

Acceptance Test

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Alumni Spotlight Web System (ASWS)

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Alumni Spotlight Web System Acceptance Test

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I. Introduction

Product Overview and Summary

As the internet continues to grow and reach out to more people, web designers have become essential in the task of reaching multiple users at one time. Companies, schools and other organizations have continuously increased expectations, and the average web user has begun to expect more. With so many websites in existence, it is hard to obtain and maintain a user's attention. Studies have shown that a person is more likely to view and remember a website if that website seems more personal to them. The two major factors that make a website feel personal to a user is the presence of photographs and personal information. It is these facts that many of today's most popular websites (specifically Facebook and MySpace) have been built upon.

Using these facts, Initrode Solutions has utilized important aspects of user interface design to create a personal Alumni Spotlight Web System. Dr. Eric Breimer and the Computer Science Department have asked our team to create this system and integrate it into the redesign of the Siena College website in hopes of creating a more personal feel for users and viewers of the website.

The objective of this project is to create a webpage similar to that of www.Facebook.com, in the sense that a user will be able to register via a valid email address, and create their personal profile. The main goal is to create a strong Siena community that consists of alumni profiles which will show prospective students, parents, and other alumni what they have accomplished with a their degree. The profiles and alumni photos will act to create a personal feeling about Siena that will highlight the fact that Siena is not just a college but rather that it is a community and that great success can be obtained with a degree from Siena.

II. Requirements Inventory

The following requirements inventory was created and modified during previous steps in the software development lifecycle. The purpose of creating this requirements inventory was to reach a formal and complete listing of all features that were to be included in the Alumni Spotlight Web System. Each of these items has been tested fully and the results of these tests can be found in the Test Plan Results document which has been attached separately.

Use Case Scenarios

The Alumni Spotlight Web System includes three different user cases, each of which are described below including itemized lists of specific needs for each.

Administrative User:

- This user will be the first user in the database, and the first one created on the CMS.
- The user name will be “Administrator” and a password that we have yet to determine.
- This user will have complete access to all accounts.
 - The administrator will be able to see all registered accounts.
 - The administrator should be able to delete a user from the community.
 - The administrator should be able to edit a user’s account in the community.
- The administrator will be able to modify the website as well as the database behind it.
 - The administrator will have access to the MySQL database table to edit it.
 - The administrator will be able to change the table settings in the database.
 - The administrator will be able to change the style sheets for the website.
 - The administrator will have the ability to change functions for the website.
- The administrator will be able to select specific community members to be spotlighted on the Siena College Computer Science Home Page.
- The administrator will be able to delete the Spotlight Page.
- The administrator will not have a profile homepage like other users rather the administrator will have a control panel.
- The administrator will not be able to change the user name of “Administrator”

Community User:

- All community users will self register with the community.
- The user will use his/her E-mail address as their User name (Log In).
- The user's password will consist of 6-12 characters, and must contain at least one number.
- If the user forgets their password, the user can retrieve it automatically via a link labeled “Forgotten Password” which will e-mail the user their current password.
- Each user will have their own account profile which will be customizable with personal information.
 - The following is a list of what will be included in a User’s profile:

- First Name – User’s first name.
 - Last Name – User’s last name.
 - City - Current city the user lives in.
 - State – Current state the user lives in.
 - E-mail – Current E-mail address the user is using.
 - Graduation Year – What year the user graduated Siena.
 - Major – What the user’s major was.
 - Minor(s) – Any minor(s) the user had, if applicable.
 - Degree Earned – The degree earned by the user while at Siena.
 - Favorite Class – The user’s favorite class at Siena.
 - Favorite Professor – The user’s favorite professor at Siena.
 - Least Favorite Class – The user’s least favorite class at Siena.
 - Graduate School – A Yes or No question that asks if the user has gone to or is currently attending graduate school.
 - What School if applicable – The name of the school where the graduate degree was/is being earned if the previous field was yes.
 - Current Job Location – The company that the user works for.
 - Current Job Title – The user’s current job title.
 - Salary – The user’s current salary at their current job.
 - Description on Siena Experience – A small description of what the user felt about their time spent at Siena college.
 - Personal Information – Any other personal information the user might want to share such as family status.
 - Favorite Quote – A quote the user might have found inspiring in their life or simply a quote that they enjoy.
- The community user will be able to upload their photograph.
 - The community user will be able to upload other photos and create photo albums.
 - The community user will be able to create, update, delete and add new photo albums.
 - The community user will be able to update, delete, and add to old albums as well.
 - The community user will have their own photo Album that can be updated.
 - The community user will be able to search for other community users that have registered for the Alumni Spotlight Web System.

Anyone:

- This user does not need to register for the community.
- Due to the fact that this type of user is not registered, there is no account associated with these users within the community.
- This user represents any user that visits the Siena College Computer Science Home page.
- This user will only be able to view the current Alumni Spotlight that is active on the Siena College Computer Science Homepage.

Functional Requirements Inventory

- The Alumni Spotlight Web System must be web based, so anyone can access it from anywhere.
- The system must work with all major browsers, including but not limited to:
 - Internet Explorer 6.0 and 7.0
 - Mozilla Firefox 1.5.07
 - Netscape 7.1
 - Safari 2.0.4
- The system should be controlled by some sort of CMS to facilitate the administrator's job.
- The system will allow an administrator to access, monitor, and maintain the web site.
 - The administrator will have the ability to review, accept, and deny initial profiles and changes made to those profiles later on.
 - The administrator will have the ability to select and use a profile for the Alumni Spotlight.
- The system will allow the administrator to access the database to maintain the user's data, and make sure the system runs correctly.
- The administrator must be able to select specific community user(s) for the Alumni Spotlight.
- The system will allow the administrator to generate a page automatically for the Siena College Computer Science Home Page displaying the Alumni Spotlight.
- In accordance to the point above, this selection must generate the page to be loaded on the Siena College Computer Science Home Page.
- The system should allow for secure sign in to the system via a sign on screen.
- According to the Use Case scenarios, we will ensure that each user type is correctly established.
- Allow self-registration into the system.
- Allow users to change/add new personal information to their profile in the following areas:
 - First Name

- Last Name
 - City
 - State
 - E-mail
 - Graduation Year
 - Major
 - Minor(s)
 - Degree Earned
 - Favorite Class
 - Favorite Professor
 - Least Favorite Class
 - Graduate School
 - What School if applicable
 - Current Job Location
 - Current Job Title
 - Salary
 - Description on Siena Experience
 - Personal Information
 - Favorite Quote
- The user may will also be able to make changes to their password, contact information and their picture.
 - Finally, all page links will be tested and ensure that they redirect users to their appropriate link.

Please note that the following requirements are based off of specific screens. For practical purposes, these were placed in the order in which they would be encountered by a community rather than in alphabetical order. Please note that requirements for every screen are not included here, but a complete list of requirements for each screen is included within the Test Plan Results document in the Unit Test section.

Welcome Screen

- Upon pressing the “Log On” button we will ensure that the user name and password are correct, and then redirect the user to their home page.
- We will ensure that the link for registration brings the user to the “Registration Screen.”
- Lastly, we will ensure that the link for a forgotten password functions correctly as well, placing the user at the “Forgotten Password Screen.”

Registration Screen

- We will make sure that all indicated fields are filled in, and check the fields to ensure they can handle specific characters, such as spaces or

single quotes.

- We will also make sure that upon submission, the account will be activated, and a confirmation email will be sent telling the user that their registration was a success. If the account exists already, we will re-direct the user to a page informing them that there is already an account registered under that email address.

Forgotten Password Screen

- We will make sure the email account entered is contained in our database, and if it is, send the user their password.

Home / My Account Screen

- We will make sure the correct information loads with the specified profile.
- A check of all the links will be done, ensuring that they all lead to their correct, respective pages.

Edit Profile Screen

- This page will be checked to make sure all required fields have been filled in above all else.
- We will ensure specific characters such as spaces and single quotes are acceptable.
- Upon submission, we will make sure that each field is saved in the database, actually updating the specified profile.

Search Site Screen

- Upon pressing “Search” we will make sure the fields entered check the database, and return the user to the results screen, showing correct information according to the search criteria.

Browse User(s) Screen

- We will ensure that the profiles displayed here are correct in accordance with the search criteria.

Contact Us Screen

- We will ensure this screen will send an email to the systems administrator correctly including the user who sent it, as well as the comments that the user filled out within the comments area.

Admin Control Panel

- Due to the complexity of the control panel itself, we will summarize the basic operations that are held within the system. Since our open source CMS will create the basic functionality of the Admin Control Panel the basic things to check will be as follows
 - That each link on the page works.
 - Any change made by the administrator is reflected on the site, or data base depending upon which has been modified.
 - That the administrator will be able to select a community user as a spotlighted member, creating a page for the Siena College Computer Science homepage.

Non-Functional Requirements Inventory

Please note that further clarification on these requirements including the pass/fail criteria has been included in section 1.7 of the Test Results document.

- The Alumni Spotlight Web System should be
 - Universal
 - Efficient
 - Secure
 - Customizable to users
 - Easily expandable

III. Environments, Systems and Performance

Specifications

The Alumni Spotlight Web System has been developed at Siena College in the Software Engineering Laboratory. The Initrode Solutions team has developed this system on a server, which is actually a virtual machine, which runs along side of some other machines. The underlying host machine is a Dell PowerEdge 2950 with two Intel Xeon 3.0 Ghz dual core processors. This machine also has 8 GB of RAM and 1.5 TB of internal storage (after RAID overhead). This server is the host the Alumni Spotlight Website via Apache 2.2.3 with access to an Oraserv database server. This server is also equipped with PHP 5.2.0.

During the software engineering process, Initrode Solutions has been using a Dell computer, which runs a Windows XP Operating System with Service Pack 2. Initrode has also used an I-Mac, which uses a Macintosh Operating System X10.4.7.

The interface will be developed using a CMS (Content Management System) called Drupal. This system will be accessible anywhere with internet access on all major browsers including Internet Explorer 6.0, Netscape Navigator 7.1, Mozilla Firefox 1.5.07 and Safari 2.0.4.

The Alumni Spotlight Web System will be developed to run on the three major operating systems: Windows, Macintosh, and Linux. The web administrator at Siena College, who will be able to edit and maintain from any personal computer using any operating system listed above, or variations of them, will maintain the system.

Constraints

Due to the fact that the Alumni Spotlight Web System was created using an external CMS, many of the features, and functionality of this system were not fully known or understood until the Initrode team began development and programming.

With this fact in mind, please note that certain functional requirements and unit test cases were unable to be met due to limitations of the equipment being used in conjunction with the CMS and the time provided for development.

The features that were unable to be completed due to these constraints included the photo album and photo gallery functionality, the sending of automatic e-mail messages to users and administrators and the testing of the system on a Linux machine.

