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Alumni Spotlight Web System

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

Detailed Design

by

Initrode Solutions

03/06/2007

Welcome

Dr. Eric Breimer

Webmaster

Assistant Professor

Siena College

Department of Computer Science

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Team Organization

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

Agenda

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

Introduction

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

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Database Introduction

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

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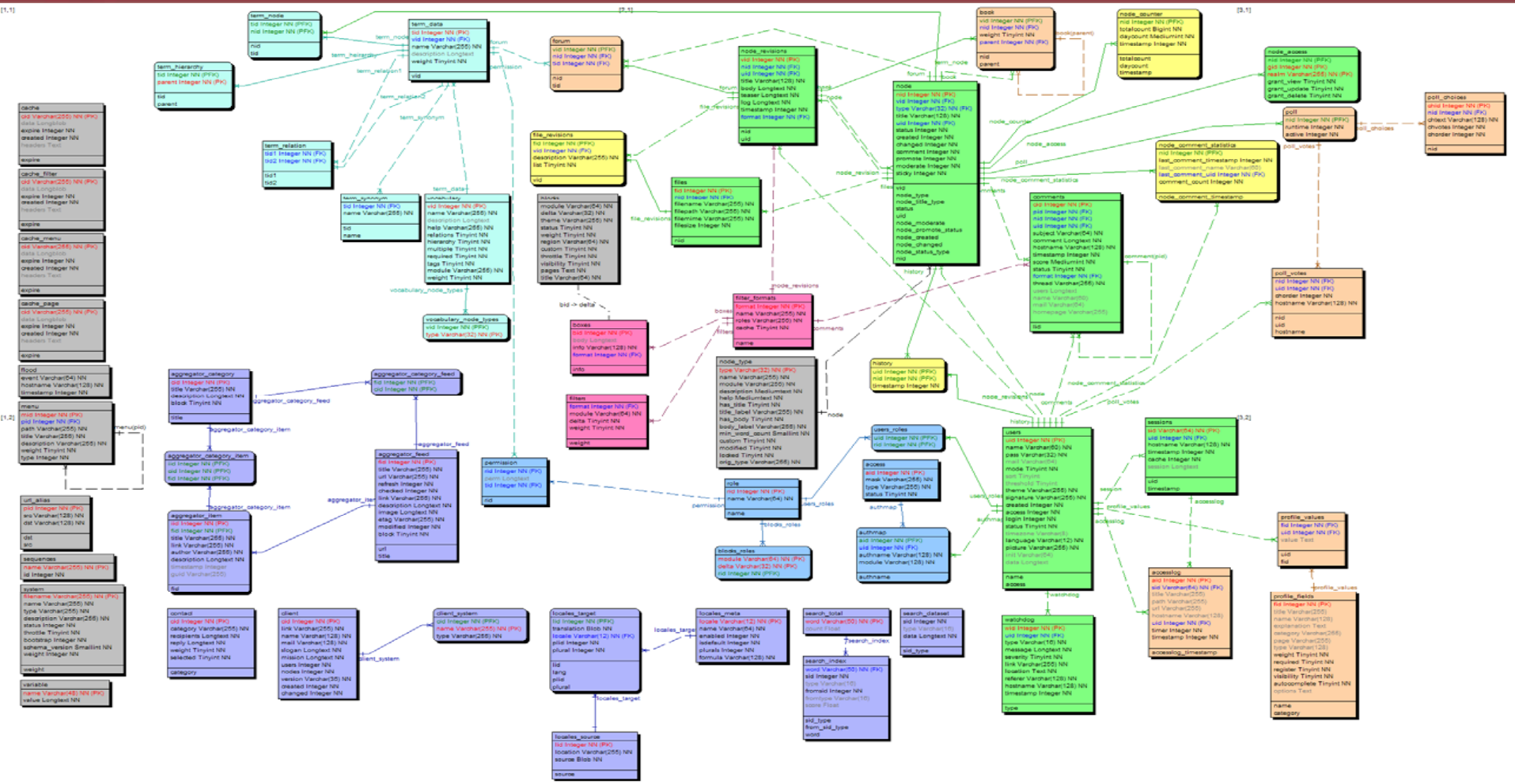
Relationship Diagram



Logical Data Stores

- Example Table fields/types
  - Watchdog Table

Watchdog

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

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Database Table Entries

- Example Data from the Watchdog Table

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

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Testing Objectives

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

Types of Testing

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

Integration Testing

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

Integration Test Example

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

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Prototype

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

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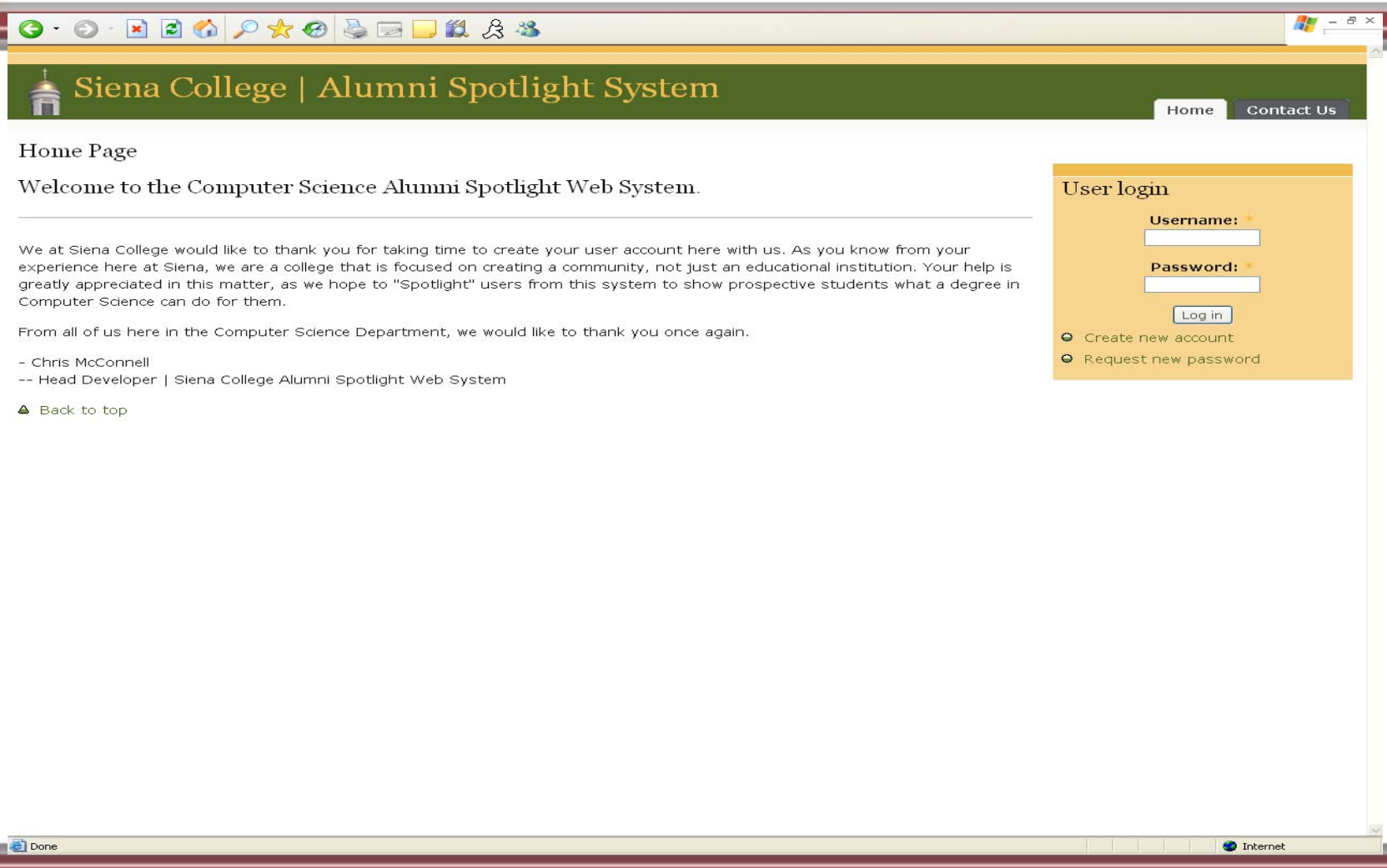
Login Screen



