

Alumni Spotlight Web System

http://oraserv.cs.siena.edu/~perm_initrode/

Detailed Design

by

Initrode Solutions

03/06/2007

Dr. Eric Breimer

Webmaster

Assistant Professor

Siena College

Department of Computer Science

Team Organization

- Anthony Angelucci.....Systems Administrator
- Charles Feltes.....Webmaster
- Elise Hearn.....Team Leader
- Christopher McConnell.....Head Software Developer

- Introduction & Conclusion
 - Elise Hearn
- Data Structures
 - Christopher McConnell
- Test Plan
 - Charles Feltes
- Prototype Screens
 - Anthony Angelucci

- Recap from previous presentations and Documents
- What is the purpose of a Detailed Design Document?

- Introduction
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 - **Christopher McConnell**
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- Using a MySQL database
 - Version 5.0
- Approx. 60 tables will be used
- Tables have a unique use
- Multiple relationships among the tables

- Example Table fields/types
 - Watchdog Table

Watchdog

Field	Type	Null	Default	Links to
<u>wid</u>	int(5)	Yes	NULL	
<u>uid</u>	int(10)	Yes	0	users -> <u>uid</u>
type	<u>varchar(16)</u>	Yes		
message	<u>longtext</u>	Yes		
severity	<u>tinyint(3)</u>	Yes	0	
link	<u>varchar(255)</u>	Yes		
location	<u>varchar(128)</u>	Yes		
<u>referer</u>	<u>varchar(128)</u>	Yes		
hostname	<u>varchar(128)</u>	Yes		
time stamp	<u>int(11)</u>	Yes	0	

Database Table Entries

- Example Data from the Watchdog Table

wid	uid	type	message	severity	link	location	referer
361	1	search	saa5557 (Content).	9	0	resu...	http://alumni.cs.siena.edu/?q=search/...
360	1	user	Session opened for drupaladmin.	9	0		http://alumni.cs.siena.edu/?q=node/8&...
359	2	user	Session closed for saa5557.	9	0		http://alumni.cs.siena.edu/?q=node/8
358	1	search	saa5557 (Content).	9	0	resu...	http://alumni.cs.siena.edu/?q=search/...
357	2	user	Session opened for saa5557.	9	0		http://alumni.cs.siena.edu/?q=node/8&...
356	2	search	dk (Users).	9	0	results	http://alumni.cs.siena.edu/?q=search/user...
355	2	user	Session opened for saa5557.	9	0		http://alumni.cs.siena.edu/?q=node/8&...
353	1	content	Comment: deleted WORK I SAID.	9	0		http://alumni.cs.siena.edu/?q=comment/...
354	1	content	Comment: deleted WORK.	9	0		http://alumni.cs.siena.edu/?q=comment/...
352	1	content	Comment: added WORK I SAID.	9	0	view	http://alumni.cs.siena.edu/?q=comment/rep...
351	1	content	Comment: added WORK.	9	0	view	http://alumni.cs.siena.edu/?q=comment/rep...
350	1	user	Session opened for drupaladmin.	9	0		http://alumni.cs.siena.edu/?q=node/8&...
349	2	user	Session closed for saa5557.	9	0		http://alumni.cs.siena.edu/?q=user/2/edit
347	1	user	Session closed for drupaladmin.	9	0		http://alumni.cs.siena.edu/?q=usernode
348	2	user	Session opened for saa5557.	9	0		http://alumni.cs.siena.edu/?q=node/8&...
345	1	content	Comment: deleted hello.	9	0		http://alumni.cs.siena.edu/?q=admin/c...
346	1	search	saa (Users).	9	0	results	http://alumni.cs.siena.edu/?q=admin/user/...
344	1	content	Comment: deleted Hey.	9	0		http://alumni.cs.siena.edu/?q=admin/c...
343	1	user	Session opened for drupaladmin.	9	0		http://alumni.cs.siena.edu/?q=node/8&dest
342	6	user	Session closed for ca25felt.	9	0		http://alumni.cs.siena.edu/?q=usernode