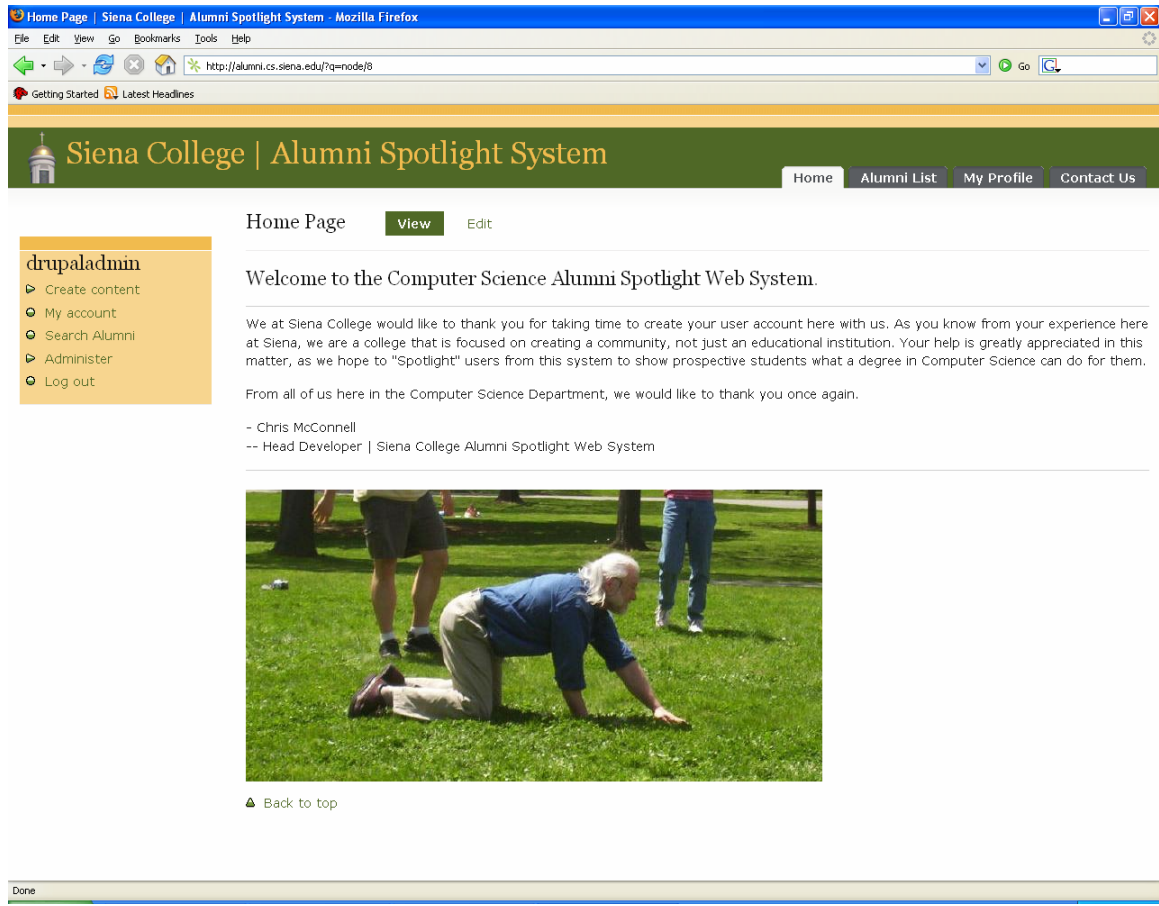
Please refer to Appendix A of the Test Results document for more in-depth explanations and descriptions for these incomplete features.

IV. Test Results

Please note that the test results have been included as a separate document. This document can be found on the web at the following address:
http://oraserv.cs.siena.edu/~perm_initrode/documents/project/TestResultsInitrodeSolutions.html

V. User displays

Administrator Home Page Screen



The screenshot shows a Mozilla Firefox browser window displaying the Administrator Home Page Screen. The browser's address bar shows the URL <http://alumni.cs.siena.edu/?q=node/8>. The page header includes the Siena College logo and the text "Siena College | Alumni Spotlight System". Below the header, there are navigation links: "Home", "Alumni List", "My Profile", and "Contact Us". The main content area features a "Home Page" section with "View" and "Edit" buttons. A "drupaladmin" sidebar on the left lists options: "Create content", "My account", "Search Alumni", "Administer", and "Log out". The main text area contains a welcome message: "Welcome to the Computer Science Alumni Spotlight Web System." followed by a paragraph of text: "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." Below this is another paragraph: "From all of us here in the Computer Science Department, we would like to thank you once again." followed by a signature: "- Chris McConnell" and "- - Head Developer | Siena College Alumni Spotlight Web System". A photograph of an elderly man kneeling on a grassy field is displayed below the text. At the bottom of the page, there is a "Back to top" link and a "Done" status bar.

The administrative user can locate this screen after he/she has successfully logged into the Alumni Spotlight Web System. This page simply notifies the administrator that they have successfully logged into the system.

Administrator Access Control Screen

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 type="checkbox"/>
administer comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
post comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
post comments without approval	<input type="checkbox"/>	<input type="checkbox"/>	<input 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"/>

This screen can be located from the Administrative Control Panel screen by clicking on the "Access Control" option located as a sub category of "administer" on the left hand menu bar. This screen breaks down every aspect of the site and gives the administrator the option to allow or disallows each option for each user type. For example, community users can create profiles and web blogs but the "anyone" user cannot.

Administrator Content Screen

Content | Siena College | Alumni Spotlight System - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://alumni.cs.siena.edu/?q=admin/content/node

Getting Started Latest Headlines

Siena College | Alumni Spotlight System

Home Alumni List My Profile Contact Us

Home > Administer > Content management

Content

Show only items where

status is published

type Biography

Update options

Publish

<input type="checkbox"/>	Title	Type	Author	Status	Operations
<input type="checkbox"/>	elseHearn new	Usernode	elseHearn	published	edit
<input type="checkbox"/>	Lederman new	Usernode	Lederman	published	edit
<input type="checkbox"/>	drupaladmin updated	Usernode	drupaladmin	published	edit
<input type="checkbox"/>	Chris McConnell new	Usernode	Chris McConnell	published	edit
<input type="checkbox"/>	Chuck Feltes new	Usernode	Chuck Feltes	published	edit
<input type="checkbox"/>	saa5557 new	Usernode	saa5557	published	edit
<input type="checkbox"/>	Home Page	Page	drupaladmin	published	edit
<input type="checkbox"/>	Contact	Page	drupaladmin	published	edit
<input type="checkbox"/>	Test	Page	drupaladmin	published	edit
<input type="checkbox"/>	Search Results	Page	drupaladmin	published	edit
<input type="checkbox"/>	My Life Story	Story	Anonymous	published	edit
<input type="checkbox"/>	My Life	Biography	Anonymous	published	edit

Done

This screen can be located from the Administrative Control Panel screen by clicking on the "Content" option located as a sub category of "administer" on the left hand menu bar. From this location, the administrator can edit different types of content that will be available such as photo albums, blogs and forms.

Administrator Main Menu Screen

The screenshot shows a web browser window with the title "Administrator | Siena College | Alumni Spotlight System - Mozilla Firefox". The address bar shows the URL "http://alumni.cs.siena.edu/?q=admin". The page header features the Siena College logo and the text "Siena College | Alumni Spotlight System" in a green bar. Below the header, there are navigation links: "Home", "Alumni List", "My Profile", and "Contact Us".

The main content area is titled "Home" and "Administer". It includes a sidebar on the left with a "drupaladmin" menu containing options like "Create content", "My account", "Search Alumni", "Administer", "Content management", "Site building", "Site configuration", "User management", "Logs", "Help", and "Log out".

The main content area has a "By task" filter and a "Welcome to the administration section. Here you may control how your site functions." message. A red error message states: "One or more problems were detected with your Drupal installation. Check the status report for more information." Below this, there are sections for "Content management" and "Site building".

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.

Site building
Control how your site looks and feels.

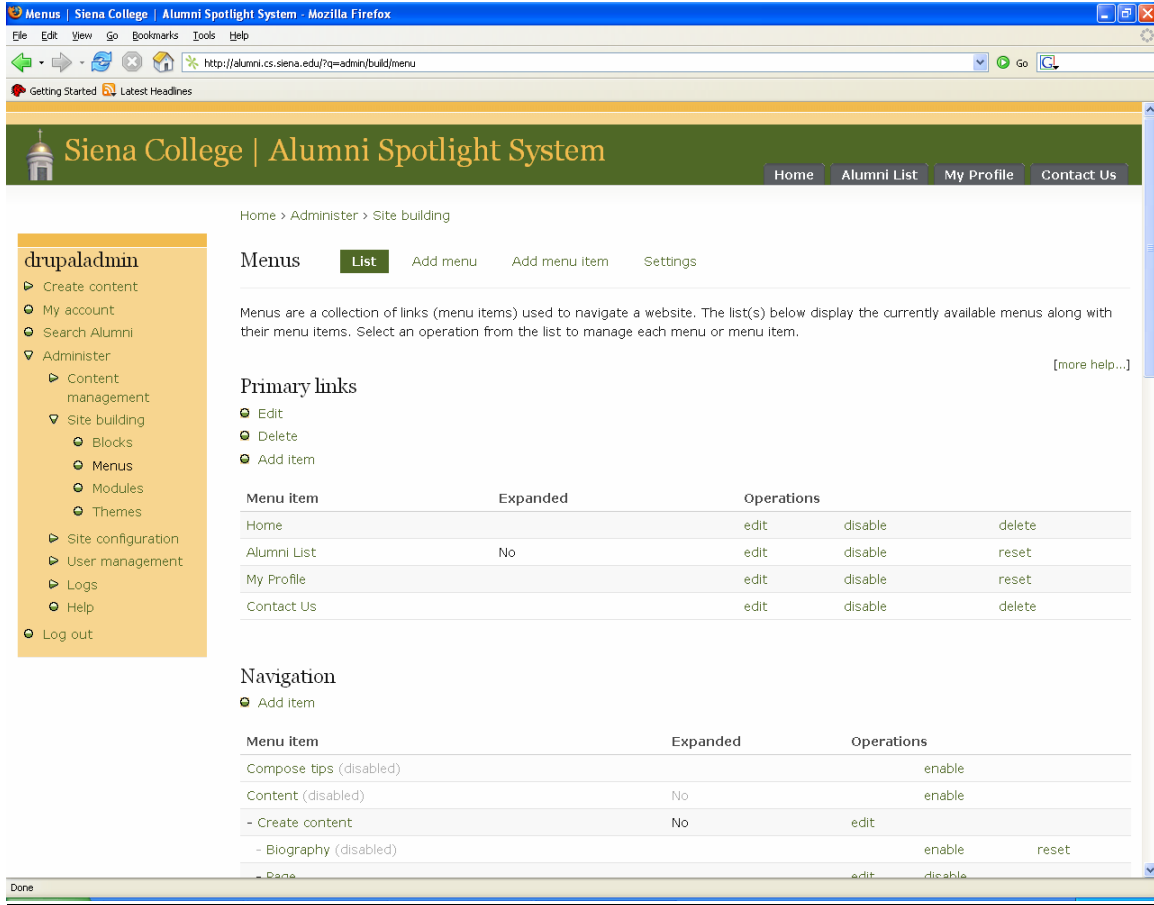
- Blocks**
Configure what block content appears in your site's sidebars and other regions.
- Menus**
Control your site's navigation menu, primary links and secondary links, as well as rename and reorganize menu items.
- Modules**
Enable or disable add-on modules for your site.
- Themes**
Change which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

This is the main screen where the administrative user will be able to make changes to different modules, themes, roles and other issues concerned with the site. From here, the administrative user will be able to make all site changes and manage the users as well.