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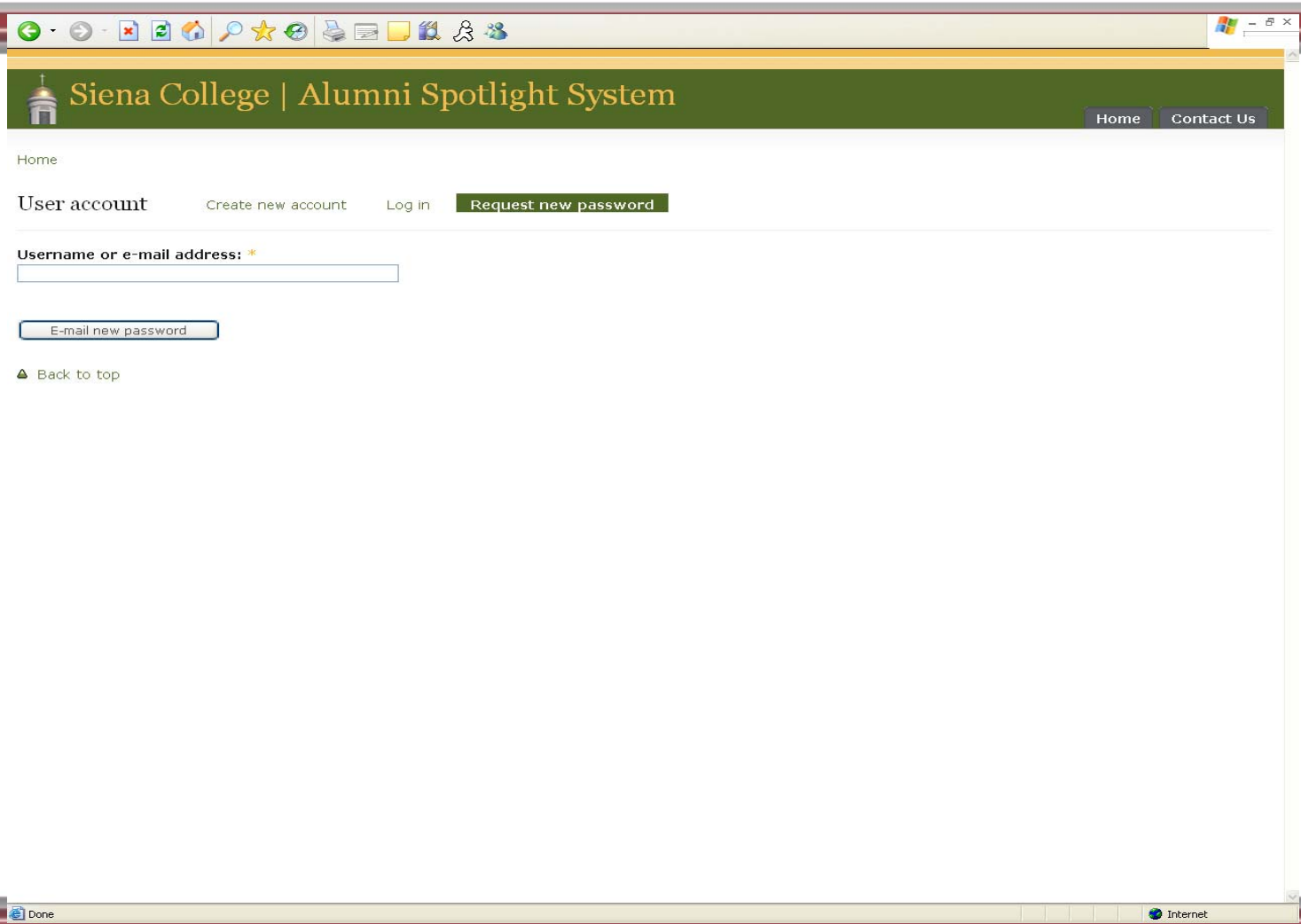
Request Password



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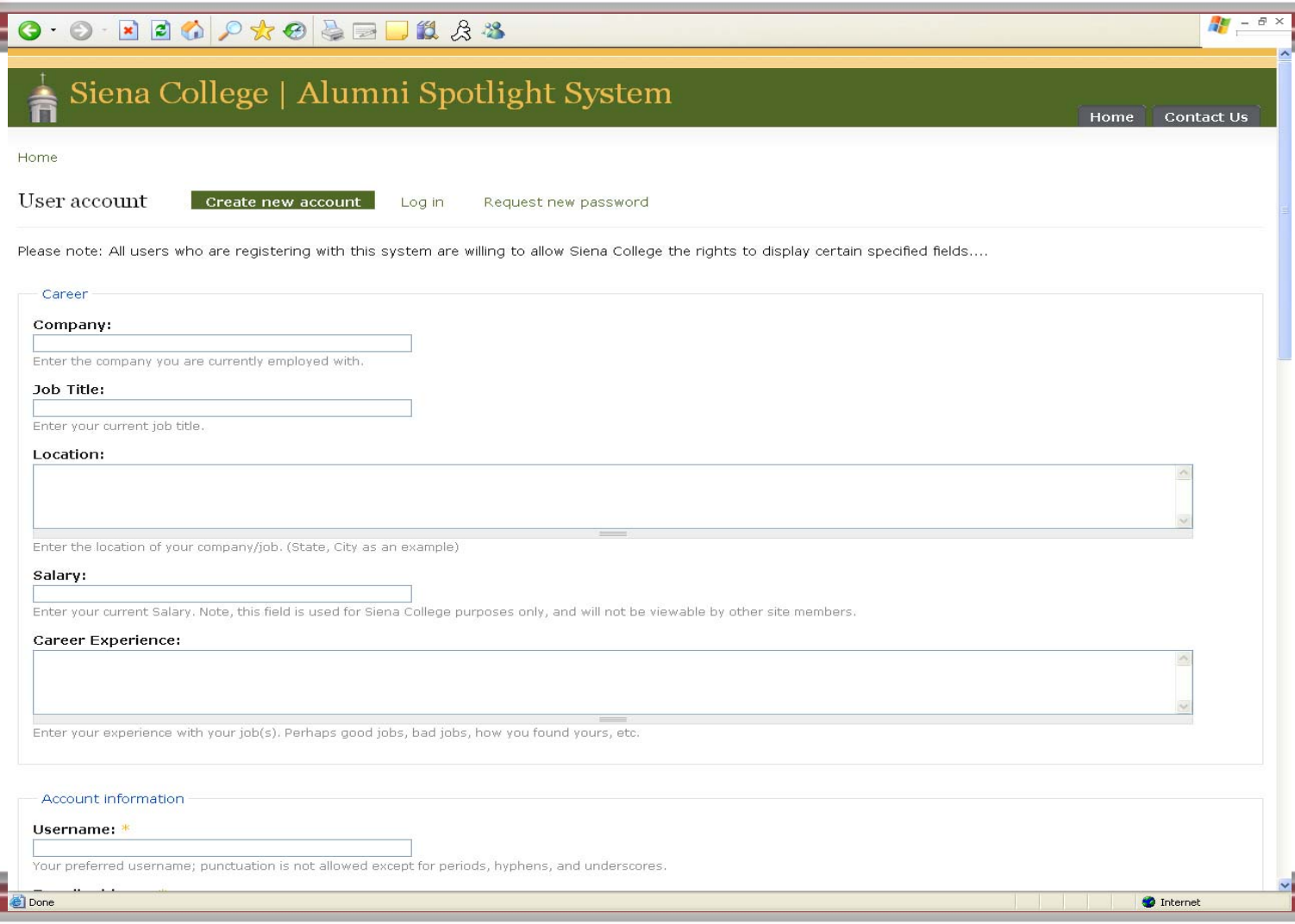
Registration Screen