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Testing Objectives

- Execution with intent of finding errors
- Successful tests uncover errors

Types of Testing

- White Box Testing
- Black Box Testing
- Gray Box Testing

Integration Testing

- Individual software modules are combined
- Verifies functional, performance, and reliability requirements

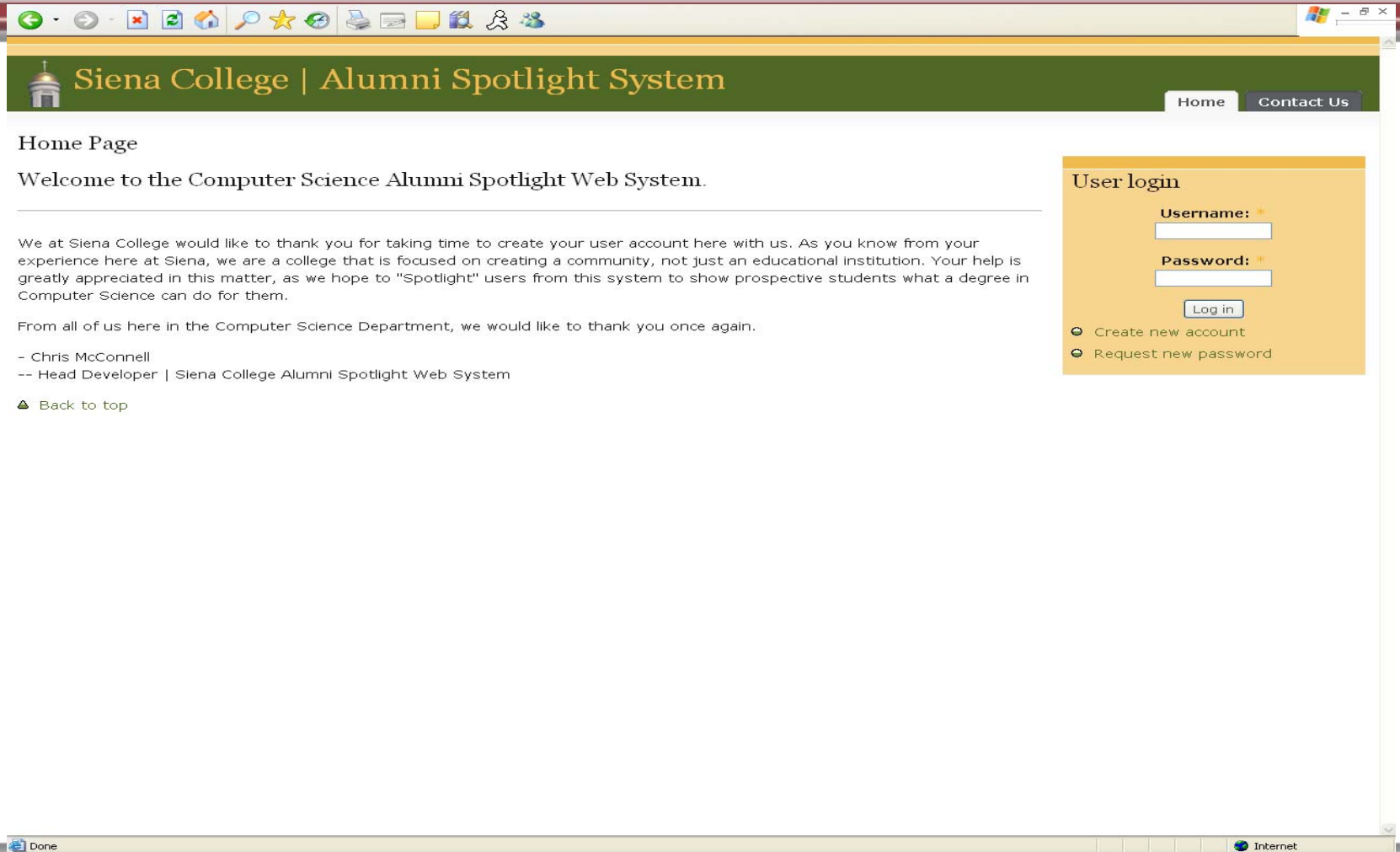
Integration Test Example

Unit	Affected By	Description	Effect	Pass/Fail
Results of Search (12)	Edit Profile (10.9.2 & 10.9.3)	The results page is loaded and displays the proper matches to the fields that <u>were entered on the Search Profiles page.</u>	Information that <u>gets changed with Edit Profile</u> would then be present in Results of Search Page.	

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- <http://alumni.cs.siena.edu/>





Request Password

The screenshot shows a web browser window with the following elements:

- Browser Address Bar:** Contains navigation icons (back, forward, stop, refresh, home, search, star, print, mail, calendar, people) and a Windows taskbar icon.
- Page Header:** A green banner with the Siena College logo and the text "Siena College | Alumni Spotlight System". Navigation links for "Home" and "Contact Us" are on the right.
- Content Area:**
 - A "Home" link.
 - A "User account" section with links for "Create new account", "Log in", and a highlighted "Request new password" button.
 - A form labeled "Username or e-mail address: *" with an empty input field.
 - An "E-mail new password" button.
 - A "Back to top" link with an upward-pointing triangle icon.
- Browser Status Bar:** Shows "Done" on the left and "Internet" on the right.

Home Contact Us

Home

User account **Create new account** Log in Request new password

Please note: All users who are registering with this system are willing to allow Siena College the rights to display certain specified fields....

Career

Company:

Enter the company you are currently employed with.

Job Title:

Enter your current job title.

Location:

Enter the location of your company/job. (State, City as an example)

Salary:

Enter your current Salary. Note, this field is used for Siena College purposes only, and will not be viewable by other site members.

Career Experience:

Enter your experience with your job(s). Perhaps good jobs, bad jobs, how you found yours, etc.

Account information

Username: *

Your preferred username; punctuation is not allowed except for periods, hyphens, and underscores.

Done Internet

The screenshot shows a web browser window with the following elements:

- Browser Title Bar:** Displays standard navigation icons (back, forward, stop, refresh, home, search, star, print, mail, calendar, address book, help) and window control buttons (minimize, maximize, close).
- Page Header:** Features the Siena College logo on the left, the text "Siena College | Alumni Spotlight System" in the center, and a search bar on the right with a "Search" button.
- Navigation Menu:** A horizontal bar with buttons for "Home", "My Profile", "User list", and "Contact Us".
- Main Content Area:**
 - Left Sidebar:** A yellow box containing the user ID "saa5557" and three links: "Create content", "My account", and "Log out".
 - Section Header:** "Home Page".
 - Text:** "Welcome to the Computer Science Alumni Spotlight Web System."
 - Paragraph:** "We at Siena College would like to thank you for taking time to create your user account here with us. As you know from your experience here at Siena, we are a college that is focused on creating a community, not just an educational institution. Your help is greatly appreciated in this matter, as we hope to 'Spotlight' users from this system to show prospective students what a degree in Computer Science can do for them."
 - Paragraph:** "From all of us here in the Computer Science Department, we would like to thank you once again."
 - Text:** "- Chris McConnell
-- Head Developer | Siena College Alumni Spotlight Web System"
 - Link:** "▲ Back to top"

The browser's status bar at the bottom shows "Done" on the left and "Internet" on the right.

