

Testing Report

MyStudyGroupPlanner

Version 1.1

Client

Katie Hirsch

Team 2

Aparna V. Kaliappan

Ying Zhang

Siqi Lin

Sean Murren

Tyler Campbell

4/12/2016

MyStudyGroupPlanner

Testing Report

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1. Changes in This Document

Appendices A and B have been added. All sections of this document have been added to.

2. Introduction

2.1. Purpose of This Document

This document is intended for the system administrators, the software development team and other users who need a comprehensive overview of the testing phase. Testing cases , testing results and revision after testing will be explained in this document.

2.2. References

Use cases in the System Requirement Specification Document

3. Testing Process

3.1. Description

The uses cases described in the SRS documentation influence each spirals. Team members were assigned use cases and were then tasked with testing them for completion. The tests of the use cases were done by going through the “action” section of each use case and ensuring each step was completed successfully.

3.2. Testing Sessions

Date	Location	Time Started	Time Ended	Tester(s)	Use Cases Covered
4/13/2016	School	4:00pm	5:00pm	Tyler Campbell	Logging in
4/13/2016	School	8:00pm	9:00pm	Tyler Campbell	Registering New User
4/13/2016	School	10:00pm	11:00pm	Sean Murren, Tyler Campbell	Group Creation

3.3. Impressions of the Process

We are currently still in the development phase of our application, and are still working on implementing some of the features in our application. Thus, we have only done some basic testing of our code so far. Most of this testing has been done independently. For the next spiral, we plan to spend more time testing the code in small groups of 2 or 3 members, so that we can quickly debug our code and test all possible use case conditions.

The best modular unit in our code is our authentication system because it correctly allows users to login and register with our application. It does some validation of user input.

The worst modular unit in our code is the chat system because it does not yet integrate well with our database or any of the web pages. We are still in the process of finding a good chat API that will integrate with our existing technology stack and application setup.

4. Test Results

4.1. Testing Suite

UseCase	Logging into Application
Valid Situation	User enters their email and password into their respected fields clicks the “log in” button and they are redirected to the home page.
Invalid Situation	User enters valid credentials and is not redirected to the homepage
Purpose	To test the ability to log into the application
Expected Result for Valid Situation	The user is redirected to the Welcome screen and their name is displayed in the navbar
Expected Results for invalid Situation	The user enters incorrect credentials and they remain on the login page
Boundary Conditions	Invalid Log in credentials result in no error message

UseCase	Create Account
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Valid Situation	User enters in their name, email and password. They click the register button and they are logged in to the application
Invalid Situation	User enters invalid fields and is not logged into the application
Purpose	To test the ability to create an account
Expected Result for Valid Situation	The user is redirected to the Welcome screen and their name is displayed in the navbar
Expected Results for invalid Situation	The user enters invalid credentials or already in use credentials and they remain on the login page
Boundary Conditions	Invalid credentials result in no error message

UseCase	Create group
Valid Situation	A logged in user, selects the create group tab, enters valid group data, and clicks the create button
Invalid Situation	User does not enter in valid information and is not logged in
Purpose	To test the ability to create a group
Expected Result for Valid Situation	Group create appears on the page. On a page refresh, new group will appear
Expected Results for invalid Situation	Group was not created appears

UseCase	User Leaves a group
Valid Situation	User clicks the Leave group button and they will no longer be able to access the group
Invalid Situation	User clicks Leave group button and is still able to access group

Purpose	To test the ability to leave a group
Expected Result for Valid Situation	The user is redirected to the Welcome screen and group is no longer shown in their “current groups” list
Expected Results for invalid Situation	The User is redirected to the Welcome page but the group they left is still in their created group page

UseCase	User joins a searched for group
Valid Situation	User joins a group that appears from the search results
Invalid Situation	User attempts to join a private group or non-open group
Purpose	To test the ability to join a searched for group
Expected Result for Valid Situation	The user is redirected to that group page and their user name is in the list of group members
Expected Results for invalid Situation	The user is not redirected to that group's page
Boundary Conditions	Error message appears when user is trying join non-open group

UseCase	User joins a group by group-id
Valid Situation	User selects the “join group” tab, enters a valid group id, and selects join