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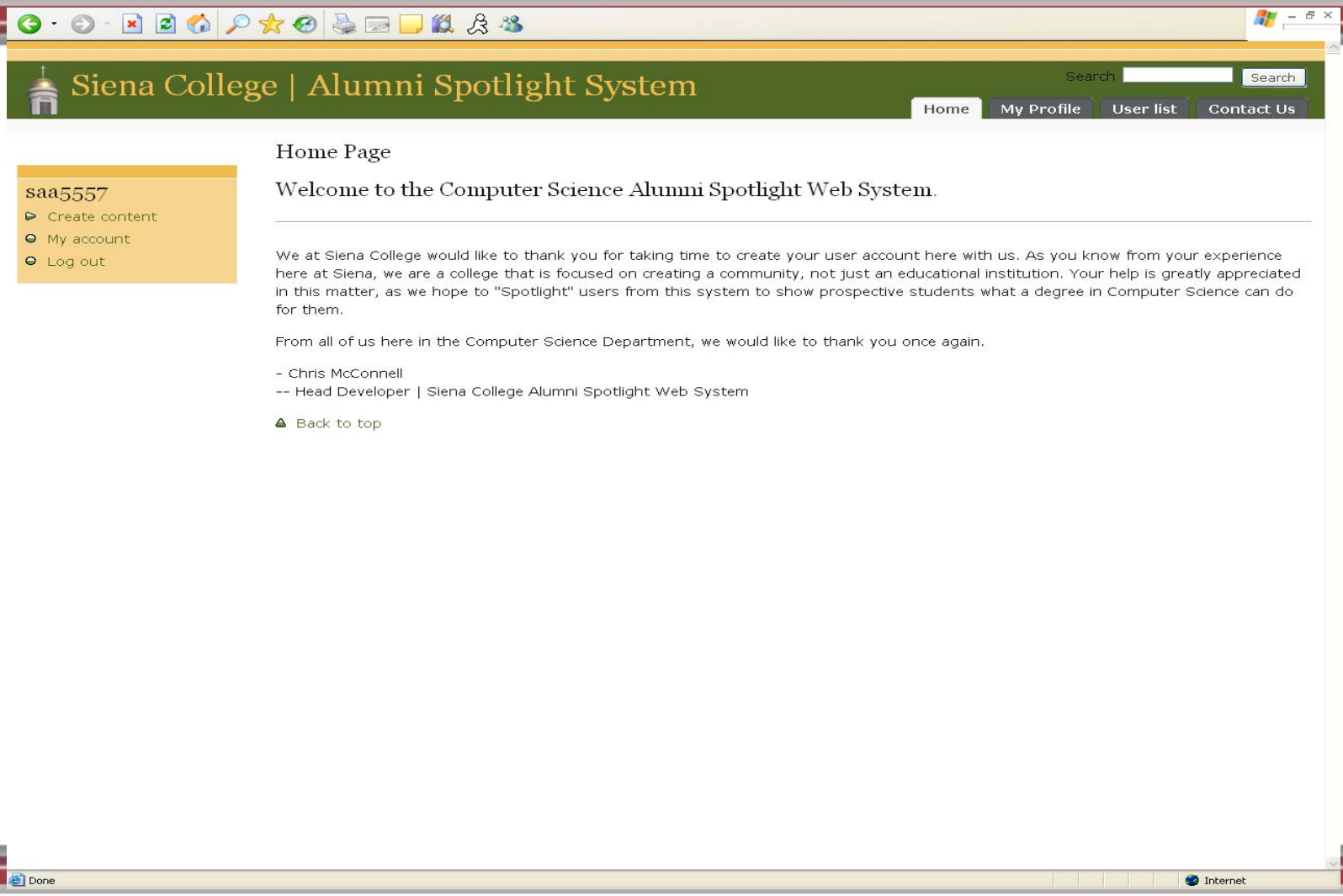
Homepage



