you installed the ZopenPublisher for Plone product and demonstrates features of the ZopenPublisher web templating system.

The first thing you are likely to notice is that, although this is still a default Plone portal, the look and feel is very different. In fact the editing features of the site have all but disappeared--this is by design. Removing the presentation from the vast editing abilities of Plone is the first task ZopenPublisher does. The second main feature is to provide a standardized templating extension to the existing Plone templating standards.

Read more about [what ZopenPublisher can do for you](#).

Note that none of the features of Plone have been removed or compromised. Everything that Plone can do remains intact behind the scenes as you would expect.

Feature Story

[ZopenPublisher at Ploneability Higher Ed](#)
 ZopenPublisher presents at the Ploneability Higher Ed, a one-day conference where college and university Web content managers, developers and site administrators will connect and share Plone success stories.

[Read more...](#)

Random Example

Monarch Butterflies in Mexico

The beautiful Monarch butterfly (*Danaus plexippus*) is a well-known North American butterfly. Since the 19th century, it is also found in New Zealand, and in Australia where it is also known as the Wanderer Butterfly.

ZopenPublisher © 2007 by G2Solutions. Powered by Plone.

Changing to New Design

http://www.tlc2.uh.edu:9080/zopen

Exit and View

You are editing a Plone Site

WEB ID: zopen
TITLE: ZopenPublisher Test Site

Contents Edit Sharing Shell Layout Navigation

display add item

Shell Directory Changes Saved

Edit Layout

Select the Shell template and its supportive sub-templates. Select a 'Site Shell Template' first and click save. Once this is selected, you may select the other templates that comprise the entire shell. Only templates that are part of the Shell Template set will be available to select.

Simply electing the web design you like

Select Acquire if you want this object to look up through its directory structure to find the proper templates. At the very least, all templates must be defined at the root of the site. This model allows you to select different templates based on content, or areas of content.

Select a shell root directory to use.

These are 'bundles' of templates that complete a set (or shell) of templates that provide the layout and visual presentation of your web site.

- example_site2
- example_site
- example_site2

Select a Site Shell Template:

Main Shell Template [Edit Master Shell Attributes](#)

Required Templates for Selected Shell Template

Template Name/id	Select Acquire to use the next template defined 'Up' the site folders. The Site Default will be used if no other templates are found.	The object in the site where where a template is defined (unless defined here).
siteUserBar:	Site User Bar	Edit Template Attributes
siteNavigation:	Main CSS Navigation	Edit Template Attributes



Rapid Web Sites

josten preferences undo log out

open Publisher™ search

HOME ABOUT ZOPEN CONTACT DOCUMENTATION GALLERY

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Customizing Content Pages

- Select Pre-Packaged Templates
- Add Contents
- Built Your Own
 - Centralized Location
 - Plone Compliant





Member - Editing Layout

Breadcrumbs

Member Section

ZOPEN PUBLISHER

user1 My Folder Preferences Undo Site Setup Log out

Website Folders

http://denali.tlc2.uh.edu:9080/APP_New / app-home / app-inprints / recovery-project

- APP_New
 - global pages *
 - wikitest *
 - News
 - Events
 - Global general images
 - APP Home *
 - Help *

Folder View

View page

WEB ID: recovery-project
TITLE: Recovery Project

contents edit properties sharing shell layout advanced

actions display add item state: public

Welcome! You are now logged in.

Recovery Project

<input type="checkbox"/>	title	id (web)	size	modified	state	order
<input type="checkbox"/>	Recovery Services	recovery-services	1 kB	2007-07-23 20:09	Public Draft	▲ ▼
<input type="checkbox"/>	About Recovering US Hispanic Literature	about-us	1 kB	2007-07-03 15:20	Public Draft	▲ ▼
<input type="checkbox"/>	Advisory Board	advisory-board	1 kB	2007-07-03 15:21	Public Draft	▲ ▼
<input type="checkbox"/>	Publications	publications	1 kB	2007-07-03 15:18	Public Draft	▲ ▼
<input type="checkbox"/>	Research Projects	research-projects	1 kB	2007-07-03 15:19	Public Draft	▲ ▼

copy cut rename delete change state

- chat
- event
- file
- folder
- gmap
- image
- link
- manuscript
- message board
- news item
- page
- photo
- photo album
- smart folder
- web page
- wiki page
- restrict...

