I. External Design Specifications

User displays and report formats

Administrator Home Page Screen

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 McComie
-- Head Developer | Siena College Alumni Spotlight Web System

Back to top
## Administrator Access Control Screen

### 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.

<table>
<thead>
<tr>
<th>Permission</th>
<th>admin user</th>
<th>anonymous user</th>
<th>authenticated user</th>
</tr>
</thead>
<tbody>
<tr>
<td>block module</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>administer blocks</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>use PHP for block visibility</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>comment module</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>access comments</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>administer comments</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>post comments</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>post comments without approval</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>filter module</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>administer filters</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>menu module</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>administer menu</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>node module</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>access content</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>administer content types</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>administer nodes</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>create bio content</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>create page content</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>edit story content</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>edit bio content</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>edit own bio content</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>site building</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>site configuration</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>site settings</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>user management</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>user roles</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>user settings</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Drupal Admin

- Create content
- Search users
- My account
- Administrator
  - Content management
  - Site building
  - Site configuration
  - User management
    - Access control
    - Access roles
    - Profiles
    - Roles
    - Users
    - User settings
- Login
- Help
- Log out
Administrator Main Menu Screen

- 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 factory: 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 title/teaser/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 modules used 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:
Detailed Design – Part I

Administrator Menus Screen

![Administrator Menus Screen](image)

### Menus

Menus are a collection of links (menu items) used to navigate a website. The list(s) below display the currently available menus along with their menu items. Select an operation from the list to manage each menu or menu item.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Expanded</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home</td>
<td></td>
<td>edit</td>
</tr>
<tr>
<td>My Profile</td>
<td></td>
<td>disable</td>
</tr>
<tr>
<td>User list</td>
<td>No</td>
<td>reset</td>
</tr>
<tr>
<td>Contact Us</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Primary links

- **Edit**
- **Delete**
- **Add Item**

### Navigation

- **Add Item**

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Expanded</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composite topics (disabled)</td>
<td></td>
<td>enable</td>
</tr>
<tr>
<td>Content (disabled)</td>
<td>No</td>
<td>enable</td>
</tr>
<tr>
<td>- Create content</td>
<td>No</td>
<td>edit</td>
</tr>
<tr>
<td>- Biography (disabled)</td>
<td></td>
<td>enable</td>
</tr>
<tr>
<td>- Page</td>
<td>edit</td>
<td>enable</td>
</tr>
<tr>
<td>- Story</td>
<td>edit</td>
<td>double</td>
</tr>
<tr>
<td>Search (disabled)</td>
<td></td>
<td>enable</td>
</tr>
<tr>
<td>Search content (disabled)</td>
<td></td>
<td>enable</td>
</tr>
<tr>
<td>Search users</td>
<td>edit</td>
<td>double</td>
</tr>
</tbody>
</table>

---

Initrode Solutions
Administrator Menu Building Screen

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.
Administrator Recent Events Screen
Administrator Settings Screen

Site configuration

- Administrator 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
  - Choose which image toolkit to use if you have installed optional toolkits.
- Input formats
  - Configure how content input by users is filtered, including allowed HTML tags, PHP code tags. Also allows enabling of module-provided filters.
- Performance
  - Enable or disable page caching for anonymous users, and enable or disable CSS preprocessor.
- Search settings
  - Configure relevancy settings for search and other indexing options.
- Site information
  - Change basic site information, such as the site name, slogan, e-mail address, mission, front page and more.
- Site maintenance
  - Take the site offline for maintenance or bring it back online.
  - Back to top
### Administrator Modules Screen

#### Modules

Modules are plugins for Drupal that extend its core functionality. Here you can select which modules are enabled. Click on the name of the module in the navigation menu for their individual configuration pages. Once a module is enabled, new permissions might be made available. Modules can automatically be temporarily disabled to reduce server load when your site becomes extremely busy by enabling the throttle module and checking 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.

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

The Administrator Users Screen allows administrators to manage users of the Alumni Spotlight Web System. It enables the creation, deletion, and modification of user accounts, and provides options to filter and sort users based on various criteria such as role, status, and permissions.

- **Role**: Users can be assigned different roles, such as 'admin user', 'editor', or 'anonymous'.
- **Status**: Users can be marked as 'active' or 'inactive'.
- **Permission**: Users can be granted specific permissions to access certain parts of the system.
- **Login**: Users can be added or removed from the system.