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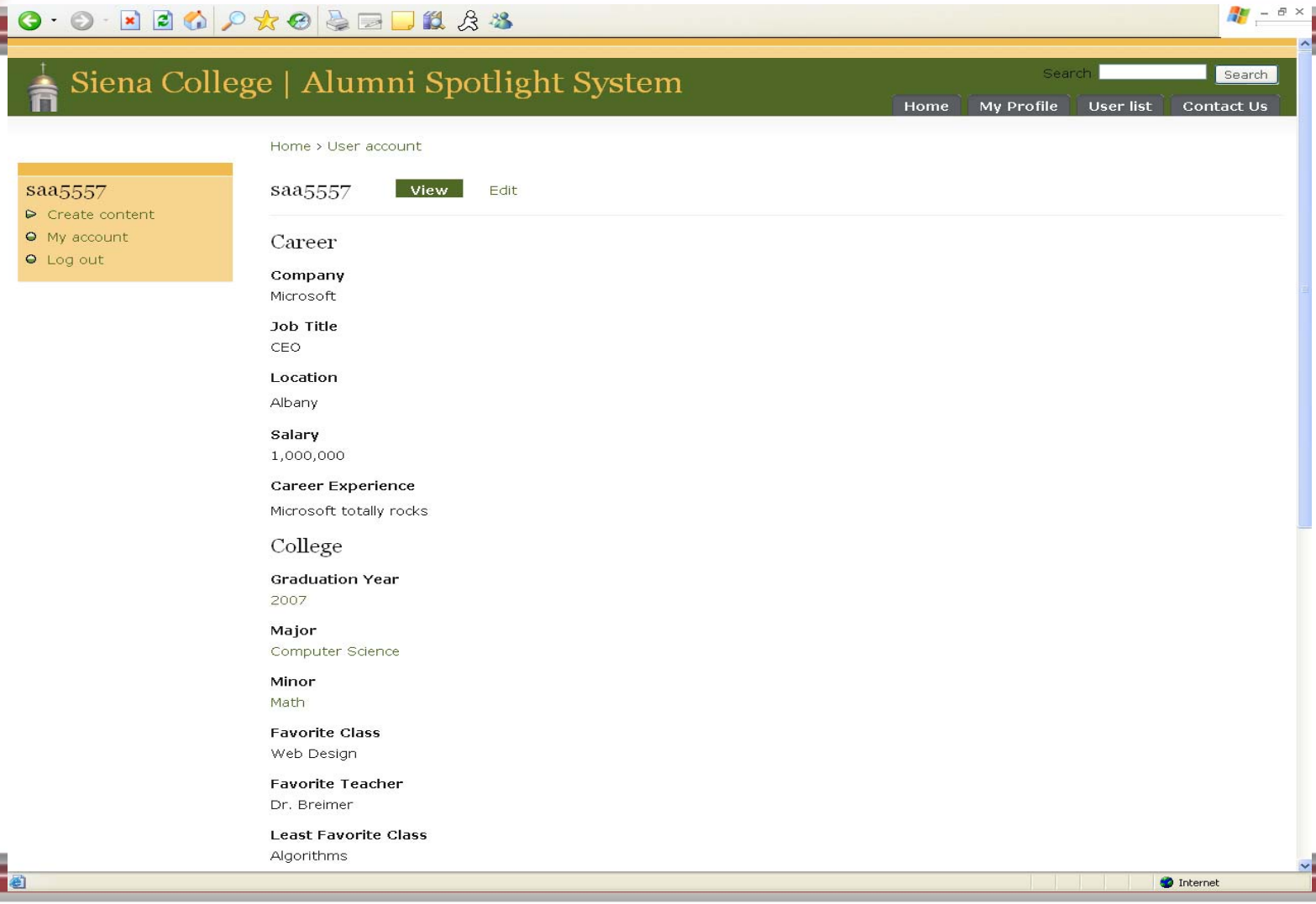
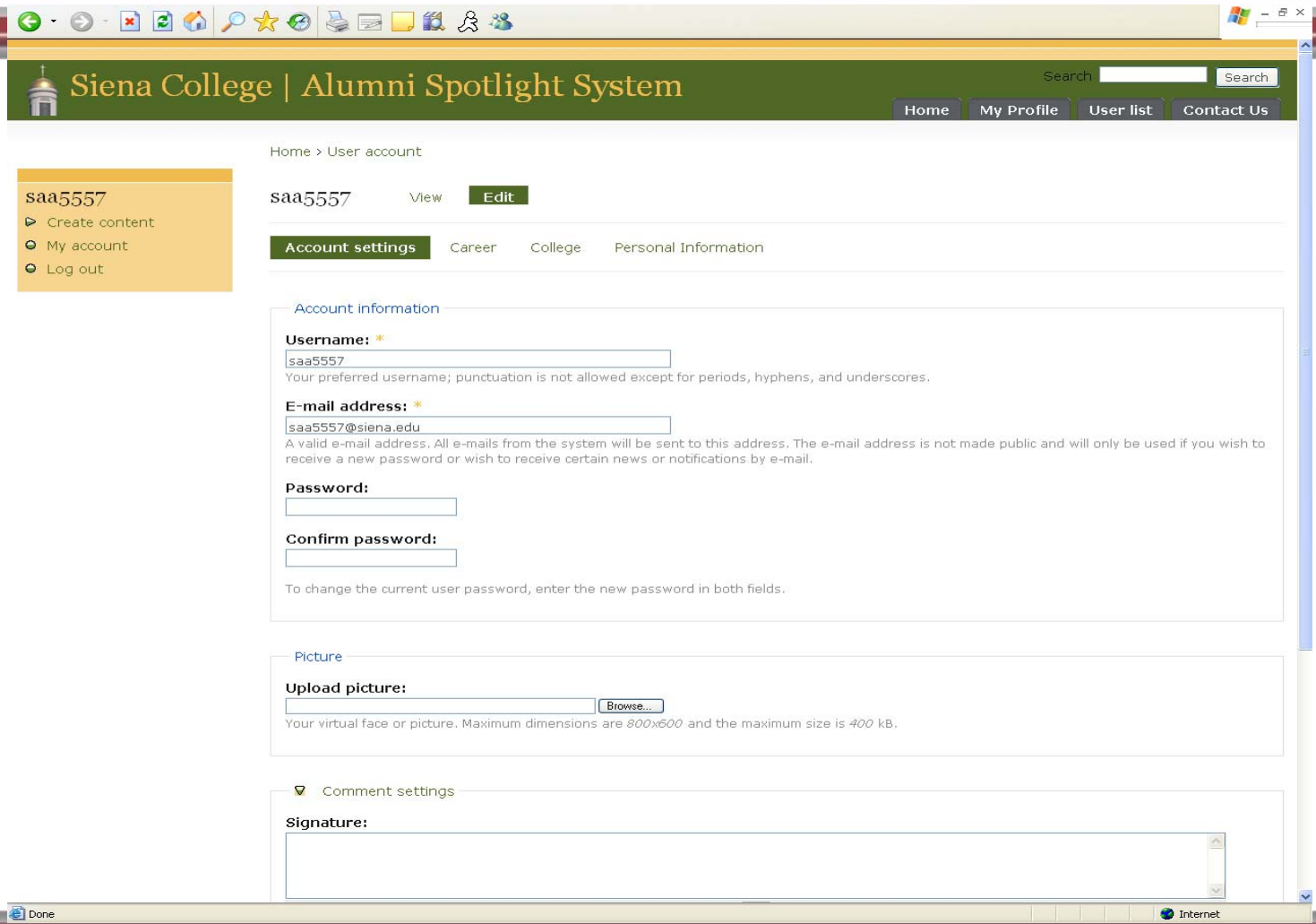
Profile



Edit Profile



User List

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Search Search

Home | My Profile | User list | Contact Us

Home

saa5557
- Create content
- My account
- Log out

user list

saa5557
Microsoft
CEO

Albany

Microsoft totally rocks

2007
Computer Science
Math
Web Design
Dr. Breimer
Algorithms
None

It was totally narly

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

I love software engineering

drupaladmin
Chris McConnell
ct14mcco@siena.edu

ca25felt
2007
Computer Science
Charles Feltes
ca25felt@siena.edu

Done | Internet

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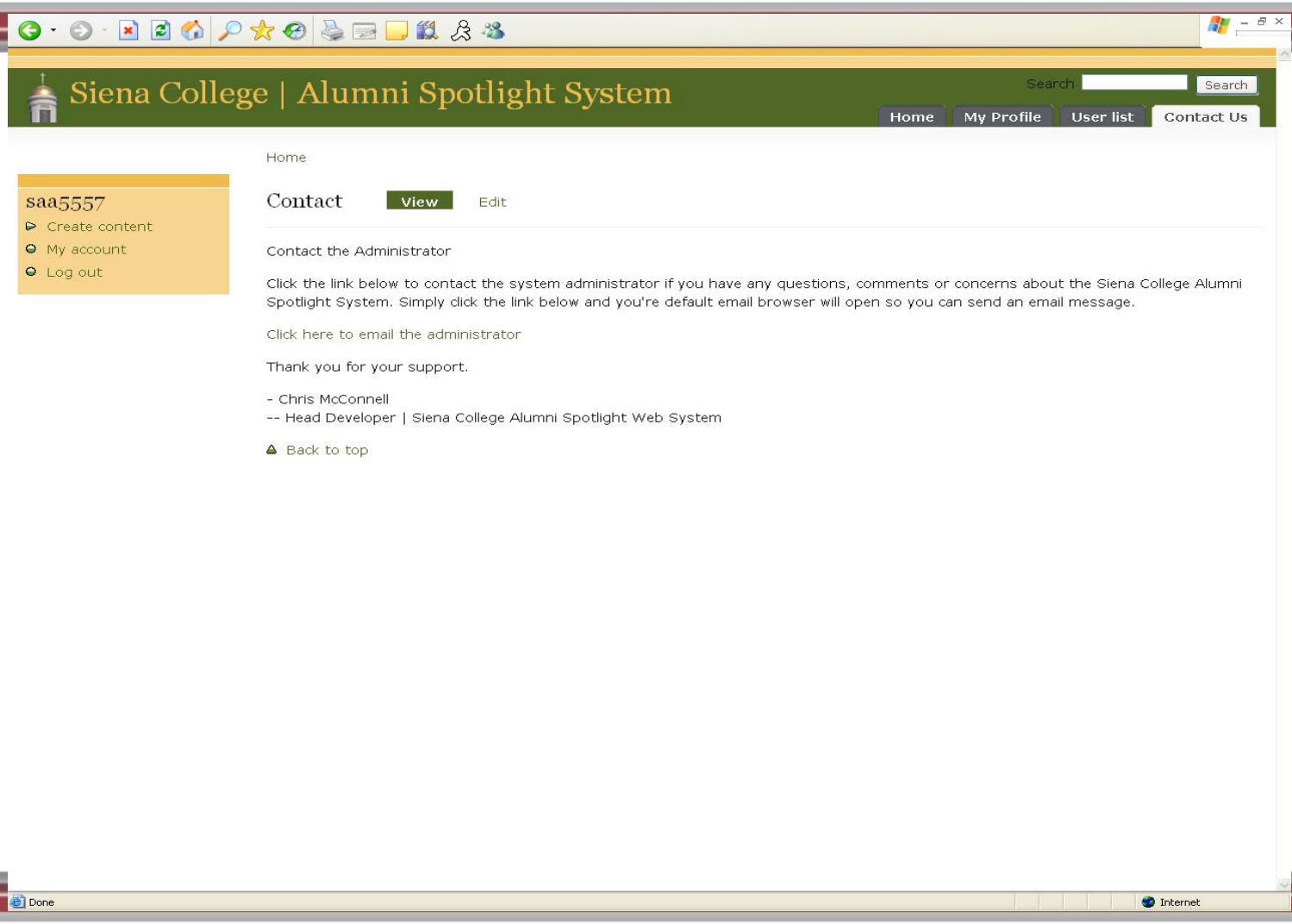
Contact Us