Administrator Menus Screen



This screen can be located from the Administrative Control Panel screen by clicking on the "Menus" option located as a sub category of "administer" on the left hand menu bar. This screen allows the administrator to enable or disable certain accessories that are associated with the website. These accessories can be disabled completely or selectively. If a feature is disabled completely, no user can use that feature. If the feature is disabled selectively, a particular user's blog entry may be removed or that user's individual ability to use the blog feature can be removed.

Administrator Menu Building Screen

Home > Administer > Site building

Blocks [List](#) [Add block](#)

[aberdeen-liquid settings](#) [aberdeen settings](#) [bluemarine settings](#) [chameleon settings](#)
[garland settings](#) [marvin settings](#) [minnelli settings](#) [pushbutton settings](#)

Blocks are boxes of content that may be rendered into certain regions of your web pages, for example, into sidebars. They are usually generated automatically by modules, but administrators can create blocks manually.

Only enabled blocks are shown. You can position blocks by specifying which area of the page they should appear in (e.g., a sidebar). Highlighted labels on this page show the regions into which blocks can be rendered. You can specify where within a region a block will appear by adjusting its weight.

If you want certain blocks to disable themselves temporarily during high server loads, check the "Throttle" box. You can configure the auto-throttle on the throttle configuration page after having enabled the throttle module.

You can configure the behaviour of each block (for example, specifying on which pages and for what users it will appear) by clicking the "configure" link for each block.

[\[more help...\]](#)

Block	Region	Weight	Operations
Left sidebar			
Navigation	left sidebar	0	configure
Right sidebar			
User login	right sidebar	0	configure
Disabled			
Author information	<none>	0	configure
Primary links	<none>	0	configure

In this segment of the administrative control panel, the admin can add, edit and delete links to certain menus, add new menus, or move/edit/delete current menus based upon the designated blocks, or created boxes. To get to this area, the admin will click to “administer” then “site building” then “menus.”

Administrator Recent Events Screen

Home > Administer > Logs

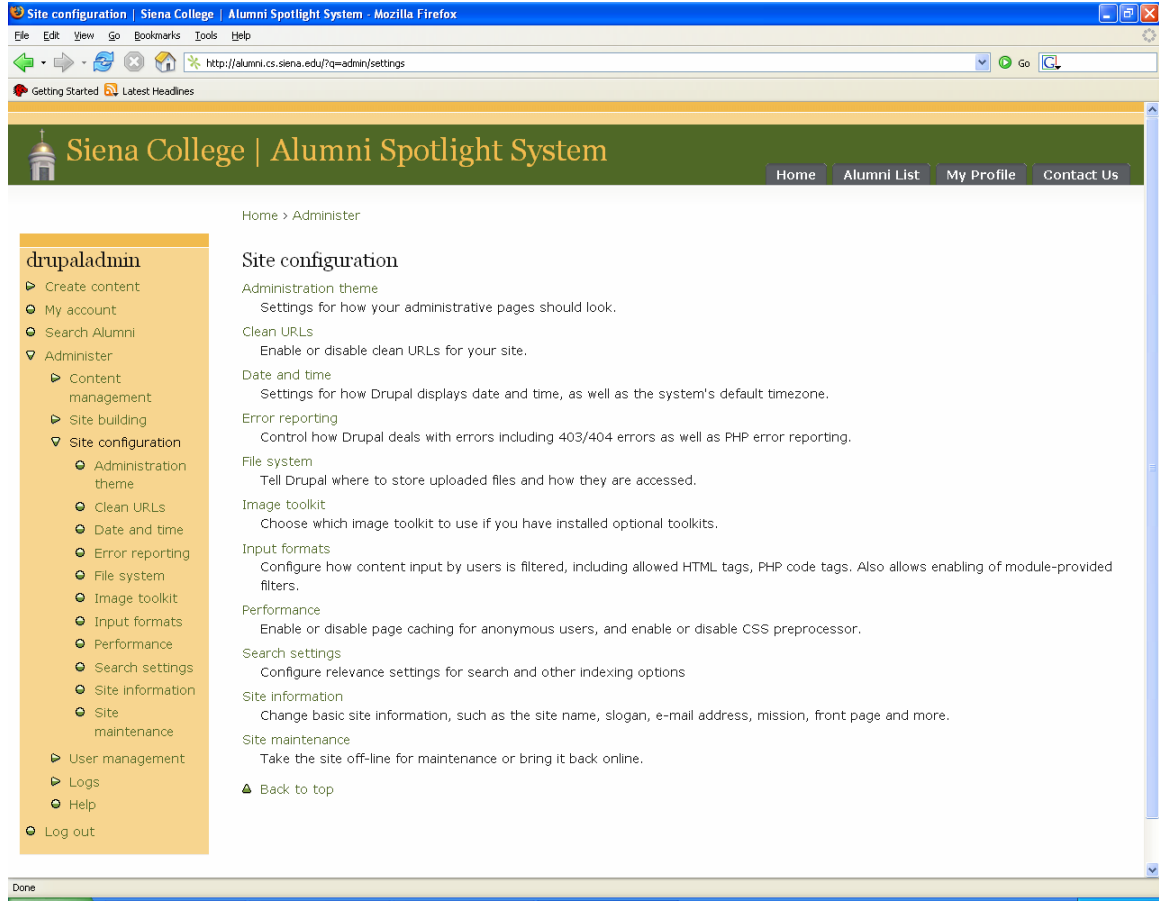
Recent log entries

Filter by message type:

Type	Date	Message	User	Operations
user	04/29/2007 - 12:57	Session opened for saa5557.	saa5557	
user	04/29/2007 - 12:56	Session closed for saa5557.	saa5557	
search	04/29/2007 - 12:50	2007 (Profiles).	saa5557	results
search	04/29/2007 - 12:50	asda (Profiles).	saa5557	results
user	04/29/2007 - 12:35	Session opened for saa5557.	saa5557	
user	04/29/2007 - 12:35	Session closed for saa5557.	saa5557	
user	04/29/2007 - 12:33	Session opened for saa5557.	saa5557	
user	04/29/2007 - 12:15	Session closed for drupaladmin.	drupaladmin	
search	04/27/2007 - 18:51	anthony (Profiles).	eliseHearn	results
search	04/27/2007 - 18:51	anthony (Profiles).	eliseHearn	results
user	04/27/2007 - 18:41	New user: eliseHearn ...	Anonymous	edit
content	04/27/2007 - 18:41	usernode: added eliseHearn.	eliseHearn	view
user	04/27/2007 - 18:29	Session opened for Lederman.	Lederman	
user	04/27/2007 - 18:29	Login attempt failed for Lederman.	Anonymous	
user	04/27/2007 - 18:27	Session closed for Lederman.	Lederman	
user	04/27/2007 - 18:27	New user: Lederman ...	Anonymous	edit
content	04/27/2007 - 18:27	usernode: added Lederman.	Lederman	view
user	04/27/2007 - 18:17	Session closed for drupaladmin.	drupaladmin	
user	04/27/2007 - 18:17	Session opened for drupaladmin.	drupaladmin	

This screen can be accessed by clicking on the "Administer" option on the left hand menu bar. This screen is another version of the Administrator - Logs screen. This screen allows the administrator to view the most recent occurrences of the system. This screen differs only slightly from the Logs screen in that it holds events for a shorter amount of time and it only displays the most recent events.

Administrator Settings Screen



This screen can be located from the Administrative Control Panel screen by clicking on the "Settings" option located as a sub category of "administer" on the left hand menu bar. This screen allows the administrator to set general configuration settings for the site. Specifically the administrator can change general settings, error handling settings, file system settings, and can perform site maintenance and string handling. General settings include basic fields and options for the website and database. Error handling takes care of different errors that may arise during the use of the website. This will allow the administrator to access and change portions of the code if necessary. File system settings are simply in regards to the uploading of user photos. Site maintenance includes the theme and appearance of the site as a whole and string handling deals with checking to ensure that input that goes into the database is acceptable.

Administrator Modules Screen

The screenshot shows a web browser window with the URL `http://alumni.cs.siena.edu/?q=admin/build/modules`. The page title is "Modules | Siena College | Alumni Spotlight System - Mozilla Firefox". The browser's address bar shows the URL. The page header includes the Siena College logo and the text "Siena College | Alumni Spotlight System". Navigation links for "Home", "Alumni List", "My Profile", and "Contact Us" are visible. The breadcrumb trail is "Home > Administer > Site building".

The main content area is titled "Modules" and includes a "List" button and an "Uninstall" link. Below this, there is a paragraph explaining that modules are plugins for Drupal that extend its core functionality. It states that users can select which modules are enabled and that new permissions might be made available once a module is enabled. It also mentions that modules can be temporarily disabled to reduce server load by enabling the throttle module and checking the throttle. The auto-throttle functionality must be enabled on the throttle configuration page after having enabled the throttle module.

It is important that `update.php` is run every time a module is updated to a newer version. You can find all administration tasks belonging to a particular module on the administration by module page.

The "CCK" section is expanded, showing a table of modules:

Enabled	Name	Version	Description
<input checked="" type="checkbox"/>	Content	5.x-1.3	Allows administrators to define new content types. Required by: Content Copy (enabled), Fieldgroup (enabled), Node Reference (enabled), Number (enabled), Option Widgets (enabled), Text (enabled), User Reference (enabled)
<input checked="" type="checkbox"/>	Content Copy	5.x-1.3	Enables ability to import/export field definitions. Depends on: Content (enabled)
<input checked="" type="checkbox"/>	Fieldgroup	5.x-1.3	Create field groups for CCK fields. Depends on: Content (enabled)
<input checked="" type="checkbox"/>	Node Reference	5.x-1.3	Defines a field type for referencing one node from another. Depends on: Content (enabled)
<input checked="" type="checkbox"/>	Number	5.x-1.3	Defines numeric field types. Depends on: Content (enabled)
<input checked="" type="checkbox"/>	Option Widgets	5.x-1.3	Defines selection, check box and radio button widgets for text and numeric fields. Depends on: Content (enabled)
<input checked="" type="checkbox"/>	Text	5.x-1.3	Defines simple text field types. Depends on: Content (enabled)

This screen can be located from the Administrative Control Panel screen by clicking on the "Modules" option located as a sub category of "administer" on the left hand menu bar. Modules are plug-ins for Drupal that extends its core functionality. This screen contains a list of all available modules as well as descriptions of each. From this screen, the administrator can chose which modules are enabled. Once a module is enabled, new permissions might be made available. Modules can be automatically temporarily disabled to reduce server load when the site becomes extremely busy. This can be done by checking the "throttle" check box instead of the "Enabled" check box.

Administrator Users Screen

The screenshot shows a web browser window with the URL <http://alumni.cs.siena.edu/?q=admin/user/user>. The page title is "Users | Siena College | Alumni Spotlight System - Mozilla Firefox". The page content includes a navigation menu with "Home", "Alumni List", "My Profile", and "Contact Us". The main content area is titled "Users" and has a "List" button and an "Add user" link. Below this, there is a text block explaining that Drupal allows users to register, login, log out, maintain user profiles, etc. There is a "Show only users where" section with three radio buttons: "role" (selected), "permission", and "status". The "role" dropdown is set to "admin user", "permission" is "administer blocks", and "status" is "active". There is a "Filter" button. Below this is an "Update options" section with a dropdown set to "Unblock the selected users" and an "Update" button. The main content is a table of users with columns for Username, Status, Roles, Member for, Last access, and Operations. The table lists several users, including "drupaladmin" who is an "admin user" with a role of "admin user".