Invalid Situation	User enters invalid group id and cannot join group
Purpose	To test the ability to join a group by id
Expected Result for Valid Situation	The user is redirected to that group page and their user name is in the list of group members
Expected Results for invalid Situation	The user is not redirected to that group's page
Boundary Conditions	Error message appears when user enters non-valid Groupid

UseCase	Remove user from Group
Valid Situation	A user with “remove Permissions” clicks the remove button next to a different user
Invalid Situation	A user does not have “remove Permissions” and the remove button is not available
Purpose	To test the ability to remove users from groups
Expected Result for Valid Situation	Selected user is removed from the group
Expected Results for invalid Situation	Selected user is not removed from the group
Boundary Conditions	Remove button is grayed out if user is not allowed to remove group member

UseCase	Group creator Changes group permissions
Valid Situation	The owner of the group clicks on the button to add permissions to a user

Invalid Situation	User does not have the option to change the permission of a user
Purpose	To test the ability to change the permissions of a user
Expected Result for Valid Situation	The group creator successfully changes the permissions of a user and they are perform the awarded group function (remove user, create meeting, etc.)
Expected Results for invalid Situation	The user is not able to change a different user's permissions
Boundary Conditions	Change permissions button is grayed out if the user is not the group creator

UseCase	Admin View Report
Valid Situation	An administrative user is able to navigate to the “admin Home” page and view the report tab
Invalid Situation	User is not an admin and is not able to go to the admin home page
Purpose	To test the ability for an admin to view reports
Expected Result for Valid Situation	The Admin is presented with a list of all reports in the application
Expected Results for invalid Situation	The non-admin user will be redirected to the home page

UseCase	Admin adds information
Valid Situation	The Admin in the Admin Home page selects the “add

	study location” tab and enters data into the fields that appear
Invalid Situation	User is not an admin and is not able to get to the Admin home page
Purpose	To test the ability to change the admin to add study locations
Expected Result for Valid Situation	User is not an admin and is not able to view the Admin home page
Expected Results for invalid Situation	The user is not able to access the Admin page

UseCase	Admin searches for user
Valid Situation	The Admin in the Admin Home page selects the “Search” tab and enters in a username
Invalid Situation	User is not an admin and is not able to get to the Admin home page
Purpose	To test the ability for the admin to search for users
Expected Result for Valid Situation	The admin successfully adds a building location and is able to see them when they add a meeting.
Expected Results for invalid Situation	User is not an admin and is not able to view the Admin home page
Boundary Conditions	No user is displayed if there are no users by that user name

UseCase	Admin Delete a user's account
Valid Situation	The Admin in the Admin Home page searches for a user and clicks the Delete button
Invalid Situation	User is not an admin and is not able to get to the Admin home page
Purpose	To test the ability for the admin to delete users
Expected Result for Valid Situation	The user is deleted and is not longer able to log in
Expected Results for invalid Situation	User is not an admin and is not able to view the Admin home page
Boundary Conditions	User is not deleted if there is no user by that name in the database

UseCase	Admin Deactivates User account
Valid Situation	The Admin in the Admin Home page searches for a user and clicks the deactivate button
Invalid Situation	User is not an admin and is not able to get to the Admin home page
Purpose	To test the ability for the admin to deactivate users
Expected Result for Valid Situation	The selected user's account is deactivated and they are not able to log in
Expected Results for invalid Situation	User is not an admin and is not able to view the Admin home page
Boundary Conditions	No user is displayed if there are no users by that user name

UseCase	Admin resets User account
Valid Situation	The Admin in the Admin Home page searches for a user and clicks the “Reset Password” button
Invalid Situation	User is not an admin and is not able to get to the Admin home page
Purpose	To test the ability for the admin to reset user’s passwords
Expected Result for Valid Situation	The selected user’s password is reset to default “password”
Expected Results for invalid Situation	User is not an admin and is not able to view the Admin home page
Boundary Conditions	No user is displayed if there are no users by that user name

UseCase	Admin Deletes all groups
Valid Situation	The Admin in the Admin Home goes to the Delete tab, and clicks the delete button
Invalid Situation	User is not an admin and is not able to get to the Admin home page
Purpose	To test the ability for the admin to delete all groups
Expected Result for Valid Situation	There are no longer any groups within the database
Expected Results for invalid Situation	User is not an admin and is not able to view the Admin home page