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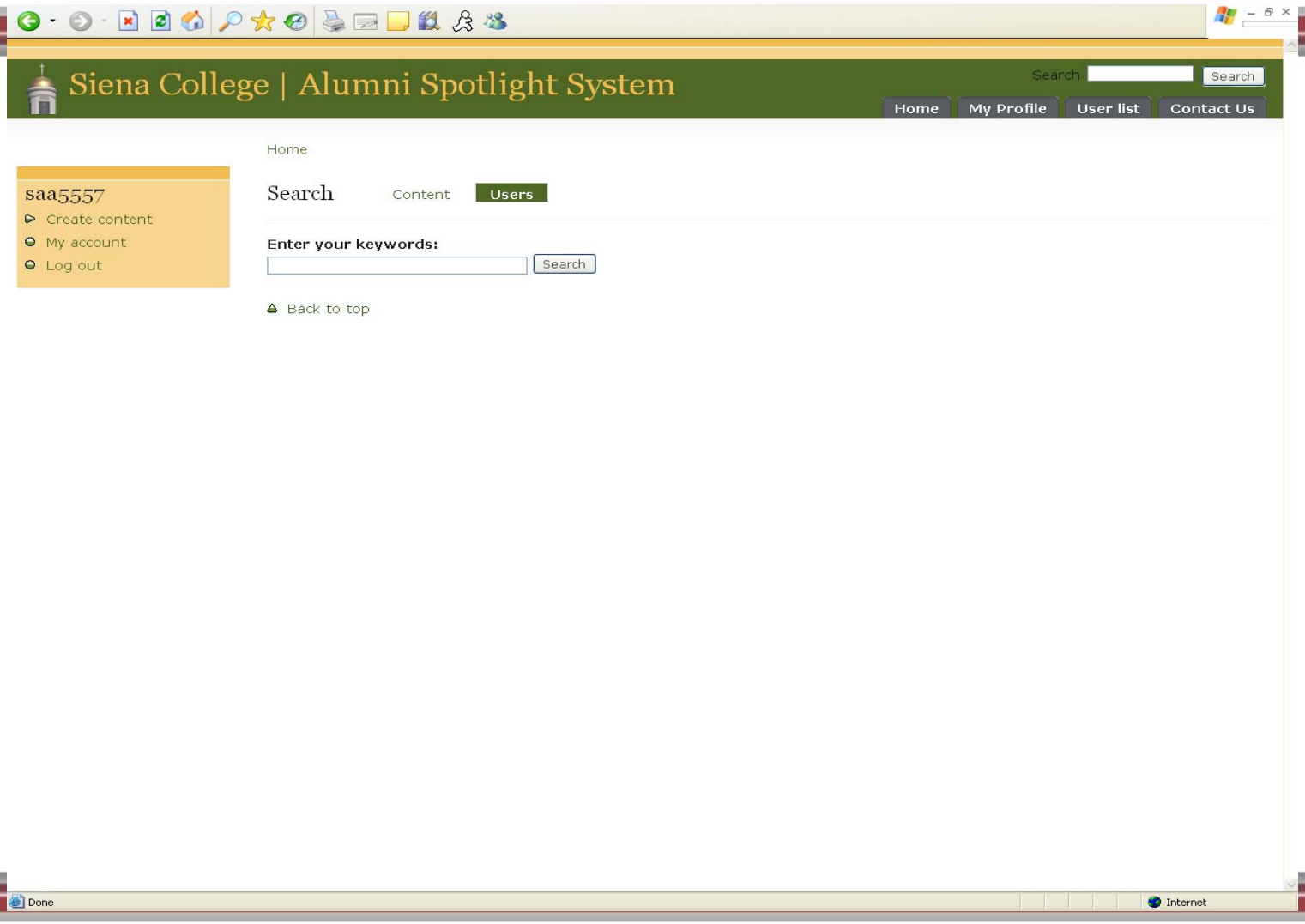
Search



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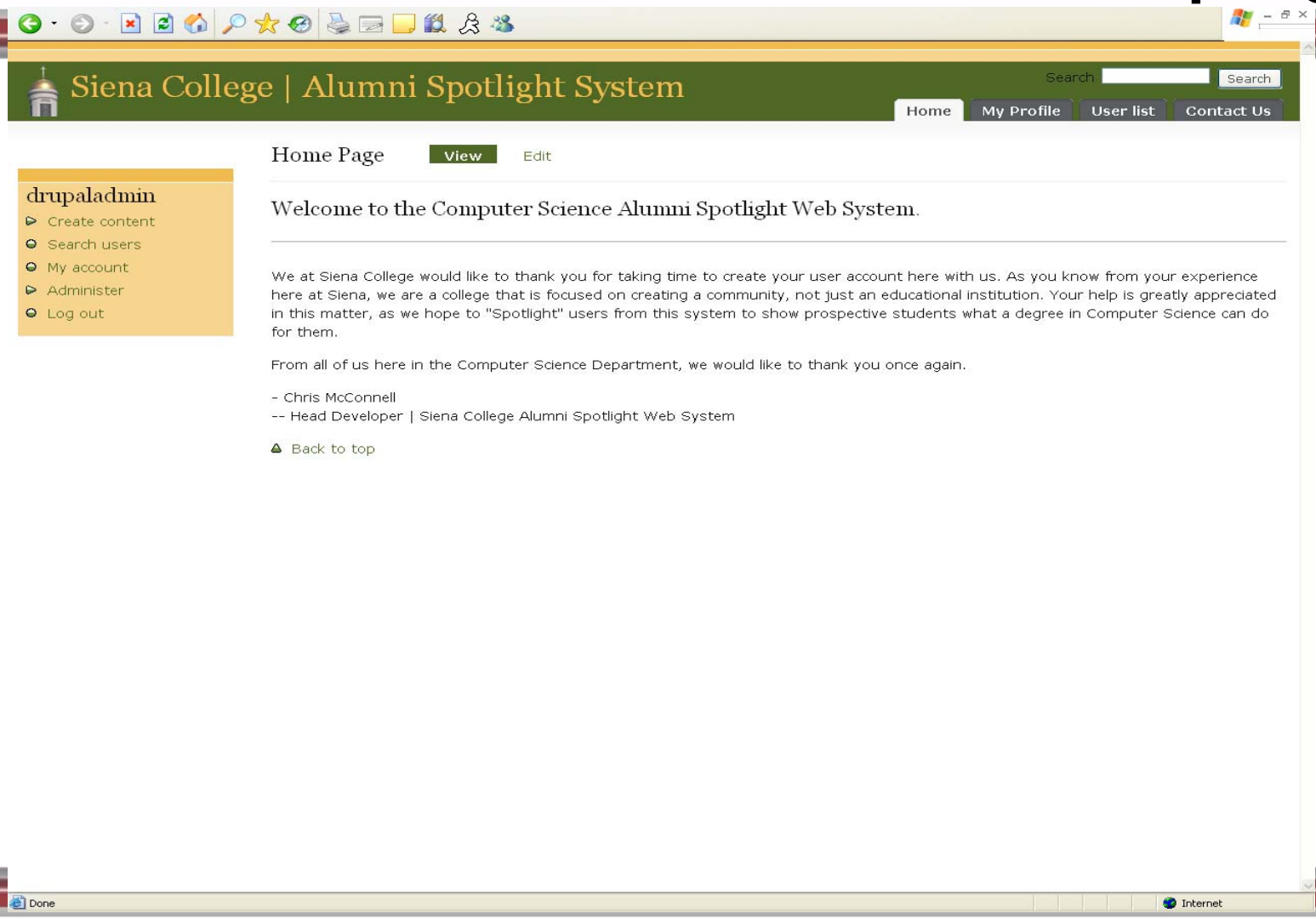
Admin Homepage



