

Peer Group Learning Finder

Software Engineering (CS 5150)

The Design Team

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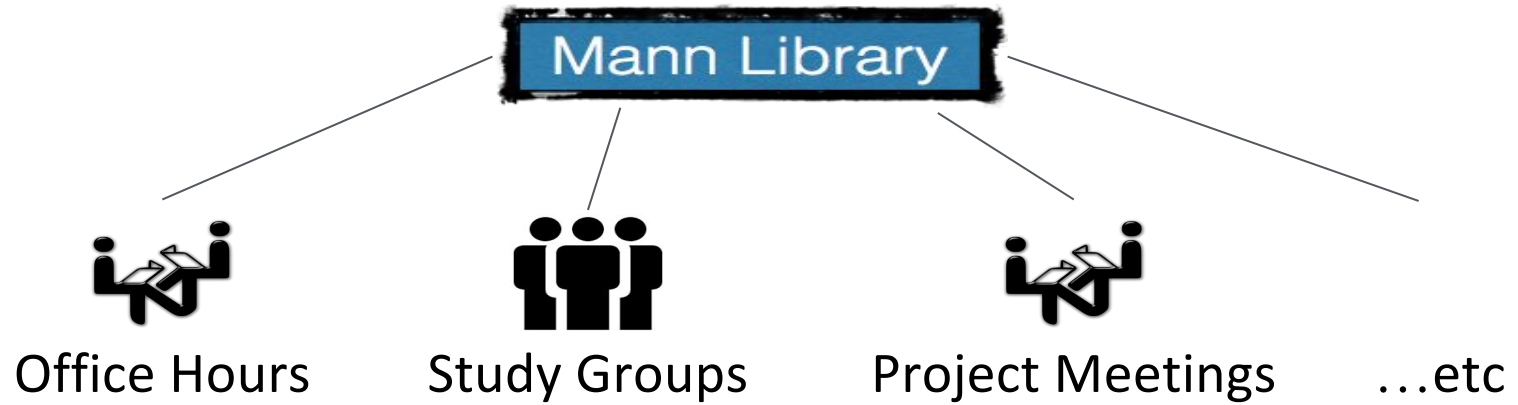
Zhong, Peimin,

Zhou, Tao

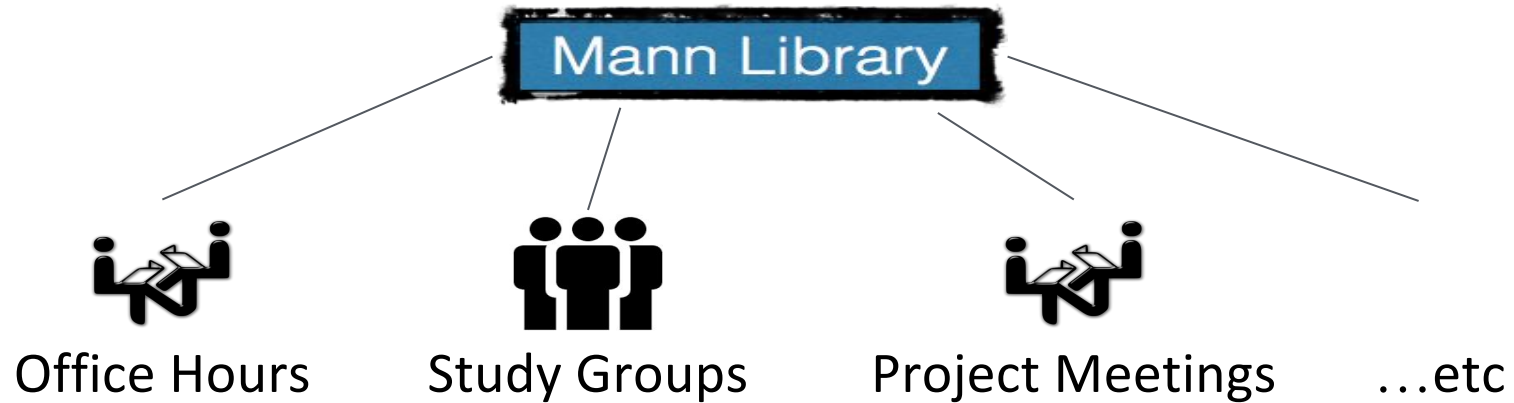
Requirements

Our understanding of the project requirements

The Concept



The Concept



Meeting



When



Where



What

etc.