UseCase	Sign out of application
Valid Situation	The user clicks the logout button in the top right

	corner
Invalid Situation	The user is not logged in and cannot see the logout button
Purpose	To test the ability for the a user to log out
Expected Result for Valid Situation	The user is redirected to the login page and can only access the login page and the register page
Expected Results for invalid Situation	User stays on the login page because there is not logout button

UseCase	Schedule a meeting
Valid Situation	A user in a group selects the create meeting button and enters in the corresponding meeting data
Invalid Situation	A user is not in any groups and cannot access the group page
Purpose	To test the ability for the admin to create meetings
Expected Result for Valid Situation	A meeting is create and the user is able to see it in the meetings section of the group page
Expected Results for invalid Situation	User is not part of a group and cannot view created meeting
Boundary Conditions	Meeting information is invalid and meeting is not created

UseCase	Respond to a meeting request
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Valid Situation	User receives a meeting request is prompted to accept or deny
Invalid Situation	User does not receive a meeting request
Purpose	To test the ability for the admin to respond to meeting request
Expected Result for Valid Situation	Meeting is accepted and shown on the user's homepage
Expected Results for invalid Situation	User was not invite to a meeting and is not able to respond
Boundary Conditions	User declines meeting request and meeting doesn't appear on the home page

UseCase	Submit a report
Valid Situation	The user is on the group page, clicks on the report button next to a user, enters in the required comments, and clicks submit
Invalid Situation	User is not part of a group
Purpose	To test the ability for the user to submit a report
Expected Result for Valid Situation	A report is submitted and the admin can view it in the admin page
Expected Results for invalid Situation	User was not part of a group and is unable to submit reports
Boundary Conditions	User does not have permissions to report a user (admin)

UseCase	Chat within a group
Valid Situation	User is in the group page, can see the chat window, types something into the chat window, and presses enter
Invalid Situation	User is not part of a group
Purpose	To test the ability for users within a group to chat
Expected Result for Valid Situation	Every user within that group can see what the previous user typed in as well as what they typed in
Expected Results for invalid Situation	User is not in group and cannot participate in chat
Boundary Conditions	User cannot join a group to participate (admin)

UseCase	User Searches for a group
Valid Situation	User on the homepage clicks the “search”, enters in desired fields, and clicks the search button
Invalid Situation	The class type or section the user is looking for is not presetn
Purpose	To test the ability for a user to search for a group
Expected Result for Valid Situation	The user is presented with a list of classes
Expected Results for invalid Situation	User will not be able to see the non-existing class they are looking for

UseCase	Send message to a group member
Valid Situation	A user selects Notify User in the nav-bar, is selects a

	user and a message and hits send
Invalid Situation	User is not logged in and cannot see notify user
Purpose	To test the ability of users to send messages to each other
Expected Result for Valid Situation	User selected above receives a message
Expected Results for invalid Situation	User is not logged in and does not receive message
Boundary Conditions	User does not exist and will not receive message

UseCase	User views message received
Valid Situation	User navigates to their inbox and clicks on the new message
Invalid Situation	User does not have a new message
Purpose	To test the ability for the user to receive messages
Expected Result for Valid Situation	The user received a message from another user
Expected Results for invalid Situation	There are no new messages in the user's inbox
Boundary Conditions	User is not logged in and cannot view messages

UseCase	Admin creates an account
Valid Situation	The Admin in the Admin Home page selects the create admin account button, enters in information

	and clicks create
Invalid Situation	User is not an admin and is not able to get to the Admin home page
Purpose	To test the ability for the admin to create other admins
Expected Result for Valid Situation	An admin is created and is able to be logged in
Expected Results for invalid Situation	User is not an admin and is not able to view the Admin home page
Boundary Conditions	Admin already exists and is not created

UseCase	View meetings on the calendar
Valid Situation	If a user has an upcoming meeting, on their meeting calendar in the homepage, the date should be highlighted
Invalid Situation	User does not have any meetings they are attending
Purpose	To test the ability for the user to view meetings in the calendar
Expected Result for Valid Situation	Days of Upcoming meetings are highlighted red past meetings are highlighted yellow on the calendar
Expected Results for invalid Situation	User does not see any highlighted days on the calendar
Boundary Conditions	User is not logged in and cannot see calendar