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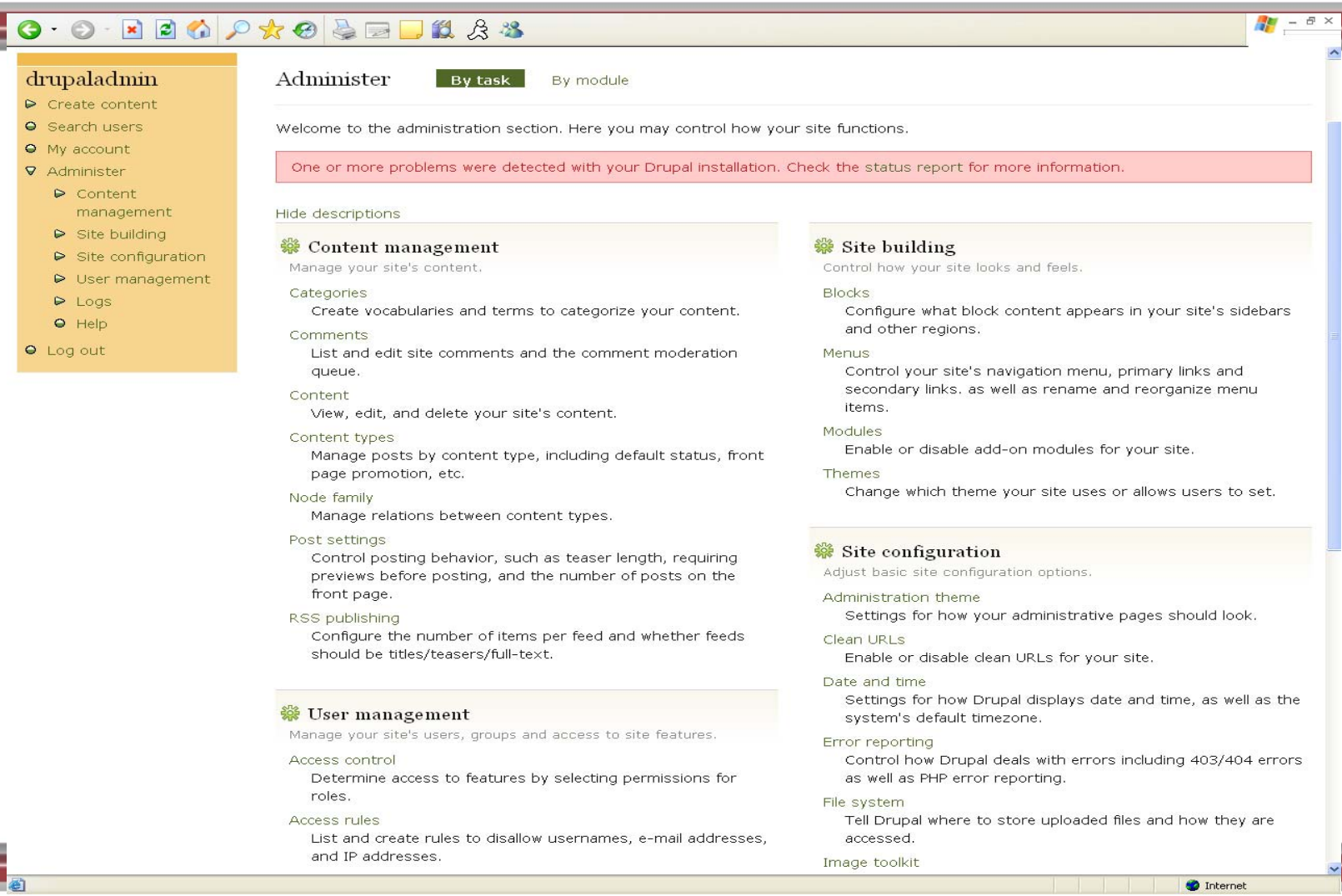
Admin Main Menu