Mann Library

- Floors/Rooms
- Room Info
- Reserved Locs

Scope and goals

Primary functional components:

- View Statistics (Admin Interface)
- Meeting Creation
- Meeting Edit/Cancel
- Meeting View and Search

The team will provide an API and system documentation, which will include system requirements, database ER diagram, a list of available functionalities, and RESTful API specification sheet.

Usability Testing & Feedback

Changes in design and requirements

Schedule

Monday (10/19/2015) 5:00pm-6:30pm

– Half hour time slots

Tuesday (10/20/2015) 11:00am-12:30pm

– Half hour time slots

Location: Mann Library

Meeting Creation Task

Time Entry: unintuitive with seconds and military time, validation does not check if date is in the past.

Details:

*When: to

*Type:

00:00:00 AM
00:30:00 AM
01:00:00 AM



Details:

*When: to

*Type:

08:00 AM
08:30 AM

Meeting Creation Task

Public field: unintuitive and difficult to differentiate from publicity (whether meeting is posted publicly)

*Public: ☐ Yes ☐ No



Audience (who's invited):

Everyone can find your meeting, but we'll mark it "Invitation Only" if you choose.

*Choose: ☐ Open to Everyone ☐ Mark as Invitation Only

Meeting Creation Task

Comment 3: location selection buggy and difficult to use.

Location:

Choose:

Choose Location

Directions:

Go to big table near the window

Please select a meeting location

X

If you don't want to choose a room, choose "Somewhere Else" under the floor you'll be on.

Second Floor

Bissett Collaborative Center

CIT Mac Lab and Classroom (220A)

Deans Room

Gallery

Group Room (Green Room)

Group Room 282 (The Hive)

Individual Study Room 271

Individual Study Room 272

Individual Study Room 273

First Floor

160 - Stern Seminar Room

Atrium

Consultation Area

Current Periodicals Area

Stone Classroom

Stone Computing Area

Lobby

100

102

CIT Computer Classroom and Lab - 112

Manndible

Open Area

Third Floor

Graduate Study Area

Graduate Study Room 372

Graduate Study Room 373

Meeting Creation Task

Changed requirements due to client request.

Meeting Password:

You can reset this password using the email you provided above

Password:



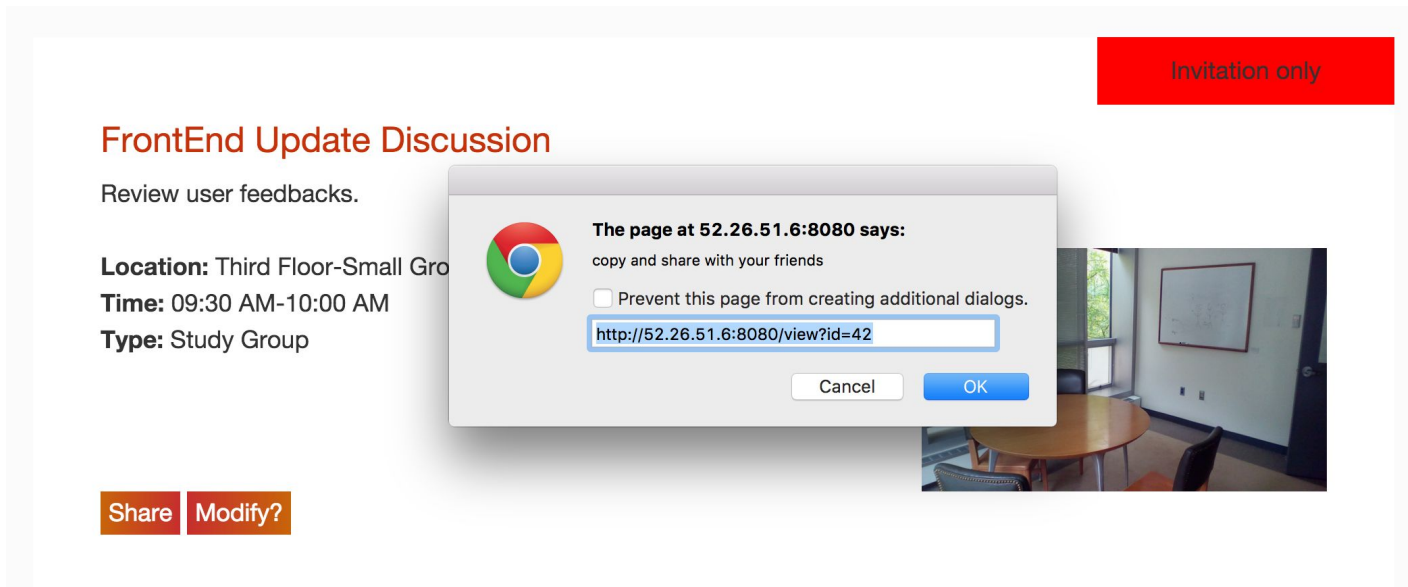
Generate
intuitive
passwords
(emailed to user)

Meeting Sharing Task

Comment 1: users looked for sharing options before creating meetings

➡ After clicking "Post", you can share your meeting.

Comment 2: users wanted to share meetings with their friends



Meeting Discovery Task

Comment 1: Difficult to find specific meetings in general.

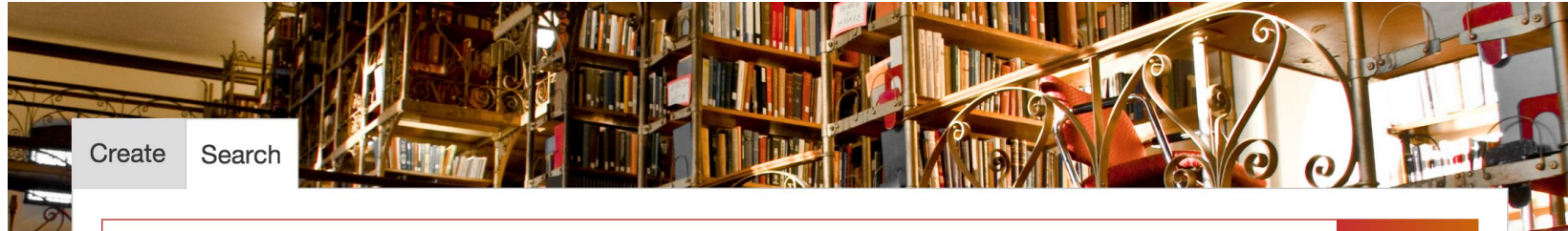
Search returned
all current
meetings



Search accounts
for keywords in
title and
description

Meeting Discovery Task

Comment 2: Search function unavailable on certain pages, difficult to find. → Unified UI



Search Results

5 to show: 5 

Today [This Week](#) [Customize](#)

[Software Engineering Study Group](#) 10/30/2015 09:00 AM-10/30/2015 09:30 AM@Floor 2-Large Group Room
260

Other Bug Fixes

Bug	Status
Existing meetings not displayed	Fixed
Location selection not working	Fixed
Public meetings not shown in views	Fixed
System does not automatically load time	Fixed

Comments

Meeting audience not clear on view page → new marking on meeting view page

Open to Everyone

Database Prac workshop

Finish before deadline!!!

Location: Floor 3-Large Group Room 372
Time: 02:30 PM-05:00 PM
Type: Study Group

Share Modify?


Invitation only

FrontEnd Update Discussion

Review user feedbacks.