UseCase	View meeting details
Valid Situation	User clicks on meeting from the homepage
Invalid Situation	User does not have any meetings they are attending
Purpose	To test the ability for the user to view meeting details
Expected Result for Valid Situation	User is presented with a popup telling all details about meetings
Expected Results for invalid Situation	User has not meetings and is therefore not able to see information about them
Boundary Conditions	User is not logged in and cannot see calendar

UseCase	The user clicks on a specific date containing a meeting.
Valid Situation	User clicks on a day on the calendar
Invalid Situation	User is not on the homepage
Purpose	To test the ability for the user to view meeting for each day
Expected Result for Valid Situation	All the meetings for the selected day appear under the calendar
Expected Results for invalid Situation	User has not meetings and is therefore not able to see information about them
Boundary Conditions	User is not logged in and cannot see calendar

UseCase	Send a message to the whole group
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Valid Situation	User clicks the “send message to whole group” button, enters in message, and hits submit
Invalid Situation	User is not part of a group
Purpose	To test the ability for the user to send message to the whole group
Expected Result for Valid Situation	A message appears in every member of the groups’ inbox
Expected Results for invalid Situation	Users are not part of the group and do not receive message
Boundary Conditions	User sending the message does not receive a message

UseCase	Leave the chat
Valid Situation	User selects the close button for the chat
Invalid Situation	User is not part of a group
Purpose	To test the ability for the user to leave a chat
Expected Result for Valid Situation	User no longer sees the chat messages appear
Expected Results for invalid Situation	User is not in a group and cannot see the chat
Boundary Conditions	User is an admin and cannot join a group

UseCase	Admin deletes information
Valid Situation	Admin clicks on the delete tab in the Admin home page, selects a study location from the drop downs

	and hits delete
Invalid Situation	User is not an admin and cannot view home page
Purpose	To test the ability for the admin to delete study locations
Expected Result for Valid Situation	The deleted Study location no longer appears when creating a meeting
Expected Results for invalid Situation	No change user is not admin

UseCase	Change a meeting
Valid Situation	Group leader selects a meeting from the group page, makes a change, and selects update
Invalid Situation	User is not group leader
Purpose	To test the ability for the group leader to change meeting details
Expected Result for Valid Situation	Meeting details are updated on the group page
Expected Results for invalid Situation	No change user cannot update
Boundary Conditions	User is not part of the group

UseCase	Group leader is on the group page
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Valid Situation	User with the group creator role of a group navigates to a group
Invalid Situation	User is not a group creator
Purpose	To test the ability for the group creators to view group pages
Expected Result for Valid Situation	Group creator has options on their group page to make meetings, promote users, and kick users
Expected Results for invalid Situation	User does not have any group creator fields
Boundary Conditions	User is an admin and cannot join groups

UseCase	Join a video chat
Valid Situation	User selects the join group chat button
Invalid Situation	User is not in a group
Purpose	To test the ability for the user to join a video chat
Expected Result for Valid Situation	Video is placed in a video chat with the group
Expected Results for invalid Situation	User is not in group and cannot join a video chat
Boundary Conditions	User is an admin and cannot join a group

UseCase	Create profile
Valid Situation	User clicks on their user name in the navbar , adds information and hits create
Invalid Situation	User is not logged in

Purpose	To test the ability for the user to create their profile
Expected Result for Valid Situation	User can select their profile and edit options about it
Expected Results for invalid Situation	User is not logged in and cannot click on their name
Boundary Conditions	User is an admin and does not have a profile

UseCase	Edit profile
Valid Situation	User clicks on their user name in the navbar
Invalid Situation	User is not logged in
Purpose	To test the ability for the user to edit their profile
Expected Result for Valid Situation	User can select their profile and edit options about it
Expected Results for invalid Situation	User is not logged in and cannot click on their name
Boundary Conditions	User is an admin and does not have a profile

UseCase	delete profile
Valid Situation	Group creator clicks the delete group button
Invalid Situation	User is not group creator