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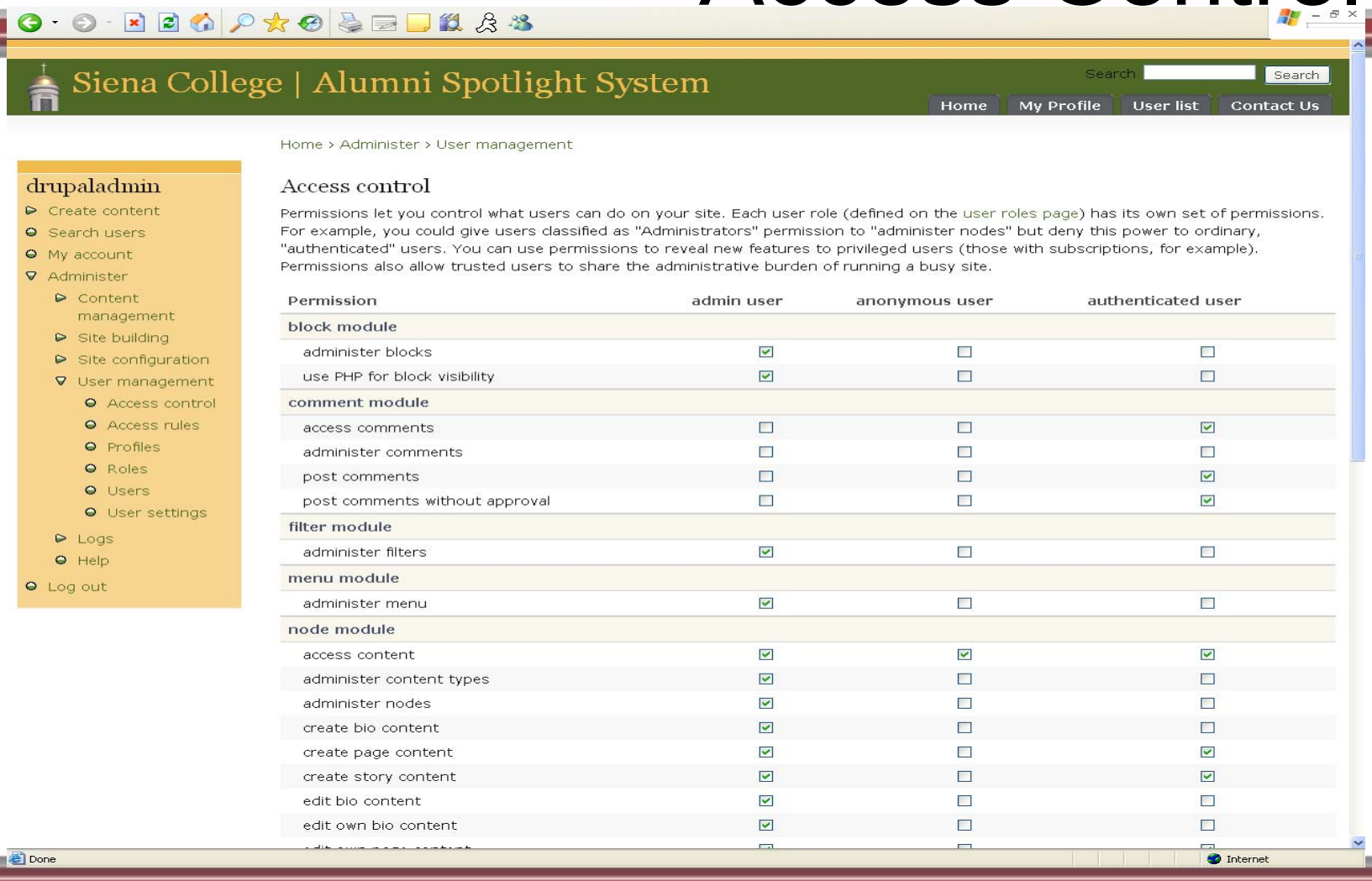
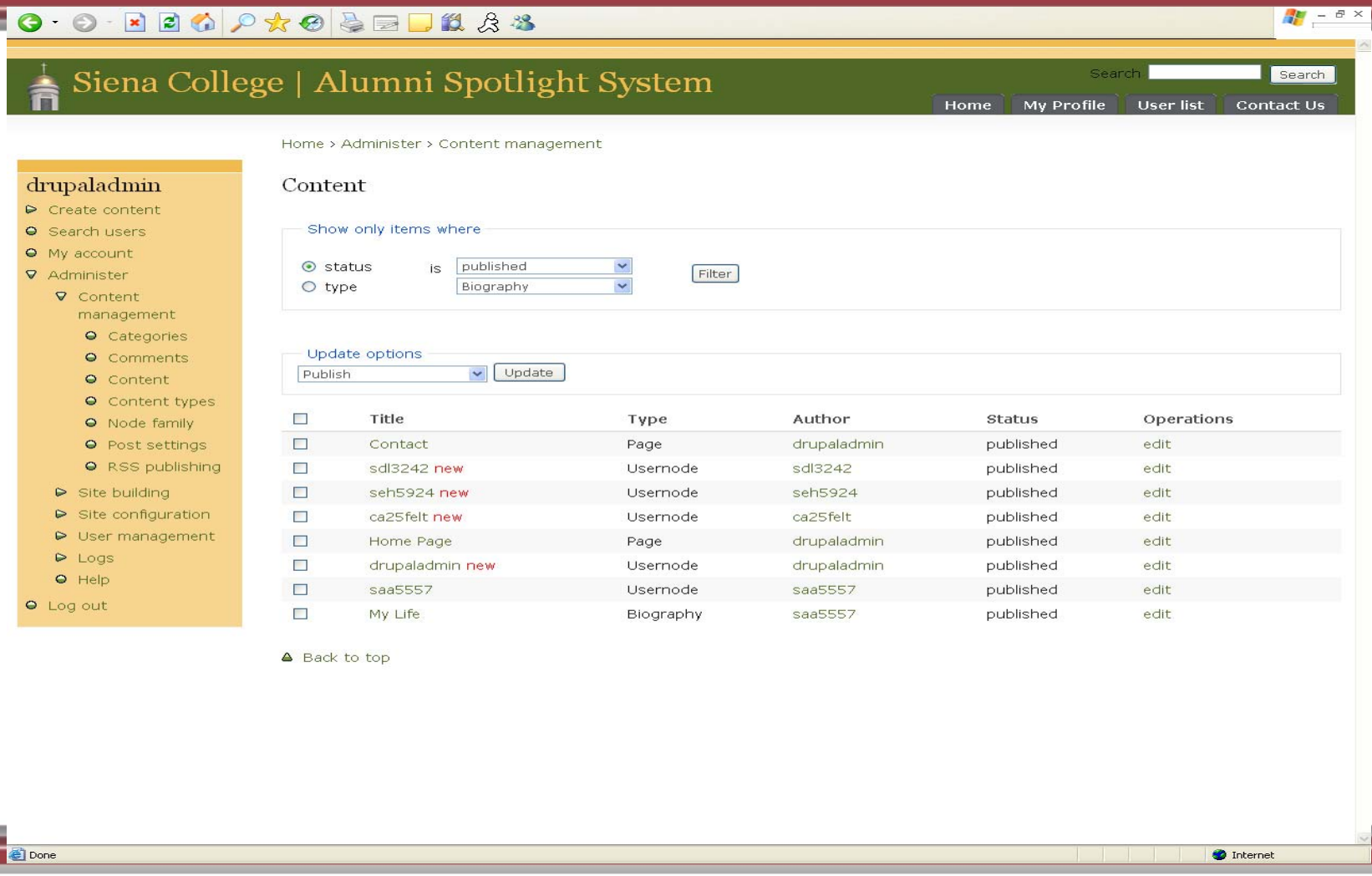
Access Control



Updates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Search
Search
Home
My Profile
User list
Contact Us
Home > Administer > Content management
drupaladmin
Create content
Search users
My account
Administer
Content management
Categories
Comments
Content
Content types
Node family
Post settings
RSS publishing
Site building
Site configuration
User management
Logs
Help
Log out
Content
Show only items where
status is published
type Biography
Filter
Update options
Publish
Update
Title Type Author Status Operations
Contact Page drupaladmin published edit
sdl3242 new Usernode sdl3242 published edit
seh5924 new Usernode seh5924 published edit
ca25felt new Usernode ca25felt published edit
Home Page Page drupaladmin published edit
drupaladmin new Usernode drupaladmin published edit
saa5557 Usernode saa5557 published edit
My Life Biography saa5557 published edit
Back to top
Done
Internet