The screenshot shows a web browser window displaying the 'Siena College | Alumni Spotlight System' user profile page. The browser's address bar is empty, and the page title is 'Siena College | Alumni Spotlight System'. The page features a green navigation bar with a search box and buttons for 'Home', 'My Profile', 'User list', and 'Contact Us'. The main content area shows the user's profile for 'saa5557', with a 'View' button and an 'Edit' link. The profile details include:

- Career**
- Company**: Microsoft
- Job Title**: CEO
- Location**: Albany
- Salary**: 1,000,000
- Career Experience**: Microsoft totally rocks
- College**
- Graduation Year**: 2007
- Major**: Computer Science
- Minor**: Math
- Favorite Class**: Web Design
- Favorite Teacher**: Dr. Breimer
- Least Favorite Class**: Algorithms

The browser's taskbar at the bottom shows the 'Internet' icon and the system clock displays '03/06/2007'.

The screenshot shows a web browser window displaying the 'Edit Profile' page for user 'saa5557' in the 'Siena College | Alumni Spotlight System'. The browser's address bar shows the URL 'http://www.siena.edu/alumni-spotlight-system/'. The page has a green header with the system name and navigation links: Home, My Profile, User list, and Contact Us. A search bar is also present. The main content area is titled 'Home > User account' and shows the user's name 'saa5557' with 'View' and 'Edit' buttons. Below this are tabs for 'Account settings', 'Career', 'College', and 'Personal Information'. The 'Account settings' tab is active, showing fields for 'Username' (saa5557), 'E-mail address' (saa5557@siena.edu), 'Password', and 'Confirm password'. There is also a 'Picture' section with an 'Upload picture' field and a 'Browse...' button. At the bottom, there is a 'Comment settings' section with a 'Signature' field. The browser's status bar at the bottom shows 'Done' and 'Internet'.

Home > User account

saa5557 View Edit

Account settings Career College Personal Information

Account information

Username: *
saa5557
Your preferred username; punctuation is not allowed except for periods, hyphens, and underscores.

E-mail address: *
saa5557@siena.edu
A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.

Password:

Confirm password:

To change the current user password, enter the new password in both fields.

Picture

Upload picture:
 Browse...
Your virtual face or picture. Maximum dimensions are 800x600 and the maximum size is 400 kB.

Comment settings

Signature:

The screenshot shows a web browser window displaying the 'Siena College | Alumni Spotlight System'. The browser's address bar is empty, and the page title is 'Siena College | Alumni Spotlight System'. The page has a green header with a search bar and navigation links: Home, My Profile, User list, and Contact Us. The main content area is titled 'user list' and contains a list of user profiles. Each profile includes a username, a bio, and a list of interests. A small profile picture is visible for the user 'ca25felt'.

Home

saa5557

- Create content
- My account
- Log out

user list

saa5557
Microsoft
CEO
Albany

Microsoft totally rocks

2007
Computer Science
Math
Web Design
Dr. Breimer
Algorithms
None


It was totally narly

Anthony Angelucci
saa5557@siena.edu
13 Barbara Lane
555-555-5555

I love software engineering

drupaladmin
Chris McConnell
ct14mcco@siena.edu

ca25felt
2007
Computer Science
Charles Feltes
ca25felt@siena.edu



Home My Profile User list Contact Us

Home

saa5557

- ▶ Create content
- My account
- Log out

Contact [View](#) [Edit](#)