Home > Administer > User management

Users [List](#) [Add user](#)

Drupal allows users to register, login, log out, maintain user profiles, etc. Users of the site may not use their own names to post content until they have signed up for a user account. [\[more help...\]](#)

Show only users where

role is

permission

status

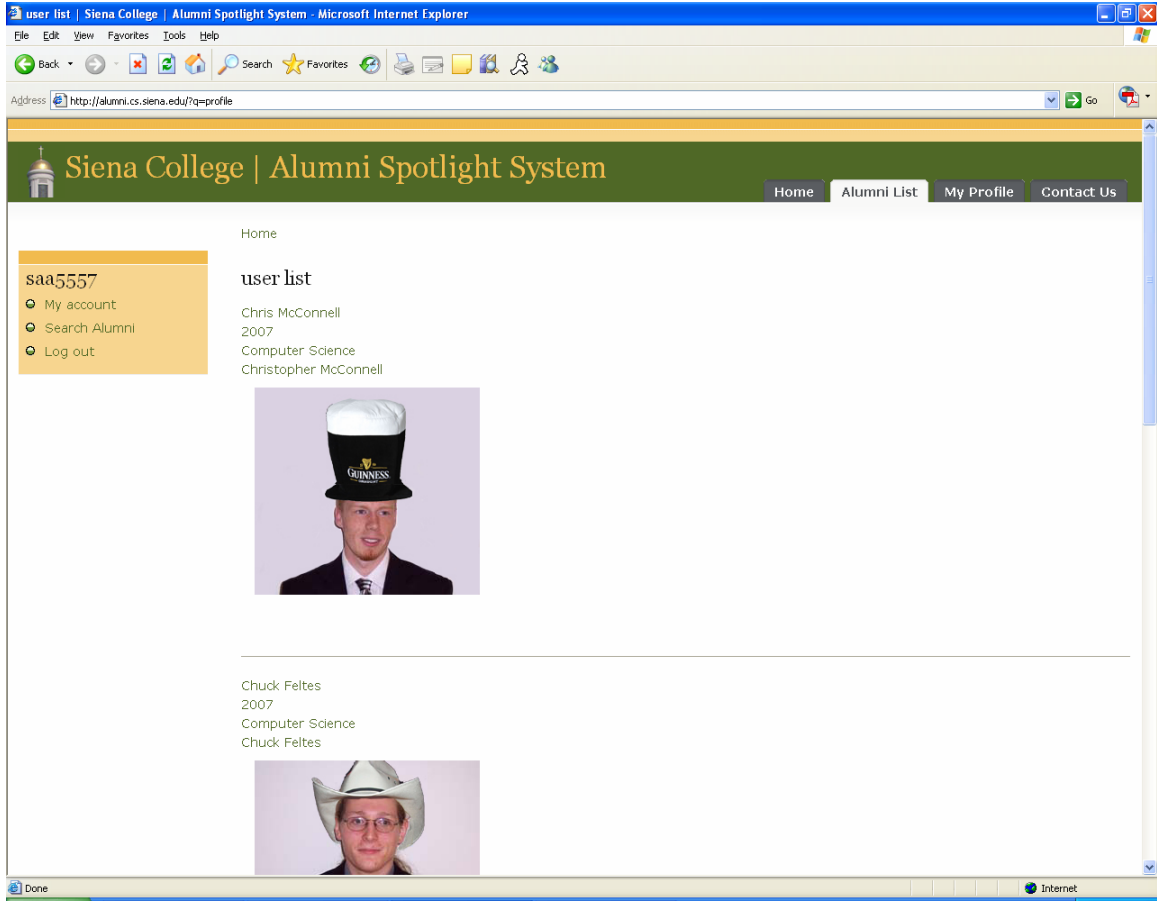
Update options

<input type="checkbox"/>	Username	Status	Roles	Member for	Last access	Operations
<input type="checkbox"/>	eliseHearn	active		1 day 18 hours	1 day 18 hours ago	edit
<input type="checkbox"/>	Lederman	active		1 day 18 hours	1 day 18 hours ago	edit
<input type="checkbox"/>	Chris McConnell	active		1 day 18 hours	1 day 18 hours ago	edit
<input type="checkbox"/>	Chuck Feltes	active		1 day 19 hours	1 day 19 hours ago	edit
<input type="checkbox"/>	saa5557	active		1 day 19 hours	10 min 13 sec ago	edit
<input type="checkbox"/>	drupaladmin	active	<input checked="" type="checkbox"/> admin user	12 weeks 2 days	2 sec ago	edit

[Back to top](#)

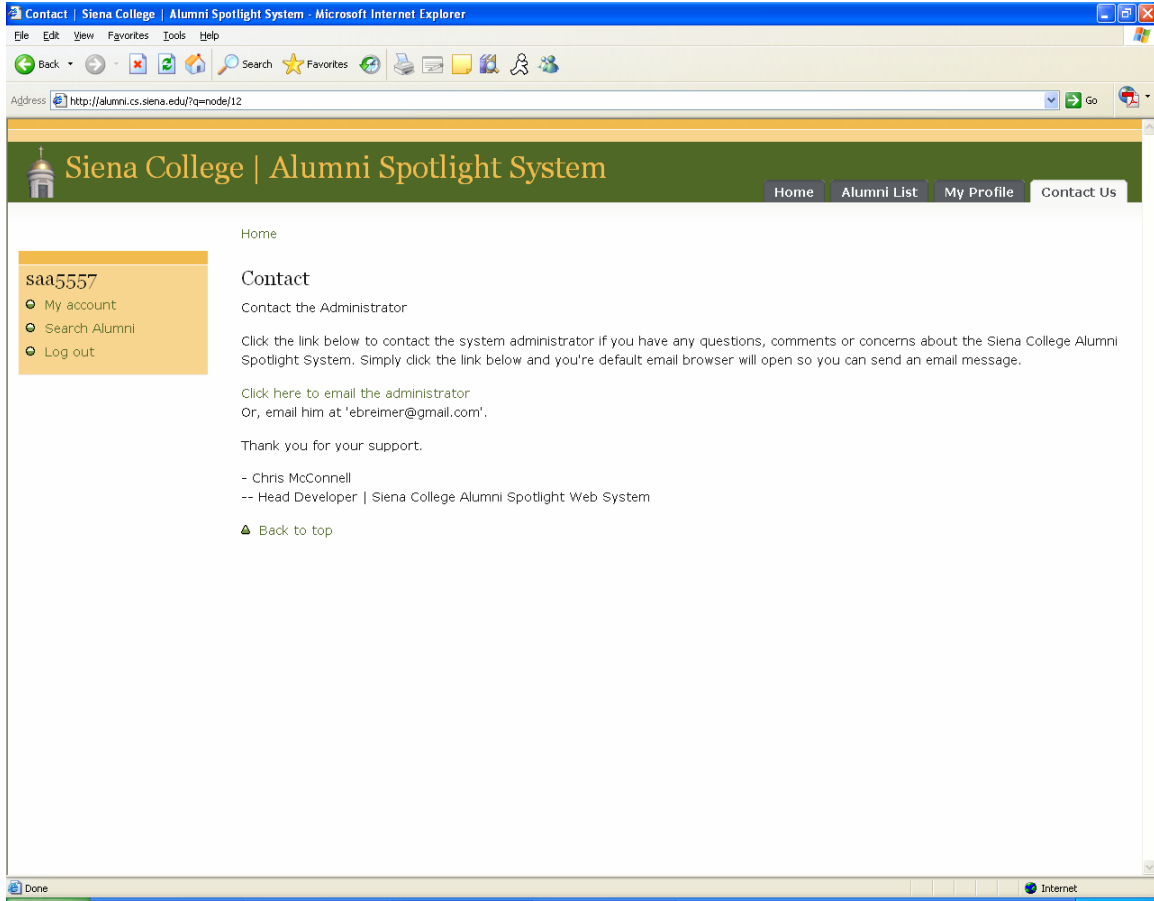
This screen can be located from the Administrative Control Panel screen by clicking on the "Users" option located as a sub category of "administer" on the left hand menu. This screen gives the administrator a list of all users that are registered within the system including how long they have been members, and the date and time of their last visit. Clicking on the "edit" option to the right of each statement will allow the administrator to edit the content of that user's profile.

Browse User List Screen



This screen is viewable to all registered users. To get to this screen, the user can click on "Alumni List." This will return a list of all the alumni that have registered with the system, including their profile picture, and some information from their profile for easy viewing/browsing of the alumni in our system.

Contact Us Screen



This screen will be accessed when the user clicks the *Contact Us* link. This page allows the user to click a link to send an e-mail to the administrator using their default mailing program to contact the administrator. The page also provides the administrators e-mail address if they would like to use a different program to e-mail the administrator.

Edit Profile Screen

saa5557 | Siena College | Alumni Spotlight System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://alumni.cs.siena.edu/?q=user/56/edit

Siena College | Alumni Spotlight System

Home Alumni List My Profile Contact Us

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

Delete picture
Check this box to delete your current picture.

Upload picture:
[] Browse...
Your virtual face or picture. Maximum dimensions are 300x400 and the maximum size is 400 kb. In order to change your current profile picture to a new one, you must delete your current picture, submit, then upload

Done Internet

The purpose of this page is to allow the user to change any information in their profile. This page will be accessed from the user's Home/My Account screen. This screen contains information about the user, only some of which is required. The required fields are labeled with an asterisk. Upon submission, if no errors are found, the user will be redirected to their Home/My Account screen where the changes to their profile will be updated. If errors are found, the screen will be reloaded with a reason for the error.