Add Web Items

Item Tabs

* Not Published
[Refresh This Frame](#)



Apply Content Template

- Choose templates
- Types
 - Front page
 - With images
 - Slots
 - Combinations
- Working with widgets of the template



News Folder View

Breadcrumbs

Member Section

ZOPEN PUBLISHER

user1 My Folder Preferences Undo Site Setup Log out

Website Folders http://denali.dtc2.uh.edu:9080/APP_New/news Exit and View

APP_New

- global pages *
- wikitest *
- News
- Events
- Global general images
- APP Home *
- Help *

You are editing a Folder

WEB ID: news
TITLE: News

contents edit properties sharing shell layout advanced

Content has been changed.

News

	title	id (web)	size	modified	state	order
<input type="checkbox"/>	News Story New	test1	1 kB	2007-07-02 11:06	Published	▲ ▼
<input type="checkbox"/>	News Item sample 2	news-item-sample-2.html	0 kB	2007-07-05 14:56	Published	▲ ▼
<input type="checkbox"/>	News Story New	copy_of_test1	1 kB	2007-08-17 09:56	Published	▲ ▼

copy cut rename delete change state

* Not Published
Refresh This Frame

View page

Folder View

Item Tabs

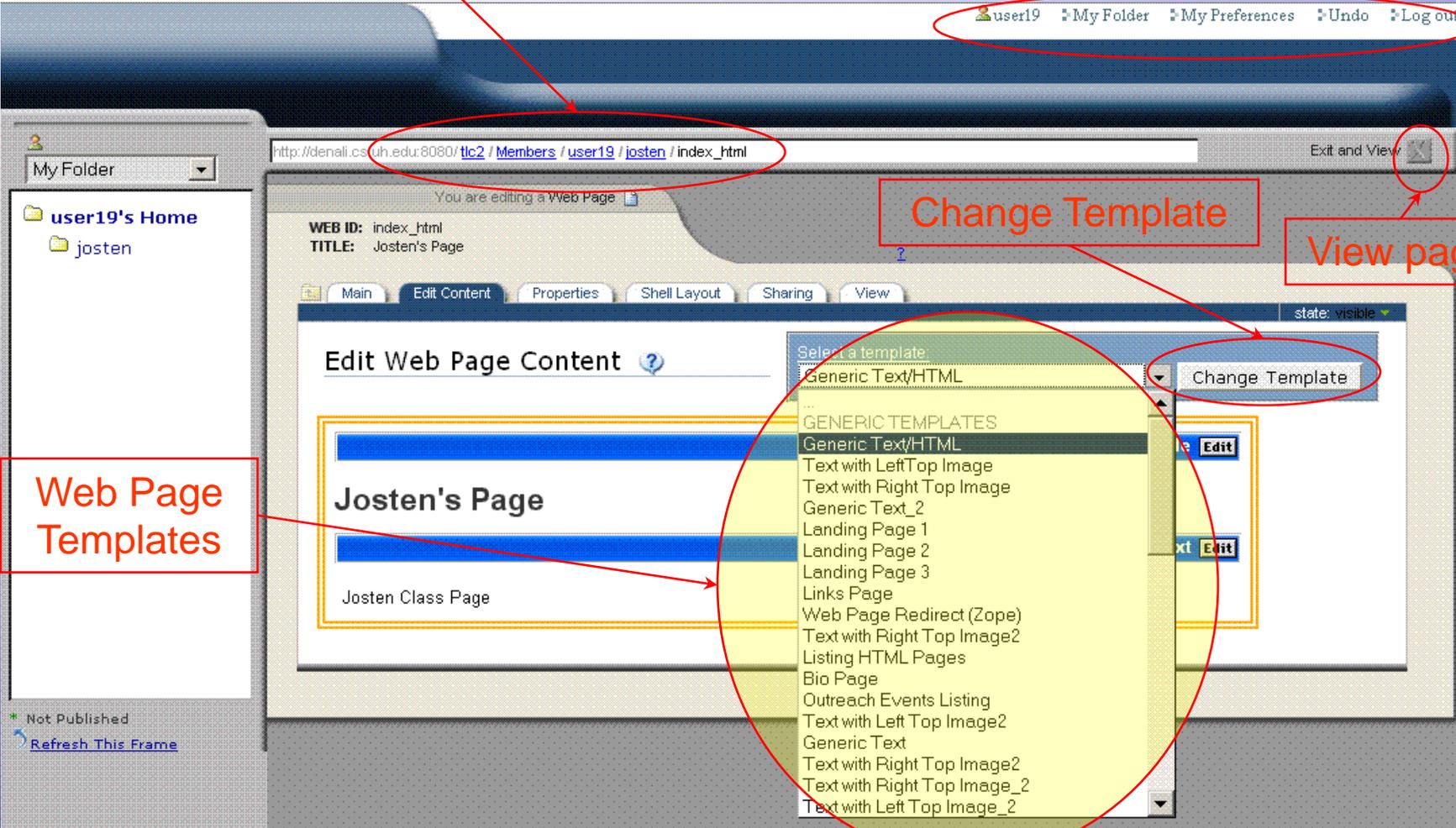
Items in News Folder

Add Items

Web Page Templates View

Breadcrumbs

Member Section



user19 My Folder My Preferences Undo Log out

http://denali.cs.uh.edu:8080/tlc2/Members/user19/josten/index_html

Change Template

View page

Web Page Templates

* Not Published
[Refresh This Frame](#)



Adding News Item

Item Tabs

The screenshot shows a web browser window with the URL `http://denali.cs.uh.edu:8080/tlc2/tlc2/News/news_item.2006-08-10.1083502207`. The page title is "Edit News Item". The interface includes a "Website Folders" sidebar on the left with a tree view containing folders like "About TLC", "Publications", "Conferences", "Contact Us", "Downloads", "Events", "Facilities", "Galleries", "Links", "News", "Newsletters", "Outreach", "People", "Press Releases", "Press Room", and "Publications". The main content area has a "News Item Details" form with the following fields: "Short Name", "Headline", "Lead-in", and "Body text". Above