Contact the Administrator

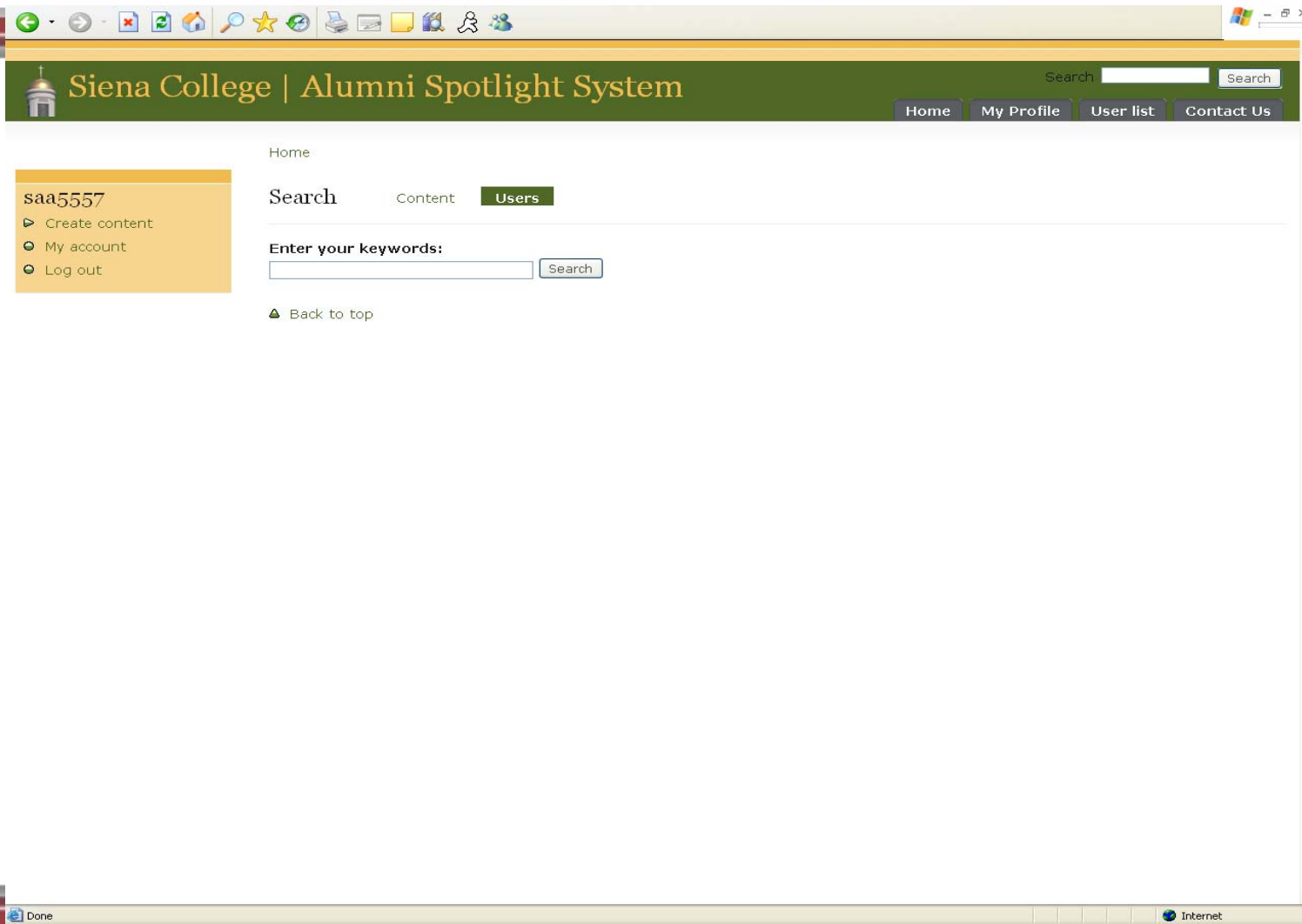
Click the link below to contact the system administrator if you have any questions, comments or concerns about the Siena College Alumni Spotlight System. Simply click the link below and you're default email browser will open so you can send an email message.

[Click here to email the administrator](#)

Thank you for your support.

- Chris McConnell
-- Head Developer | Siena College Alumni Spotlight Web System

[▲ Back to top](#)



Home Page [View](#) [Edit](#)

Welcome to the Computer Science Alumni Spotlight Web System.

We at Siena College would like to thank you for taking time to create your user account here with us. As you know from your experience here at Siena, we are a college that is focused on creating a community, not just an educational institution. Your help is greatly appreciated in this matter, as we hope to "Spotlight" users from this system to show prospective students what a degree in Computer Science can do for them.