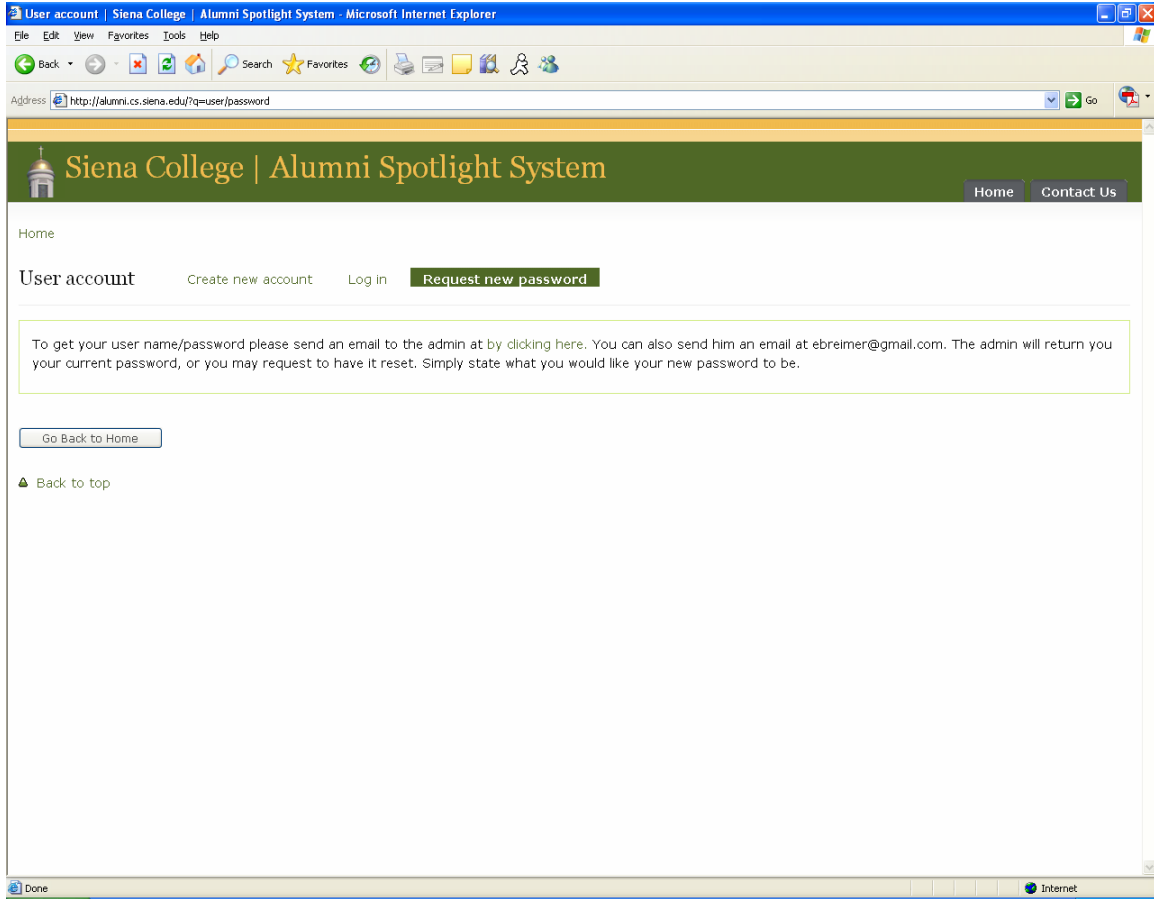
Edit Profile Screen Continued

The screenshot shows a web browser window with the address bar displaying `http://alumni.cs.siena.edu/?q=user/56/edit/Personal+Information`. The page title is "saa5557 | Siena College | Alumni Spotlight System - Microsoft Internet Explorer". The browser's menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The address bar contains "Back", "Forward", "Home", "Search", "Favorites", and "Go" buttons. The page content is divided into a left sidebar and a main content area. The sidebar contains links for "My account", "Search Alumni", and "Log out". The main content area has a navigation bar with "Account settings", "Career", "College", and "Personal Information" (the active tab). Below the navigation bar is a section titled "Personal Information" with the following fields:

- Full Name: ***
Text input: Anthony Angelucci
Placeholder: Enter your full name here.
- E-mail Address:**
Text input: saa5557@siena.edu
Placeholder: Re-enter your email address here if you want to share it with the community.
- Home Address / Home Town:**
Text input: Wappingers Falls
Placeholder: Enter your home address here.
- Phone Number:**
Text input: 555-555-5555
Placeholder: Enter your phone number here.
- Favorite Quote:**
Text area: Lets go Yankees
Placeholder: Enter a quote, or phrase that speaks volume about you.
- Web Site:**
Text input: www.yankees.com
Placeholder: Enter the URL to a website that you might have - if applicable

At the bottom of the form is a "Submit" button and a "Back to top" link.

Forgotten Password Screen



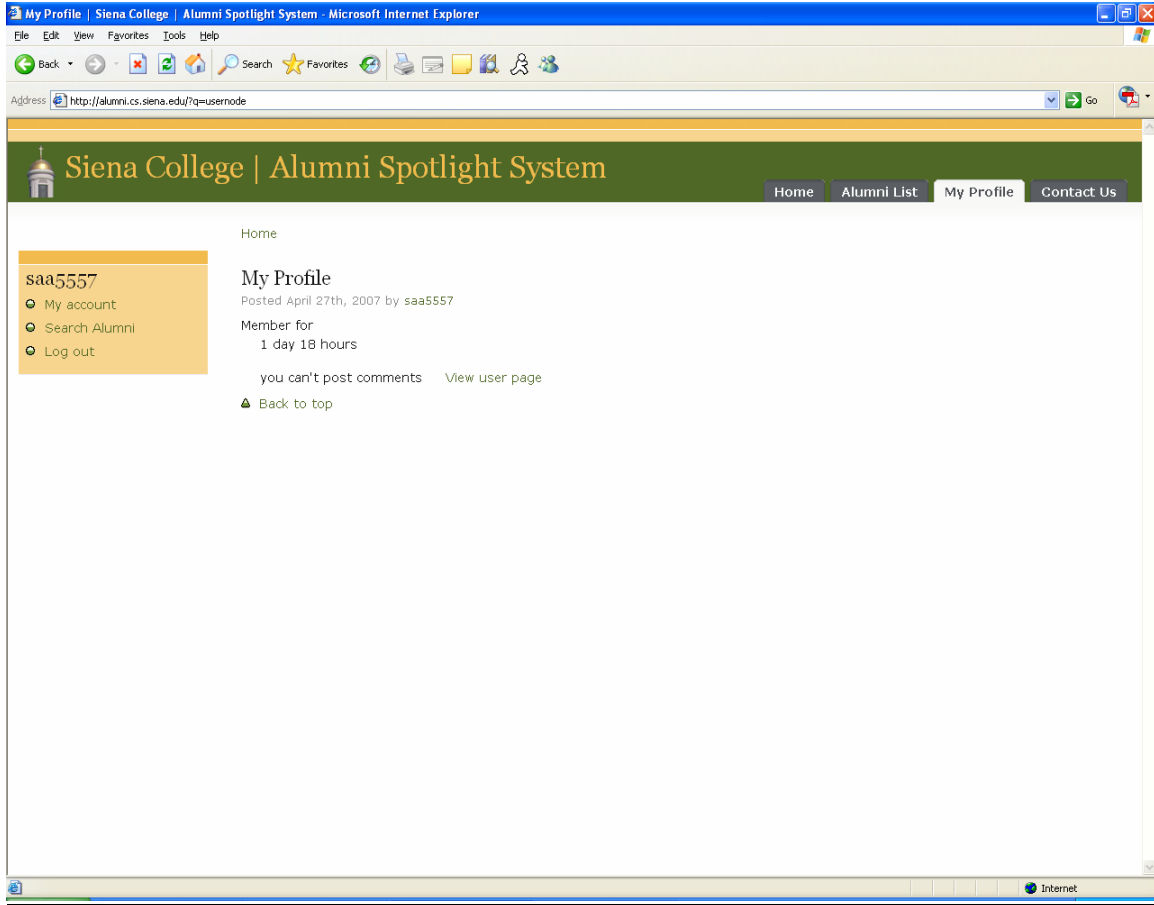
The purpose of this screen is to give the user the ability to recover a lost or forgotten password. The page contains a link that will open the users default mailing program to allow the user to e-mail the administrator directly. The page also displays the administrators e-mail address if they would like to user a different program to e-mail the administrator.

Home / My Account Screen



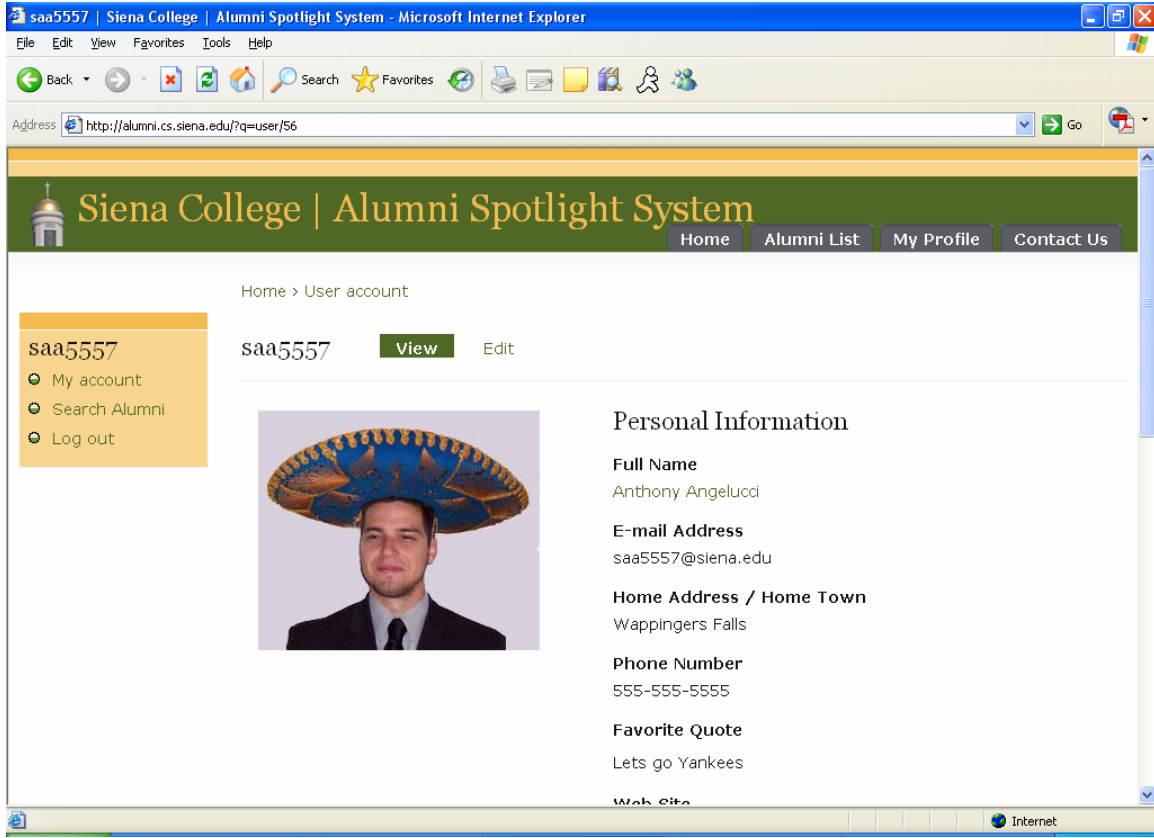
This is the screen that the user first sees when they log into the system. The user has many options from this page. They can view their own profile, search for other alumni, view a list of all the alumni, contact the administrator or log back out of the system.

My Profile Screen



This screen appears when the user clicks the My Profile button. It tells the user how long they have been part of the system. It also allows the user to view their profile.

Profile Page Screen



The users will see this screen once they successfully sign in to the system. After the user first registers, the profile will be blank. This screen consists of facts about the user including their careers, personal information, and their college life. This screen will also contain picture of the user that he/she chooses. From this screen the user will have multiple menu options which can be activated or deactivated by the Administrative user.

Profile Page Screen Continued

saa5557 | Siena College | Alumni Spotlight System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address <http://alumni.cs.siena.edu/?q=user/56> Go

College	Career
Graduation Year 2007	Company Microsoft
Major Computer Science	Job Title CEO
Minor Math	Location New York City
Favorite Class Web Design	Salary 1,000,000
Favorite Teacher Dr. Breimer	Career Experience Work is pretty fun most of the time.
Least Favorite Class Software Engineering	
Graduate School R.P.I.	
Siena Experience / Siena Activities Siena gave me lots of good experience for the real world	

Internet

Registration Screen

User account | Siena College | Alumni Spotlight System - Microsoft Internet Explorer

Address: <http://alumni.cs.siena.edu/?q=user/register>

Siena College | Alumni Spotlight System

Home Contact Us

Home

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

Please note the following:

1. By filling in information below, you are agreeing to share this information with Siena College and its affiliates.
2. The more fields you enter below, the easier it will be for your profile to be searched, so please take the time to enter as much information as you wish to share.
3. If you decide to upload a photo, the photo must be no larger than 175x175.
4. User names can contain spaces, so an example of a user name could be:

- First Name and Last Initial - Chris M
- First Initial and Last Name - A Angelucci
- Or any name that you will remember - ca25felt

Thank you again for your time, cooperation and helping to make Siena College more of a community.