the form are tabs for "Main", "View", "Properties", and "Sharing". A red box labeled "Item Tabs" points to these tabs. Red boxes and arrows point to the "Short Name" field (labeled "Name"), the "Headline" field (labeled "Headline"), the "Lead-in" field (labeled "Lead-in"), and the "Body text" field (labeled "Body Text"). The "Body text" field is currently empty. The status bar at the bottom left indicates "* Not Published" and has a "Refresh This Frame" link.



References



Web Page

- At the root folder, click the `index_html` item
- This is the default page anonymous viewers will see when visiting your webpage
- Name (ID):
- Title: Details about the page
- Description: Hidden details about the page



News Item

- Return to the root folder
- Click the News folder you created
- Select the News Item
- Click the Add New Item and select News Item from the drop down menu



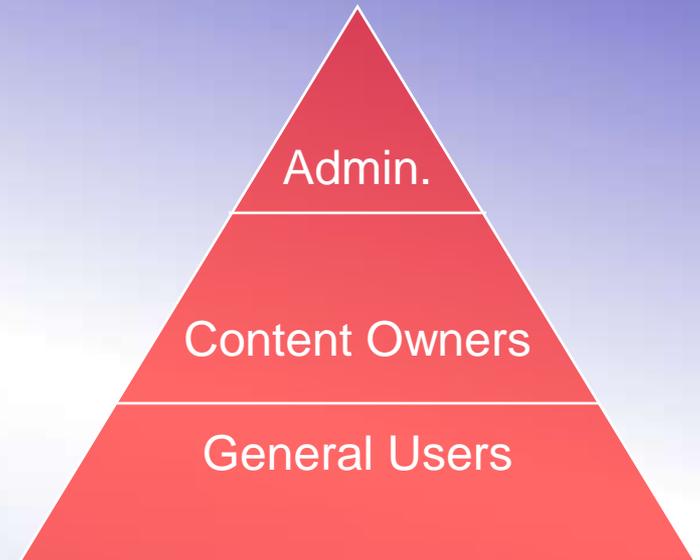
Event

- Return to the root folder
- Click the Events folder you created
- Select the News Item
- Click the Add New Item and select Event from the drop down menu



Usage Model

- General Users
- Portal Users
 - Members
 - Content Owner
- Administration
 - Members with the a administration roles
 - Site administrators & developers





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[Sample Web Sites](#)



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What's inside ZShell?

- Separates edit features into a clear and distinct editing mode.
- Provides a templating framework for the creation of presentation elements of a website.
- Allow developers to swap and install entirely new Plone skins for their portals with a simple click.
- Highly extensible
- Transform the presentation of plone portals entirely and are content driven, so a single portal can now take on many different visual forms.
- Installs a new content type called Web Page. Web Pages are essentially Document types, but can be assigned content layout templates to enforce consist looking pages, or provide a set of features a given page should contain.