From all of us here in the Computer Science Department, we would like to thank you once again.

- Chris McConnell
-- Head Developer | Siena College Alumni Spotlight Web System

[▲ Back to top](#)

The screenshot shows the Drupal Admin Main Menu interface. On the left is a navigation sidebar with a tree structure under 'drupaladmin'. The main content area is titled 'Administer' and has two tabs: 'By task' (selected) and 'By module'. Below the tabs is a welcome message and a red error banner. The main content is organized into three columns of task blocks, each with a gear icon and a title. The first column contains 'Content management', 'User management', and 'Post settings'. The second column contains 'Content types', 'Node family', and 'RSS publishing'. The third column contains 'Site building', 'Site configuration', and 'Image toolkit'. The interface is displayed in a browser window with a standard Windows XP taskbar at the bottom.

drupaladmin

- ▶ Create content
- ▶ Search users
- ▶ My account
- ▼ Administrator
 - ▶ Content management
 - ▶ Site building
 - ▶ Site configuration
 - ▶ User management
 - ▶ Logs
 - ▶ Help
- ▶ Log out

Administer **By task** By module

Welcome to the administration section. Here you may control how your site functions.

One or more problems were detected with your Drupal installation. Check the status report for more information.

Hide descriptions

Content management
Manage your site's content.

- Categories**
Create vocabularies and terms to categorize your content.
- Comments**
List and edit site comments and the comment moderation queue.
- Content**
View, edit, and delete your site's content.
- Content types**
Manage posts by content type, including default status, front page promotion, etc.
- Node family**
Manage relations between content types.
- Post settings**
Control posting behavior, such as teaser length, requiring previews before posting, and the number of posts on the front page.
- RSS publishing**
Configure the number of items per feed and whether feeds should be titles/teasers/full-text.

User management
Manage your site's users, groups and access to site features.

- Access control**
Determine access to features by selecting permissions for roles.
- Access rules**
List and create rules to disallow usernames, e-mail addresses, and IP addresses.

Site building
Control how your site looks and feels.

- Blocks**
Configure what block content appears in your site's sidebars and other regions.
- Menus**
Control your site's navigation menu, primary links and secondary links, as well as rename and reorganize menu items.
- Modules**
Enable or disable add-on modules for your site.
- Themes**
Change which theme your site uses or allows users to set.

Site configuration
Adjust basic site configuration options.

- Administration theme**
Settings for how your administrative pages should look.
- Clean URLs**
Enable or disable clean URLs for your site.
- Date and time**
Settings for how Drupal displays date and time, as well as the system's default timezone.
- Error reporting**
Control how Drupal deals with errors including 403/404 errors as well as PHP error reporting.
- File system**
Tell Drupal where to store uploaded files and how they are accessed.
- Image toolkit**

Home > Administer > User management

Access control

Permissions let you control what users can do on your site. Each user role (defined on the user roles page) has its own set of permissions. For example, you could give users classified as "Administrators" permission to "administer nodes" but deny this power to ordinary, "authenticated" users. You can use permissions to reveal new features to privileged users (those with subscriptions, for example). Permissions also allow trusted users to share the administrative burden of running a busy site.

Permission	admin user	anonymous user	authenticated user
block module			
administer blocks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
use PHP for block visibility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
comment module			
access comments	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
administer comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
post comments	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
post comments without approval	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
filter module			
administer filters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
menu module			
administer menu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
node module			
access content	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
administer content types	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
administer nodes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
create bio content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
create page content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
create story content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
edit bio content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
edit own bio content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
edit own page content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Home > Administer > Content management