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:

The purpose of this screen is to allow new users to join the community. This screen is where new users will register for an account. The user's email address will serve as their user name, or account ID for the web system. The user is then given a temporary password, which will confirm their account, and an email will be sent with the user's password. Upon successful submission, the user will be directed to a confirmation screen. If the submission is unsuccessful, the screen will be reloaded with a note stating the reason for the error. This screen will be accessed from the sign on screen and possibly from other locations undetermined at this time.

Registration Screen Continued (1)

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.

E-mail address: *

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:

Provide a password for the new account in both fields. This password must be 6-12 characters long, and contain at least one digit.

College

Graduation Year: *

Enter the year you graduated from Siena.

Major: *

Enter your major while at Siena College.

Minor:

Any minor(s) you had while at Siena College.

Favorite Class:

Registration Screen Continued (2)

The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying `http://alumni.cs.siena.edu/?q=user/register`. The page content is as follows:

Minor:

Any minor(s) you had while at Siena College.

Favorite Class:

Enter your favorite class while at Siena.

Favorite Teacher:

Enter your favorite teacher while at Siena.

Least Favorite Class:

Enter your least favorite class at Siena.

Graduate School:

If applicable, what graduate school did you, or are you attending.

Siena Experience / Siena Activities:

Talk about your college experience at Siena College.

Personal Information

Full Name: *

Enter your full name here.

E-mail Address:

Re-enter your email address here if you want to share it with the community.

Home Address / Home Town:

Enter your home address here.

Phone Number:

Registration Screen Continued (3)

User account | Siena College | Alumni Spotlight System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://alumni.cs.siena.edu/?q=user/register> Go

Talk about your college experience at Siena College.

Personal Information

Full Name: *

Enter your full name here.

E-mail Address:

Re-enter your email address here if you want to share it with the community.

Home Address / Home Town:

Enter your home address here.

Phone Number:

Enter your phone number here.

Favorite Quote:

Enter a quote, or phrase that speaks volume about you.

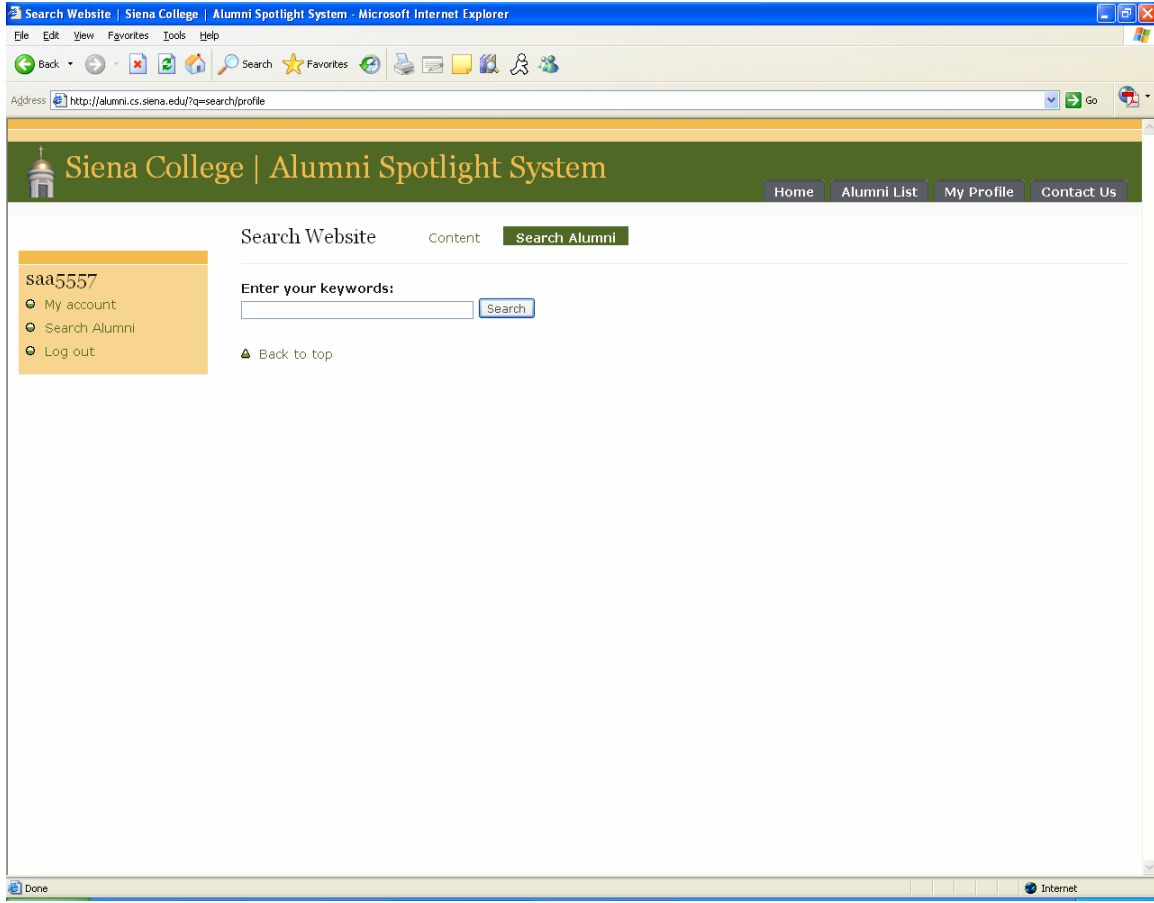
Web Site:

Enter the URL to a website that you might have - if applicable

[Back to top](#)

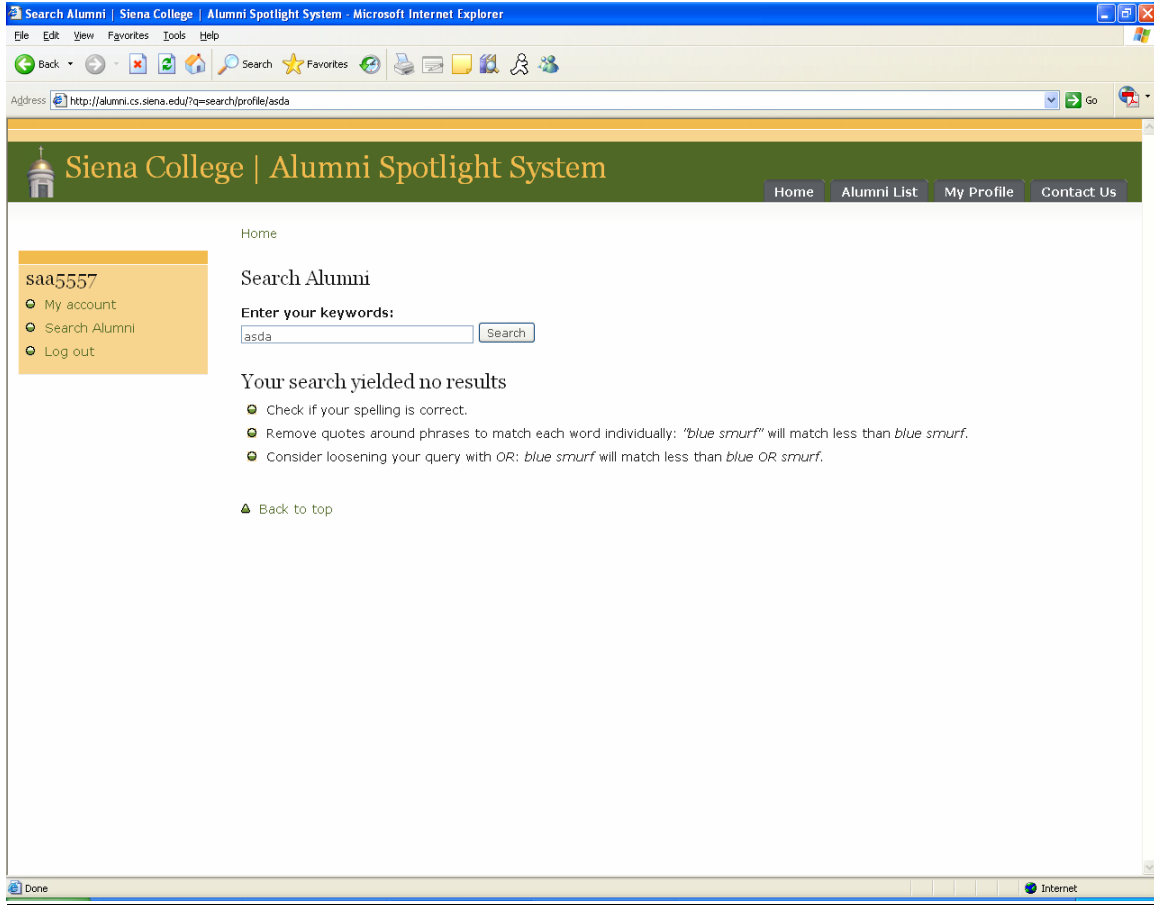
Done Internet

Search Users Screen



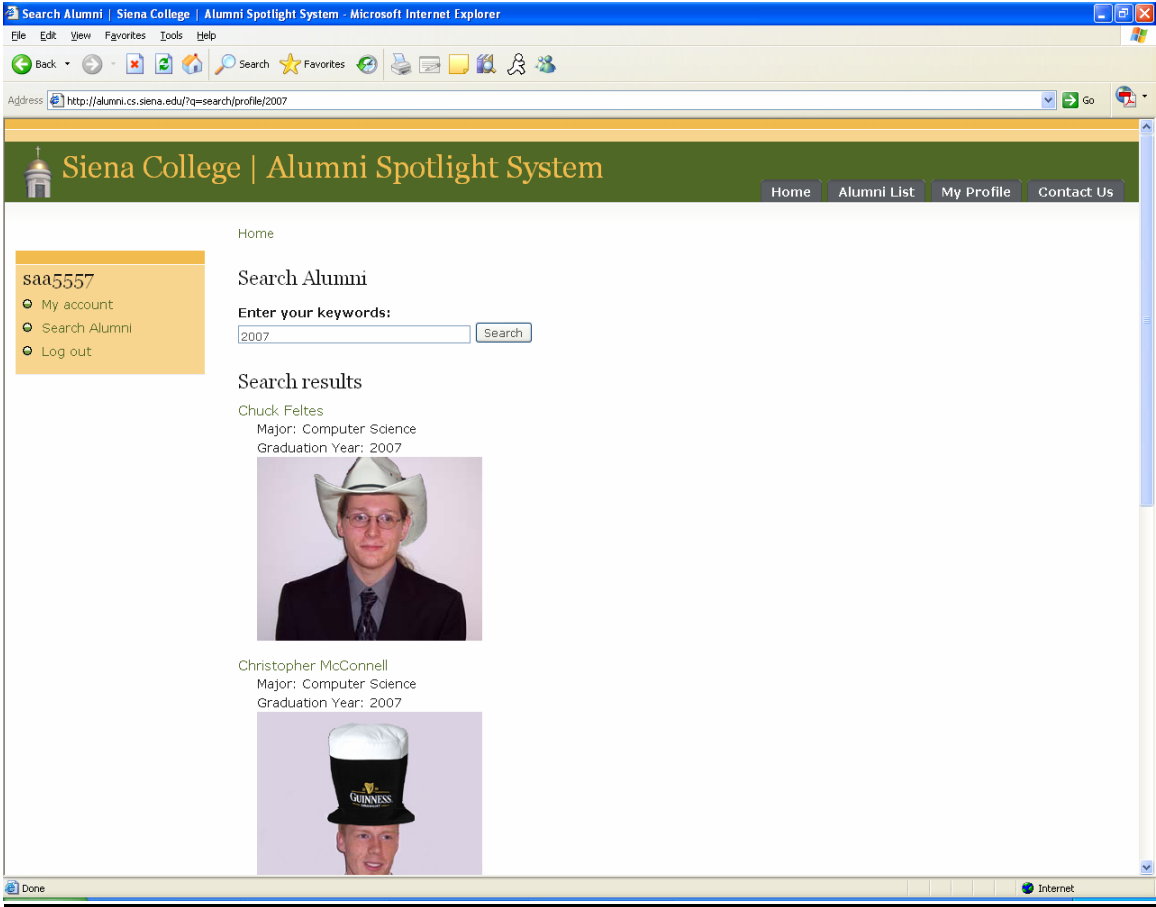
Using this screen, registered users will be able to search for other members in the community. The user will search for other users by entering any one field of the user's profile. For example, if the user enters "2007" then all of the users who graduated in 2007 will be returned. This screen is accessed by clicking the *Search Alumni* link on the user menu.