Location: Third Floor-Small Group Room 370
Time: 09:30 AM-10:00 AM
Type: Study Group

Share Modify?



Other comments:

User: freshmen and sophomores may use this more due to larger class sizes.

User: I would use this for more formal meetings, social I would use Facebook.

UX Update

[Home](#) [View Section](#) [Edit Section](#) [Search Section](#)

Cornell Meeting Finder @ Mann Library

We're excited to post your meeting!
*indicates a required field

Contact Information:

*Email:

Location:

Choose: [Choose Location](#)

Directions:

Details:


*When: to


*Type:

*Public: ☐ Yes ☐ No

Meeting Password:



 [Cornell Meeting Finder at Mann Library](#) [Home](#)



[Create](#) [Search](#)

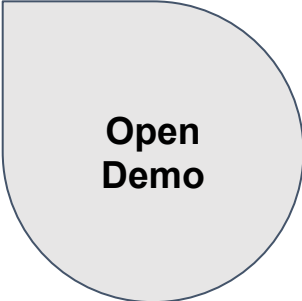
We're excited to post your meeting!
*indicates a required field

Contact Information:

Suggestions: keep simple interface but make more professional and clean.

Demo

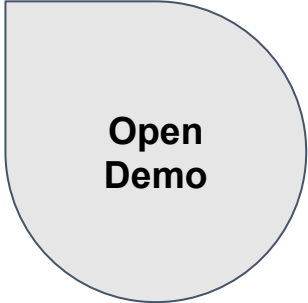
Current Web Application



**Open
Demo**

Admin Interface Demo

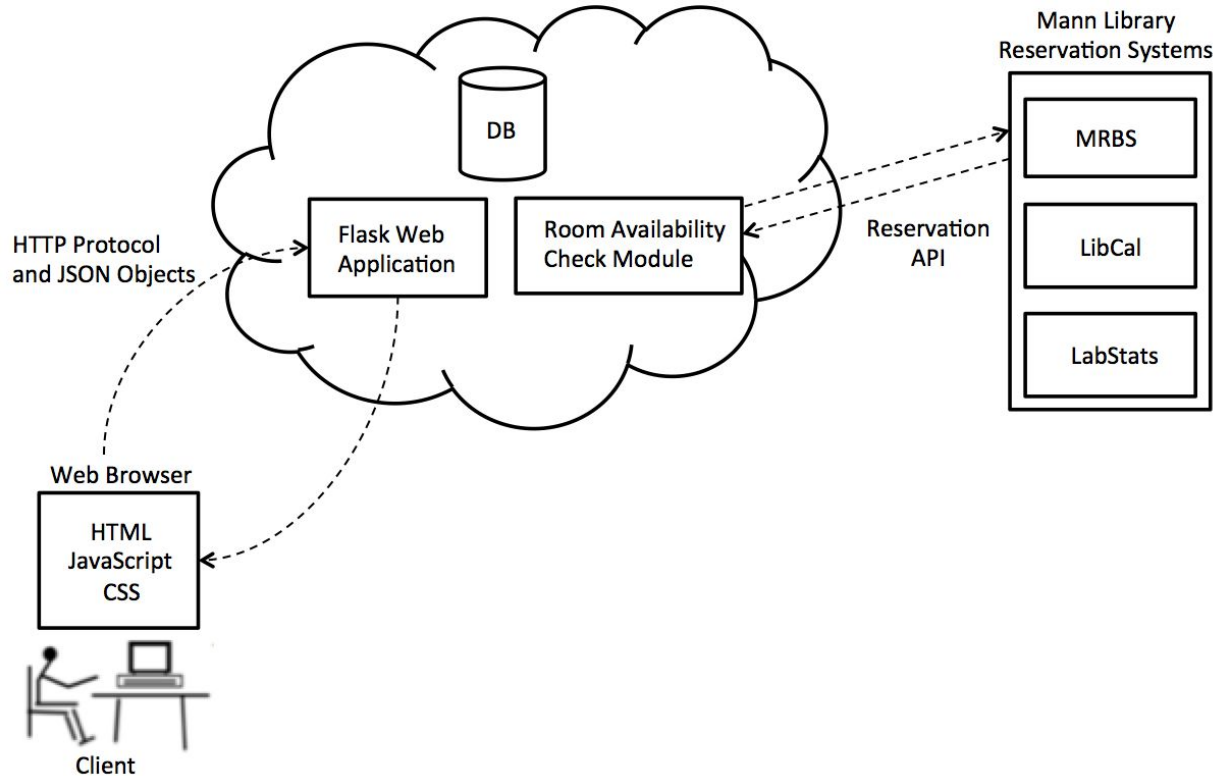
As laid out in original requirements.