Content

Show only items where

status is
 type

Update options

<input type="checkbox"/>	Title	Type	Author	Status	Operations
<input type="checkbox"/>	Contact	Page	drupaladmin	published	edit
<input type="checkbox"/>	sdl3242 <i>new</i>	Usernode	sdl3242	published	edit
<input type="checkbox"/>	seh5924 <i>new</i>	Usernode	seh5924	published	edit
<input type="checkbox"/>	ca25felt <i>new</i>	Usernode	ca25felt	published	edit
<input type="checkbox"/>	Home Page	Page	drupaladmin	published	edit
<input type="checkbox"/>	drupaladmin <i>new</i>	Usernode	drupaladmin	published	edit
<input type="checkbox"/>	saa5557	Usernode	saa5557	published	edit
<input type="checkbox"/>	My Life	Biography	saa5557	published	edit

[▲ Back to top](#)

The screenshot shows a web browser window displaying the 'Siena College | Alumni Spotlight System'. The page title is 'Recent log entries' under the 'Administer > Logs' path. A sidebar on the left contains a navigation menu for 'drupaladmin' with options like 'Create content', 'Search users', 'My account', 'Administer', 'Logs', 'Help', and 'Log out'. The main content area features a table of log entries with columns for Type, Date, Message, User, and Operations. A filter dropdown is set to 'all messages'.

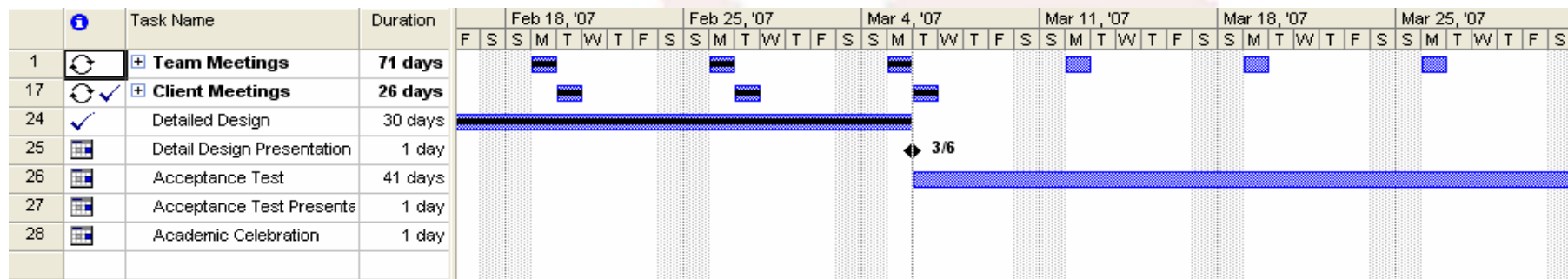
Home > Administer > Logs

Recent log entries

Filter by message type:

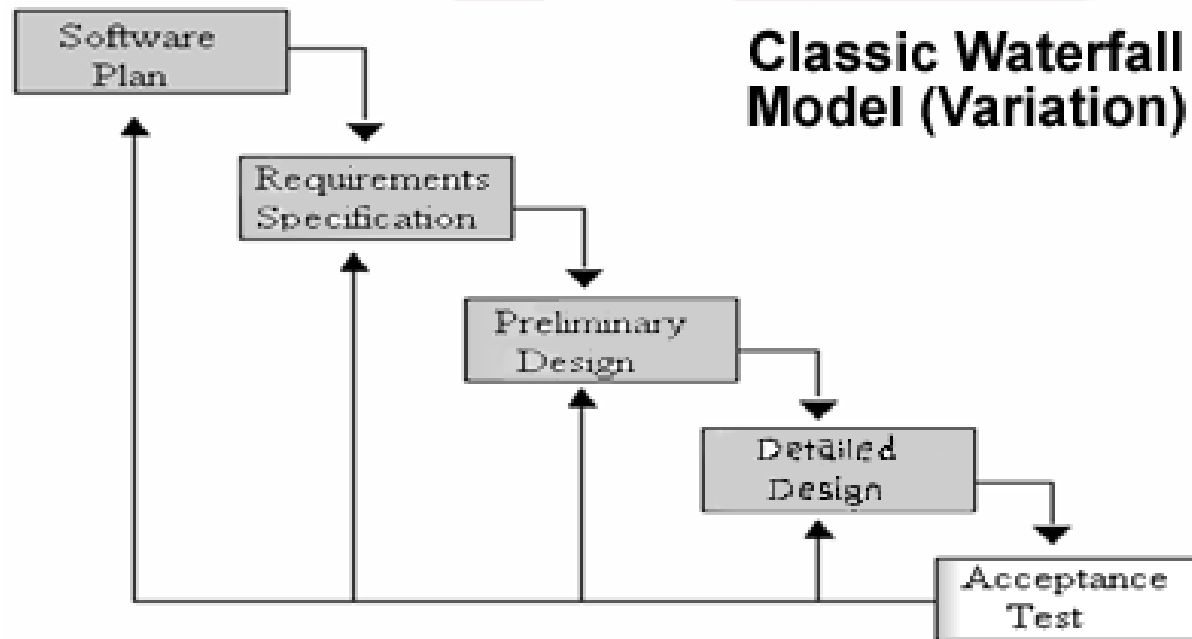
Type	Date	Message	User	Operations
user	02/23/2007 - 10:08	Session opened for <i>drupaladmin</i> .	drupaladmin	
user	02/23/2007 - 10:08	Session closed for <i>saa5557</i> .	saa5557	
search	02/23/2007 - 10:06	<i>Jimmy</i> (Content).	saa5557	results
search	02/23/2007 - 10:05	<i>My Life</i> (Content).	saa5557	results
search	02/23/2007 - 10:05	<i>saa</i> (Content).	saa5557	results
search	02/23/2007 - 10:05	<i>saa</i> (Users).	saa5557	results
user	02/23/2007 - 10:02	Session opened for <i>saa5557</i> .	saa5557	
user	02/22/2007 - 15:55	Session closed for <i>drupaladmin</i> .	drupaladmin	
search	02/22/2007 - 14:59	<i>drupa</i> (Users).	drupaladmin	results
search	02/22/2007 - 14:58	<i>drupa</i> (Users).	drupaladmin	results
search	02/22/2007 - 14:58	<i>drupa</i> ; (Users).	drupaladmin	results
search	02/22/2007 - 14:58	<i>chris</i> (Users).	drupaladmin	results
user	02/22/2007 - 14:31	Deleted user: <i>testingme ...</i>	drupaladmin	
cron	02/22/2007 - 14:24	Cron run completed.	drupaladmin	
content	02/22/2007 - 12:58	page: updated <i>Contact</i> .	drupaladmin	view
content	02/22/2007 - 12:58	page: updated <i>Contact</i> .	drupaladmin	view
content	02/22/2007 - 12:56	page: updated <i>Contact</i> .	drupaladmin	view
content	02/22/2007 - 12:56	page: added <i>Contact</i> .	drupaladmin	view
menu	02/22/2007 - 12:56	Added menu item <i>Contact Us</i> .	drupaladmin	view
user	02/22/2007 - 12:45	Session opened for <i>drupaladmin</i> .	drupaladmin	
user	02/22/2007 - 12:44	Session closed for <i>saa5557</i> .	saa5557	
search	02/22/2007 - 12:44	<i>my life</i> (Content).	saa5557	results
search	02/22/2007 - 12:43	<i>saa</i> (Content).	saa5557	results

- This is our Spring Development Schedule



Project: Spring Gantt Chart Date: Tue 3/6/07	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

- This is our Updated Waterfall Model



- Where are we headed next?
 - Continued Development Testing
 - May 1st, 2007 – Acceptance Testing
 - May 4th, 2007 – Academic Celebration
 - May 8th, 2007 – Software Engineering II Party
- Questions?

- Thank you all very much for coming, and a special thank you to our client Dr. Eric Breimer.