Search Yielding No Results Screen



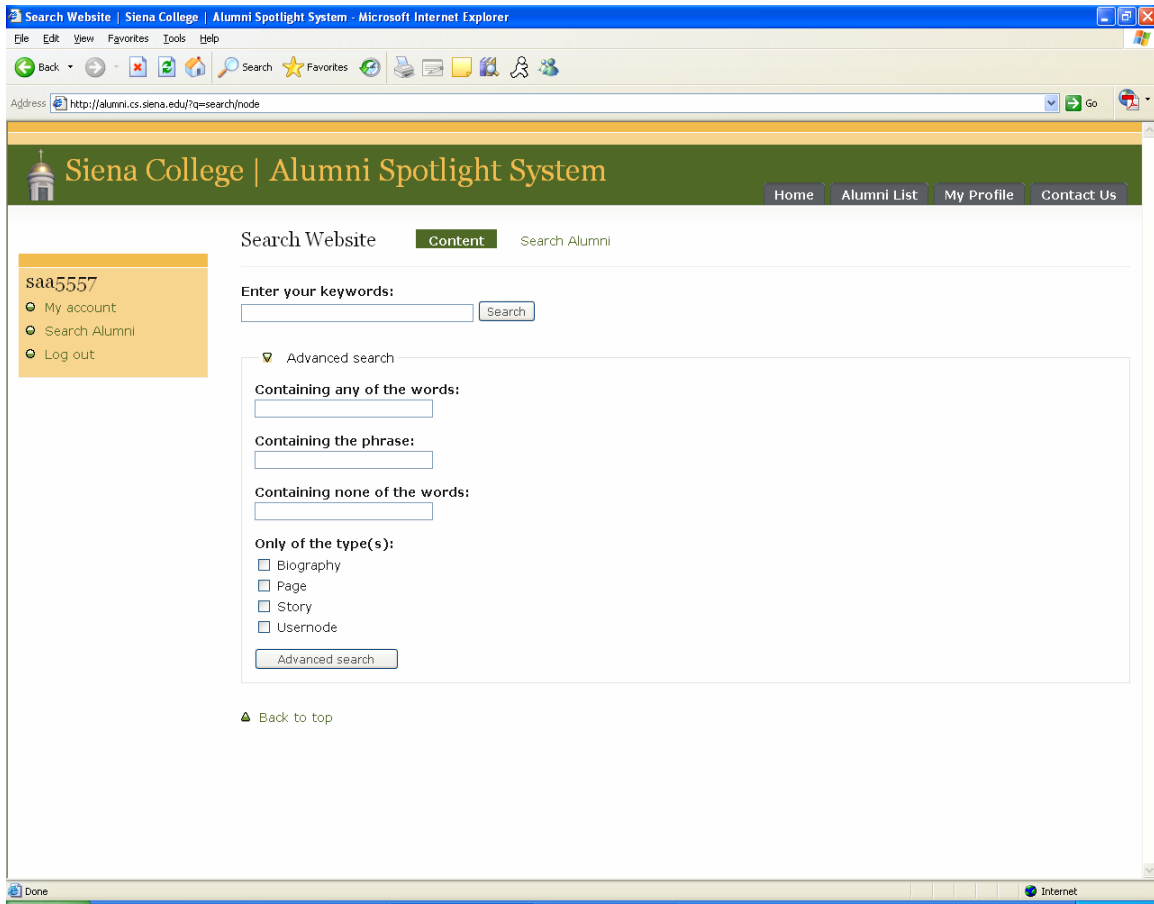
This is the screen that will be returned to a user who has done a search – both for users and content – and nothing has been found.

Search Yielding Results Screen



This is the screen that will be returned to a user who has done a search – both for users and content – and something has been found.

Search Site Screen



This screen can be found by clicking on the “search” button at the top of the site with out entering any information in the text box. From this screen the user can select to search through the users, or the site’s content to find their string. There is also addition advanced options that the user can select from.

Spotlight Page



This is the newly redesigned Siena College Computer Science homepage. The red square is where the Alumni Spotlight Profiles will be placed upon selection by the administrator.

Welcome Screen

The screenshot shows a web browser window with the address bar displaying `http://alumni.cs.siena.edu/`. The page title is "Siena College | Alumni Spotlight System". The browser's address bar shows the URL `http://alumni.cs.siena.edu/`. The page content includes a header with the site name and navigation links for "Home" and "Contact Us". The main content area features a "Home Page" section with a welcome message: "Welcome to the Computer Science Alumni Spotlight Web System." Below this, a paragraph explains the site's purpose: "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." A second paragraph states: "From all of us here in the Computer Science Department, we would like to thank you once again." The author information is listed as: "- Chris McConnell" and "-- Head Developer | Siena College Alumni Spotlight Web System". On the right side, there is a "User login" box with fields for "Username:" and "Password:", a "Log in" button, and radio buttons for "Create new account" and "Request new password". Below the text is a photograph of a person kneeling on a grassy lawn, possibly participating in a community activity. At the bottom left of the page, there is a "Back to top" link. The browser's status bar at the bottom shows "Done" and "Internet".

This is the screen that anyone will see upon visiting the site and not being logged in. From here the person can read what the site is about, then choose to create a new account or log in if they have already registered. The user can also e-mail the administrator if they forgot their password.

VI. How to use the system

New Users

1. The first time a user goes to our site – <http://alumni.cs.siena.edu> – they will be required to create an account by clicking on “Create New Account”
2. Once in the account page, a user must enter the following items:
 - i. A user name which the user may choose to their liking.
 - ii. An E-mail address which will not be shown to the rest of the community.
 - iii. Their full name to be used for verification that they are a legitimate Siena Alumni later on.
3. With those required fields entered, the user can then choose to fill out any other information about themselves that they wish, and even upload a photo of themselves to go with their information.
4. Upon submission, the user will then be logged in, and taken to the home page where they will be able to search other classmates, or simply browse the users that are registered with the system.

Returning Users

1. Returning users can log in by typing their user name and password into the appropriate boxes, and hit “Log In” to reach the system.
2. If the returning user has lost their password, they can contact the systems administrator to request their password be reset to a new one, which they can then change upon successful login.

Administrative User

1. The administrative user will have to log in with the specified administrator password and username.
2. Upon log in, the admin has multiple options as follows:
 - i. The admin can search the website for users to spotlight like other users of the system.
 - ii. The admin can create new static pages for the site, for example, a new home page or perhaps a description page talking about why this project is important to the college.
- iii. The admin can view, change, or delete user profiles that are considered a joke, or are inappropriate by referring to the control panel.
- iv. The admin control panel can be used to handle multiple types of changes on the site, such as layout schemes, access permissions, menu items, navigation items, and built in roles created by the Initrode team to limit access to certain users. A full list of the

functionality of each administrative menu can be found online, and a link will be provided to our client – Dr. Eric Briemer – for reference on how each part works.

VII. Deliverables

To be delivered with the final version of the Alumni Spotlight Web System are the following items:

A Compact Disc including:

- All directories and files for the team website (including all documents and files posted on the website).
- All directories and files necessary to run the Alumni Spotlight System.
- The final Acceptance test document and Test Results document.

VIII. Source Code

The following is a complete directory listing of all files created during the development process of the Alumni Spotlight Web System. Please note that all source code that has been created or edited by the Initrode Solutions team has been posted on the web at the following address:

http://oraserv.cs.siena.edu/~perm_initrode/documents/project/AlumniSourceCode.doc

- **Alumni.cs.siena.edu**
 - **files**
 - **pictures**
 - picturename.jpg/gif/bmp – pictures uploaded for user profiles
 - **includes**
 - backup-common.inc
 - backup-form.inc
 - bootstrap.inc
 - cache.inc
 - common.inc
 - database.inc
 - database.mysql.inc
 - database.mysqli.inc
 - database.pgsq1.inc
 - file.inc
 - form.inc
 - image.inc

- install.inc
- install.mysql.inc
- install.mysqlcli.inc
- install.pgsql.inc
- locale.inc
- menu.inc
- module.inc
- pager.inc
- path.inc
- session.inc
- tablesort.inc
- theme.inc
- unicode.inc
- xmlrpc.inc
- xmlrpcs.inc
- **misc**
 - **farbtastic**
 - arrow-asc.png
 - arrow-desc.png
 - autocomplete.js
 - blog.png
 - collapse.js
 - drupal.js
 - drupalicon.png
 - favicon.ico
 - feed.png
 - forum-closed.png
 - forum-default.png
 - forum-hot.png
 - forum-new.png
 - forum-sticky.png
 - grippie.png
 - jquery.js
 - maintenance.css
 - menu-collapsed.png
 - menu-expanded.png
 - menu-leaf.png
 - powered-black-135x42.png
 - powered-black-80x15.png
 - powered-black-88x31.png
 - powered-blue-135x42.png
 - powered-blue-80x15.png
 - powered-blue-88x31.png
 - powered-gray-135x42.png
 - powered-gray-80x15.png
 - powered-gray-88x31.png

- print.css
- progress.gif
- progress.js
- tableselect.js
- textarea.js
- throbber.gif
- update.js
- upload.js
- watchdog-error.png
- watchdog-ok.png
- watchdog-warning.png
- xml.png
- **modules**
 - **aggregator**
 - aggregator.css
 - aggregator.info
 - aggregator.install
 - aggregator.module
 - **block**
 - block.css
 - block.info
 - block.module
 - **blog**
 - blog.info
 - blog.module
 - **blogapi**
 - blogapi.info
 - blogapi.module
 - **book**
 - book.css
 - book.info
 - book.install
 - book.module
 - **color**
 - **images**
 - hook.png
 - lock.png
 - color.css
 - color.info
 - color.install
 - color.js
 - color.module
 - **comment**
 - comment.css
 - comment.info