Purpose	To test the ability for the group creator to delete their group
Expected Result for Valid Situation	Group is deleted
Expected Results for invalid Situation	User is not a group creator and cannot delete group
Boundary Conditions	Admins cannot join groups

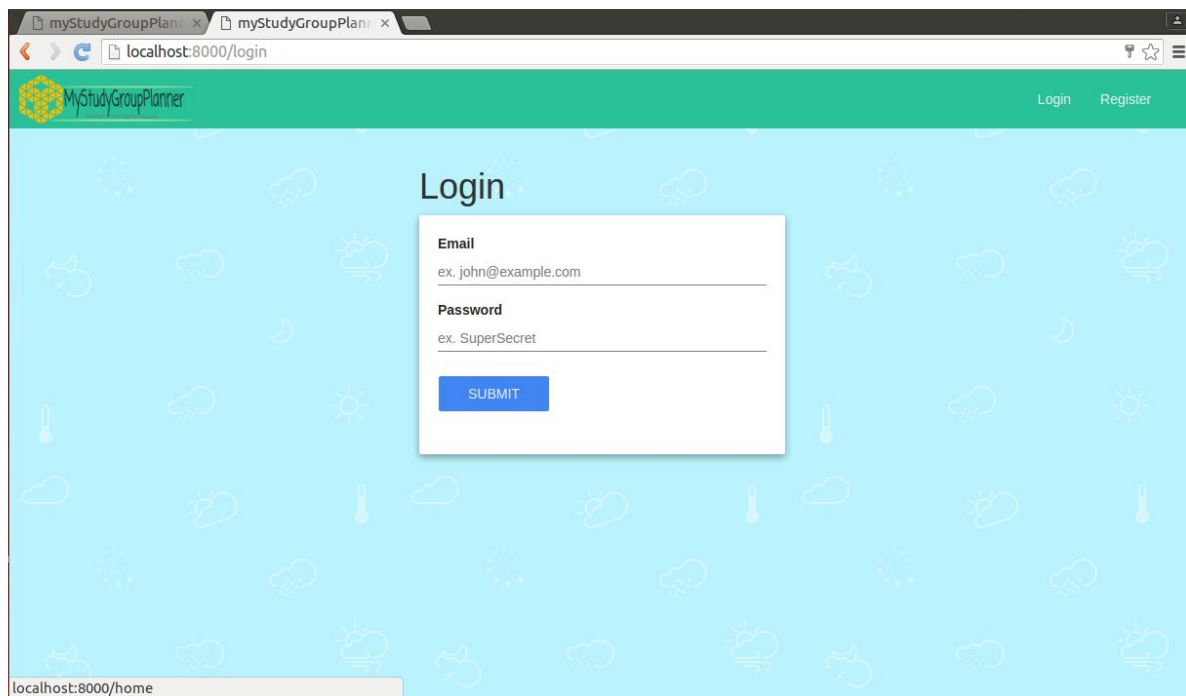
UseCase	User joins a closed group
Valid Situation	User searches for closed group, enters code, and click join
Invalid Situation	User does not have code
Purpose	To test the ability for the user to join a closed group
Expected Result for Valid Situation	Notification is sent to group creator
Expected Results for invalid Situation	User is not placed into group
Boundary Conditions	User admin cannot join group

UseCase	Handle closed group request
Valid Situation	Group creator receives notification for a join
Invalid Situation	User is not group creator