**Open
Demo**

Technical Updates

System Architecture Redesign



Back-end Progress Update

- System design change to integrate with existing library reservation system
- Database System changes to accommodate front-end changes
- API specification changes to accommodate front-end changes
- Implemented additional APIs:
 - Meeting Edit
 - Meeting Creator's Authorization
 - Room Detail Retrieval
 - Meeting Search

Future Plan

New features and functionality

Spam Detection (Shadowd)

Home Requests Parameters **Blacklist** Whitelist Profiles Users Settings Logout



<input type="checkbox"/>	▲ Rule ID	Profile ID	Status	Modified	Caller	Path	Threshold	
<input type="checkbox"/>	7	1 (zecure.me)	Active	2015-08-28 13:58	/var/www/symfony/web/app.php	GET parameter_filter searchValues *	No limitation	
<input type="checkbox"/>	6	1 (zecure.me)	Active	2015-07-16 16:06	*	SERVER HTTP_COOKIE	16	
<input type="checkbox"/>	5	1 (zecure.me)	Active	2015-07-16 16:01	*	SERVER HTTP_REFERER	16	
<input type="checkbox"/>	4	1 (zecure.me)	Active	2015-02-08 14:27	/var/www/blog/index.php	POST customized	No limitation	
<input type="checkbox"/>	3	1 (zecure.me)	Active	2015-02-08 14:27	/var/www/blog/wp-admin/admin-ajax.php	POST html	No limitation	
<input type="checkbox"/>	2	1 (zecure.me)	Active	2015-02-08 14:26	/var/www/blog/wp-admin/post.php	POST content	No limitation	
<input type="checkbox"/>	1	1 (zecure.me)	Active	2015-01-05 23:26	/var/www/blog/wp-comments-post.php	POST comment	30	

Limit 10 25 **50** 100 250 1000

Activate Rules ▾

Execute

Add

Import

Export

Perhaps in the future...

- Meeting search results sorted by floor and time
- Meeting Edit Notes and History
- Meeting conflict resolution
- System integration with doodle polls

Phase 2 Progress

- Front-end
 - Conduct Usability Test (Next Monday and Tuesday) ✓
 - Add and revise Front-end pages ✓
 - Implement and link more front-end pages to back-end ✓
- Back-end
 - Modify database and REST API to support front-end changes ✓
 - Implement more REST endpoints ✓
 - Add security features:
 - Input verification ✓
 - Email spam filtering (× -- in progress)

Phase 3 Schedule

November 9th - November 29th

Front-end Team:

- Perform another round of user testing and implement revisions
- Update admin interface and statistics functionality
- Check in with clients and clarify changes with user testing evaluators

Back-end Team

- Continue integration with all reservation systems
- Add meeting conflict detection (some rooms allow multiple meetings)
- Spam detection functionality
- Add statistics and data mining system for admin interface
- Add maintenance functionality, polish API and documentation

Acknowledgements

CS 5150 Professor:

Prof. William Arms

Mann Library Staff:

Camille Andrews

Nick Cappadona

Sara Wright

Resources and Links

All live demos and resources available online:

<http://groupfinder.gabeabrams.com/>

Thank You!

Questions?