The table below lists the current users with their roles, status, member since, last access, and operations:

<table>
<thead>
<tr>
<th>Username</th>
<th>Status</th>
<th>Roles</th>
<th>Member since</th>
<th>Last access</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>56562452</td>
<td>active</td>
<td>admin user</td>
<td>2 weeks 1 day</td>
<td>2 weeks 1 day ago</td>
<td>edit</td>
</tr>
<tr>
<td>56562452</td>
<td>active</td>
<td>admin user</td>
<td>2 weeks 1 day</td>
<td>2 weeks 1 day ago</td>
<td>edit</td>
</tr>
<tr>
<td>d25565</td>
<td>active</td>
<td></td>
<td>2 weeks 1 day</td>
<td>1 week 3 days ago</td>
<td>edit</td>
</tr>
<tr>
<td>s455555</td>
<td>active</td>
<td></td>
<td>2 weeks 3 days</td>
<td>5 min 6 sec ago</td>
<td>edit</td>
</tr>
<tr>
<td>drupaladmin</td>
<td>active</td>
<td>admin user</td>
<td>3 weeks 18 hours</td>
<td>1 sec ago</td>
<td>edit</td>
</tr>
</tbody>
</table>

Below the table, there is a link to return to the top of the page.
Detailed Design – Part I

Browse User List Screen
Comments Screen
Contact Us Screen

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 your default email browser will open so you can send an email message.

Click here to email the administrator

Thank you for your support.

— Chris McCarron
— Head Developer | Siena College Alumni Spotlight Web System

▲ back to top
Edit Profile Screen
Edit Profile Screen Continued
Detailed Design – Part I

User Home Page Screen

Home Page

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
Forgotten Password Screen
Profile Page Screen
Profile Page Screen Continued

- **Major:** Computer Science
- **Minor:** Math
- **Favorite Class:** Web Design
- **Favorite Teacher:** Dr. Breiter
- **Least Favorite Class:** Algorithms
- **Graduate School:** None
- **Siena Experience:** It was totally nifty

**Personal Information**

- **Full Name:** Anthony Angiuli
- **E-mail Address:** sa45557@sienna.edu
- **Home Address:** 13 Barbara Lane
- **Phone Number:** 555-555-5555
- **Favorite Quote:** I love software engineering

**History**

- **Member for:** 2 weeks 3 days
  - Back to top
Registration Screen

Please note: All users who are registering with this system are willing to allow Siena College 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.
Registration Screen Continued

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:

Confirms password:
Provide a password for the new account in both fields.

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:
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.

Email Confirmation:
### Registration Screen Continued

**College**
- **Graduation Year**: Enter the year you graduated from Sienna.
- **Major**: Enter your major while at Sienna College.
- **Minor**: Any minor(s) you had while at Sienna College.
- **Favorite Class**: Enter your favorite class while at Sienna.
- **Favorite Teacher**: Enter your favorite teacher while at Sienna.
- **Least Favorite Class**: Enter your least favorite class at Sienna.
- **Graduate School**: If applicable, what graduate school did you, or are you attending.

**Sienna Experience**
Talk about your college experience at Sienna College.

**Personal Information**
- **Full Name**: Enter your full name here.
- **E-mail Address**: Enter your email address here.

**Home Address**
Search Users Screen
Search Yielding No Results Screen
Search Yielding Results Screen
Search Site Screen
Welcome Screen

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

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User command summary

Administrator Home Page Screen

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

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

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

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

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

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

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

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 “user list.” This will return a list of all the users that have been registered with the system, including their profile picture, and some information from their profile for easy viewing/browsing of the alumni in our system.

**Comments Screen**

This is a test module to possibly be added to the user(s)’ profile(s). We are attempting to allow users to “comment” on each other’s profiles, leaving messages for them to see. This module is currently buggy, and does not always work; therefore the designated path has not been created. This will load occasionally in the correct manner within the users’ profile page.

**Edit Profile Screen**

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.

**Contact Us Screen**

This screen will be accessed when the user clicks the Contact Us link on their User Home Page Screen. This feature is used in order to allow the user to ask the administrator a question or just leave the administrator a comment. When the user hits the Submit button, an e-mail will be sent to the administrator.

**User Home 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.
Forgotten Password Screen

The purpose of this screen is to give the user the ability to recover a lost or forgotten password. This screen contains two fields, via default, but will contain only one for our purposes. The user must enter their registered email address, and we will send them a new password which will act as the registration process has, where they will be given a link, and can then change their password to something they will remember.

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.

Registration Screen

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.

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 of the following information (regarding the user they are searching for): name, e-mail address, or graduation year. The more information the user enters, the more specific the results that are returned will be. This screen will be accessed by clicking on the Search link located on the users Home/My Account Screen.

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
Detailed Design – Part I

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 without 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 additional advanced options that the user can select from.

Welcome Screen

This is the main 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 register, or log in if they have already registered with the system.