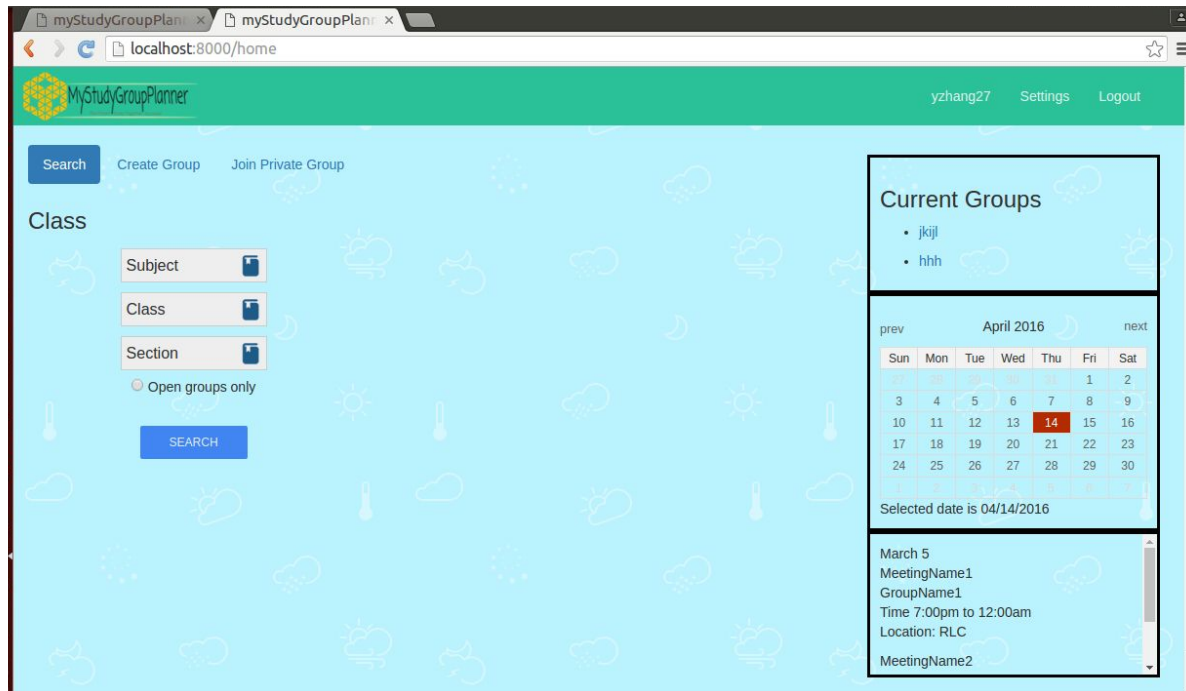
Purpose	To test the ability for the group creator can handle a group request
Expected Result for Valid Situation	User is placed in group
Expected Results for invalid Situation	User cannot allow a user into a group
Boundary Conditions	User admin cannot join group