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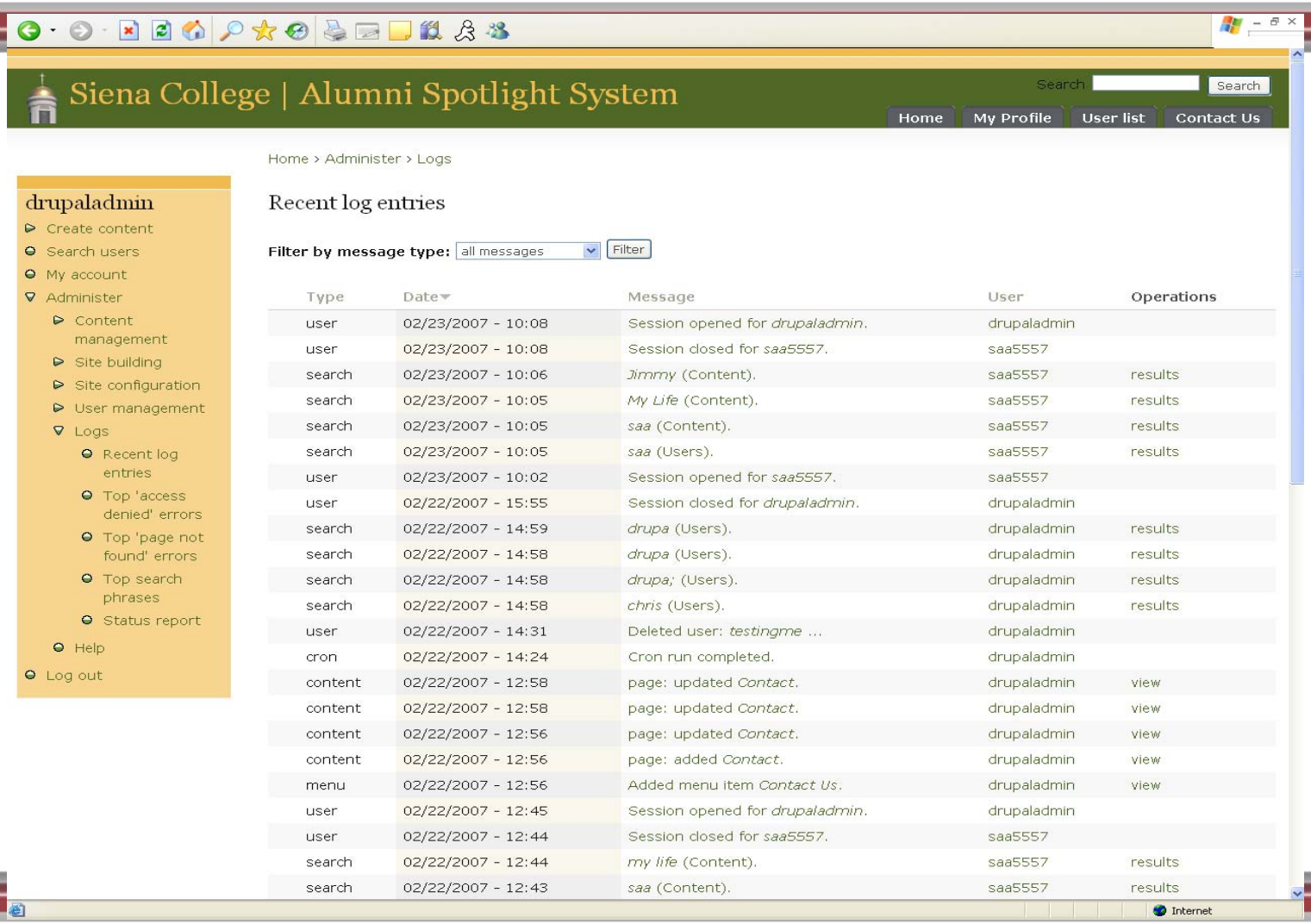
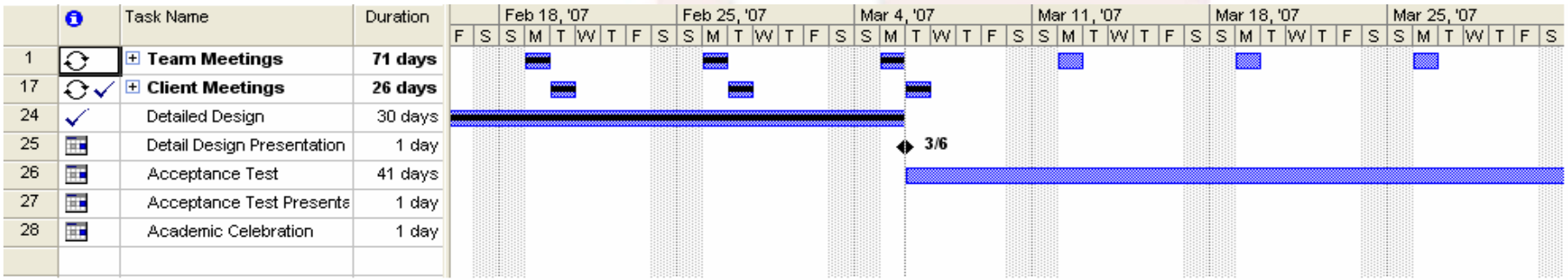
Recent Events

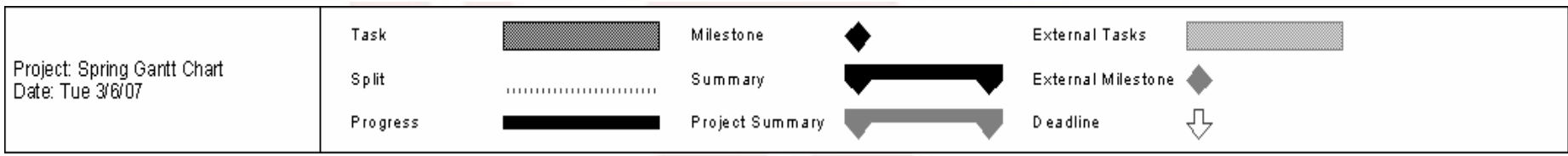


Conclusion

- This is our Spring Development Schedule

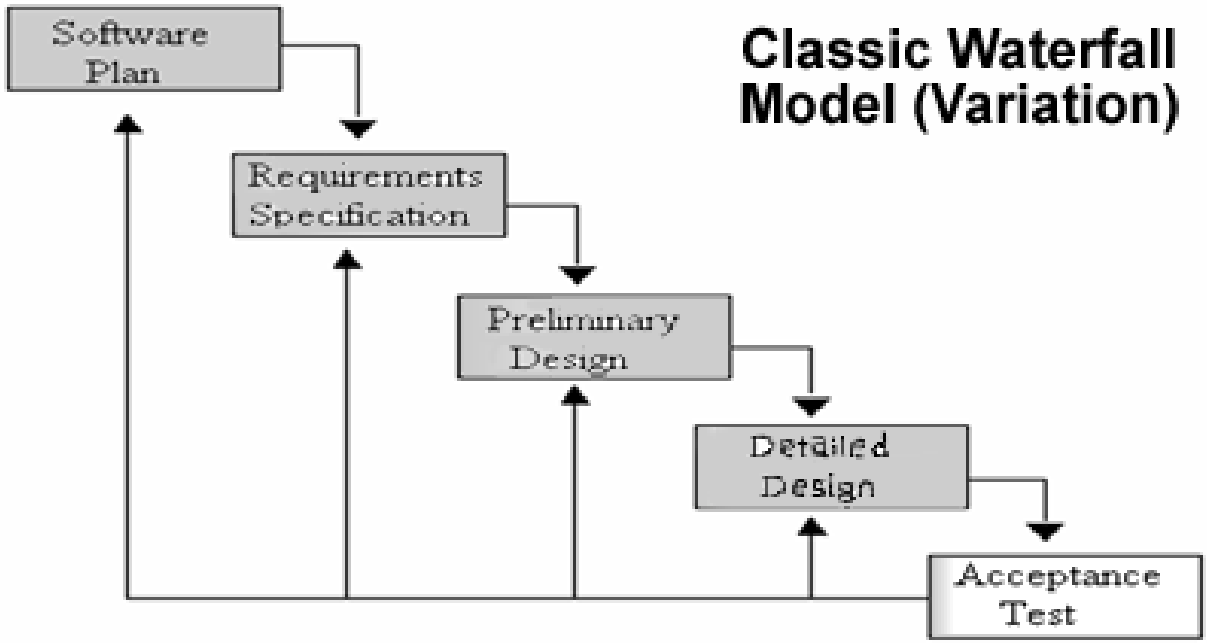


	Task Name	Duration
1	**Team Meetings**	**71 days**
17	**Client Meetings**	**26 days**
24	Detailed Design	30 days
25	Detail Design Presentation	1 day
26	Acceptance Test	41 days
27	Acceptance Test Presente	1 day
28	Academic Celebration	1 day



Conclusion

- This is our Updated Waterfall Model



Conclusion

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

Thank you

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