- comment.install
 - comment.module
- **contact**
 - contact.info
 - contact.install
 - contact.module
- **drupal**
 - drupal.info
 - drupal.install
 - drupal.module
- **filter**
 - filter.info
 - filter.module
- **forum**
 - forum.css
 - forum.info
 - forum.install
 - forum.module
- **help**
 - help.css
 - help.info
 - help.module
- **legacy**
 - legacy.info
 - legacy.module
- **locale**
 - locale.css
 - locale.info
 - locale.install
 - locale.module
- **menu**
 - menu.info
 - menu.module
- **node**
 - content_types.inc
 - node.css
 - node.info
 - node.module
- **path**
 - path.info
 - path.module
- **ping**
 - ping.info
 - ping.module

- **poll**
 - poll.css
 - poll.info
 - poll.install
 - poll.module
- **profile**
 - profile.info
 - profile.install
 - profile.module
- **search**
 - search.css
 - search.info
 - search.install
 - search.module
- **statistics**
 - statistics.info
 - statistics.install
 - statistics.module
- **system**
 - admin.css
 - defaults.css
 - system.css
 - system.info
 - system.install
 - system.module
- **taxonomy**
 - taxonomy.info
 - taxonomy.module
- **throttle**
 - throttle.info
 - throttle.module
- **tracker**
 - tracker.css
 - tracker.info
 - tracker.module
- **upload**
 - upload.info
 - upload.module
- **user**
 - user.css
 - user.info
 - user.module
- **watchdog**
 - watchdog.css

- watchdog.info
 - watchdog.module
- personalprofile.inc
- personalprofile.module
- **profiles**
 - **default**
 - default.profile
- **scripts**
 - code-clean.sh
 - code-style.pl
 - cron-curl.sh
 - cron-lynx.sh
- **sites**
 - **all**
 - **modules**
 - **bio**
 - bio.info
 - bio.install
 - bio.module
 - LICENSE.txt
 - README.txt
 - **cck**
 - **po**
 - cck.pot
 - es.po
 - fr.po
 - nl.po
 - ru.po
 - vi.po
 - **theme**
 - field.tpl.php
 - field-field_my_field.tpl.php
 - node-content_example.tpl.php
 - template.php
 - README.txt
 - CHANGELOG.txt
 - content.css
 - content.info
 - content.install
 - content.module
 - content_admin.inc
 - content_copy.info
 - content_copy.module
 - content_crud.inc
 - content_pathauto.inc
 - content_views.inc

- field.php
- fieldgroup.info
- fieldgroup.install
- fieldgroup.module
- LICENSE.txt
- nodereference.info
- nodereference.install
- nodereference.module
- number.info
- number.install
- number.module
- optionwidgets.info
- optionwidgets.install
- optionwidgets.module
- README.txt
- text.info
- text.install
- text.module
- UPGRADE.txt
- userreference.info
- userreference.install
- userreference.module
- **myspace**
 - personalprofile.inc
 - personalprofile.module
- **nodefamily**
 - nodefamily.info
 - nodefamily.install
 - nodefamily.module
 - LICENSE.txt
 - README.txt
 -
- **nodeprofile**
 - nodeprofile.info
 - nodeprofile.module
 - LICENSE.txt
 - README.txt
 -
- **usernode**
 - usernode.info
 - usernode.install
 - usernode.module
 - LICENSE.txt
 - README.txt
 - template.php
- README.txt

- **default**
 - settings.php
 - **themes**
 - **aberdeen**
 - **aberdeen-liquid**
 - favicon.ico
 - logo.png
 - logo2.png
 - screenshot.png
 - style.css
 - **images**
 - bg-admin-panel.gif
 - bg-bar.png
 - bg-bar-white.png
 - bg-block.gif
 - bg-body.gif
 - bg-body-old.gif
 - bg-content-tab.gif
 - bg-header.gif
 - bg-header-tab-bottom-active.gif
 - bg-header-tab-left.gif
 - bg-header-tab-left-active.gif
 - bg-header-tab-left-hover.gif
 - bg-header-tab-right.gif
 - bg-header-tab-right-active.gif
 - bg-header-tab-right-hover.gif
 - bg-main.gif
 - bg-primary-links.gif
 - ico-settings.gif
 - link-arrow-up.gif
 - menu-collapsed.gif
 - menu-expanded.gif
 - menu-leaf.gif
 - watchdog-error.gif
 - watchdog-ok.gif
 - watchdog-warning.gif
- BACKUPstyle.css
- block.tlp.php
- box.tlp.php
- comment.tlp.php
- favicon.ico
- LICENSE.txt
- logo.png
- node.tpl.php
- page.tpl.php
- print.css

- screenshot.png
- screenshot-drupal.png
- style.css
- template.php
- **bluemarine**
 - block.tpl.php
 - box.tpl.php
 - comment.tpl.php
 - logo.png
 - node.tpl.php
 - page.tpl.php
 - screenshot.png
 - style.css
- **chameleon**
 - **marvin**
 - bullet.png
 - drupal-watermark.png
 - logo.png
 - screenshot.png
 - style.css
 - background.png
 - chameleon.theme
 - common.css
 - logo.png
 - screenshot.png
 - style.css
- **engines**
 - **phptemplate**
 - block.tpl.php
 - box.tpl.php
 - comment.tpl.php
 - default.tpl.php
 - node.tpl.php
 - phptemplate.engine
- **garland**
 - **color**
 - base.png
 - color.inc
 - preview.css
 - preview.png
 - **images**
 - bg-bar.png
 - bg-bar-white.png
 - bg-content.png
 - bg-content-left.png

- bg-content-right.png
- bg-navigation.png
- bg-navigation-item.png
- bg-navigation-item-hover.png
- bg-tab.png
- body.png
- gradient-inner.png
- menu-collapsed.gif
- menu-expanded.gif
- menu-leaf.gif
- **minnelli**
 - **color**
 - base.png
 - color.inc
 - preview.png
 - logo.png
 - screenshot.png
 - style.css
- block.tpl.php
- comment.tpl.php
- fix-ie.css
- logo.png
- node.tpl.php
- page.tpl.php
- print.css
- screenshot.png
- style.css
- template.php
- **pushbutton**
 - arrow-next.png
 - arrow-next-hover.png
 - arrow-next-visited.png
 - arrow-prev.png
 - arrow-prev-hover.png
 - arrow-prev-visited.png
 - arrow-up.png
 - arrow-up-hover.png
 - arrow-up-visited.png
 - background.png
 - block.tpl.php
 - box.tpl.php
 - comment.tpl.php
 - forum-container.jpg
 - forum-link.png
 - header-a.jpg

- header-b.jpg
- header-c.png
- icon-block.png
- icon-comment.png
- logo.png
- logo-active.jpg
- logo-background.jpg
- logo-hover.jpg
- node.tpl.php
- page.tpl.php
- screenshot.png
- style.css
- tabs-off.png
- tabs-on.png
- tabs-option-hover.png
- tabs-option-off.png
- tabs-option-on.png
- **spotlight**
 - **People**
 - **_img**
 - **_inc**
 - **files**
 - index.php
 - spotlight.php
- CHANGELOG.txt
- cron.php
- index.php
- INSTALL.mysql.txt
- INSTALL.pgsql.txt
- install.php
- INSTALL.txt
- LICENSE.txt
- MAINTAINERS.txt
- p_0012.jpg
- robots.txt
- update.php
- UPGRADE.txt
- xmlrpc.php

IX. Sources of Information

Major sources of information for this project include the module readme files located at www.drupal.org. In addition, www.w3schools.com was often used as a

general purpose reference in the areas of PHP, HTML, and SQL. In addition to these technical websites, www.google.com was also a commonly used tool to find short answers to relatively simple questions.

Other very important information (on a wide variety of topics) was obtained from people who are considered experts in their field. These experts include Mr. Ken Swarner, Mr. Eric Crossman, Dr. Eric Breimer and Dr. Tim Lederman.

Glossary of Terms

Cascading Style Sheets (CSS) – These are used to describe a specific style for a web page or set of pages, a website.

Code - The symbolic arrangement of data or instructions in a computer program or the set of such instructions.

Content Management System (CMS) – Web based management system that will allow the team and webmaster to edit, modify, and remove profiles and web pages.

Data Flow Diagram – A representation of the functional decomposition of a system.

Database - A collection of data arranged for ease and speed of search and retrieval.

Domain Name Server (DNS) - A general-purpose distributed, replicated, data query service chiefly used on Internet for translating hostnames into Internet addresses. Also, the style of hostname used on the Internet, though such a name is properly called a fully qualified domain name. DNS can be configured to use a sequence of name servers, based on the domains in the name being looked for, until a match is found.

Drupal – An open-source content management system that is versatile and allows the user to personalize a network of profiles. There are several different themes and colors for visual effects. Drupal comes with the ability to handle self-registration pages, blogs, and easy file uploading. It allows the profiles to be organized into separate categories and to set permissions for the profiles. Lastly, Drupal has the ability to track changes made to the user profiles. The administrator will be able to view all of these changes

Extensible Hypertext Markup Language (XHTML) – has same capabilities of HTML but is more restricted to allow for conformity among multiple platforms.

Gantt chart - A chart that depicts progress in relation to time, often used in planning and tracking a project.

GD Library - GD is an open source code library for the dynamic creation of images by programmers. GD is written in C, and "wrappers" are available for Perl, PHP and other languages. GD creates PNG, JPEG and GIF images, among other formats. GD is commonly used to generate charts, graphics, thumbnails, and most anything else, on the fly. While not restricted to use on the web, the most common applications of GD involve web site development.

Hypertext Markup Language (HTML) – Predominant markup language used for the creation of webpages.

Integration Test - the process in Software Engineering when individual modules are combined and tested as a group.

Internet - An interconnected system of networks that connects computers around the world via the TCP/IP protocol.

Internet Explorer (IE) – Microsoft based program used for browsing the internet.

Linear Sequential Model / Classic Waterfall Model – A systematic, sequential approach to software development that begins at the system level and progresses through analysis, design, coding, testing, and support.

Lynx - a text based browser for the World Wide Web.

Mailto - The name assigned to the html tag that is responsible for allowing someone to click on a word or words and then directly send an email message from the web.

Markup Languages – Combines a set of text, along with extra information about this text, such as formatting.

MySQL – A Multithreaded, multi-user SQL Database Management System.

PHP Hypertext Preprocessor (PHP) – An open source (free) programming language that is used for dynamic pages and is a high-level scripting language.

Portal – a specific kind of Content Management System Web site, password protected to allow Site Administrators to edit text, images and other content as and when necessary. This allows easy updating of the website content without the need to learn programming code.

Profiles – User created accounts that will be customizable according to each specific person.

Pseudocode - A notation resembling a programming language but not intended for actual compilation. It usually combines some of the structure of a programming language with an informal natural-language description of the computations to be carried out.

Regression Testing - testing that is meant to uncover errors that may occur when one feature of an application is changed.

Transmission Control Protocol/Internet Protocol (TCP/IP) - A communications protocol for computer networks, the main protocol for the Internet.

Unit Test - a procedure used to validate that individual modules or units of source code are working properly.

Web log - an online journal comprised of links and postings in reverse chronological order, meaning the most recent posting appears at the top of the page. Also known as a blog.