4.2. Test Results

4.2.1 Use Case: Logging in Valid Situation:

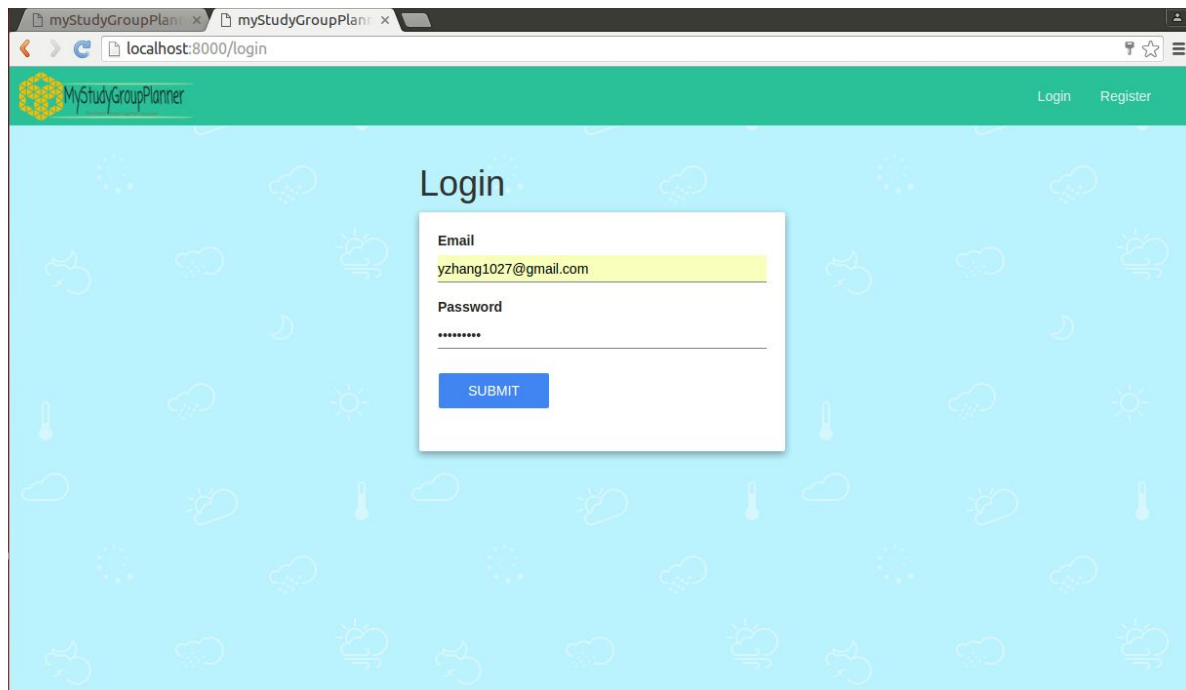


Web page displays Log In Screen



User enters correct credential and is redirected to the home page

Invalid Situation:



User enters valid credentials and is not redirected to the homepage

4.2.2 Use case: Create Account

myStudyGroupPlanner

Register

Email
ex. john@example.com

Username
ex. john

Password
ex. superSecret

SUBMIT

User enters in their name, email and password.

myStudyGroupPlanner

yzhang27 Settings Logout

Search Create Group Join Private Group

Class

Subject

Class

Section

Open groups only

SEARCH

Current Groups

- jkjl
- hhh

prev April 2016 next

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Selected date is 04/14/2016

March 5

MeetingName1

GroupName1

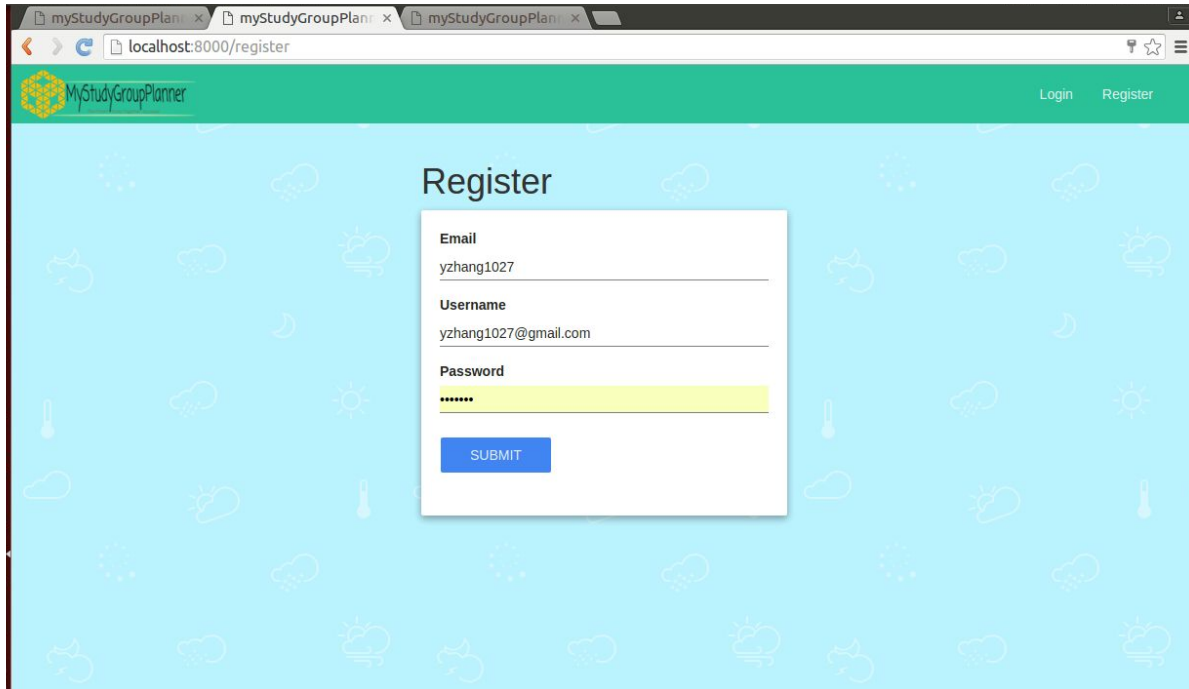
Time 7:00pm to 12:00am

Location: RLC

MeetingName2

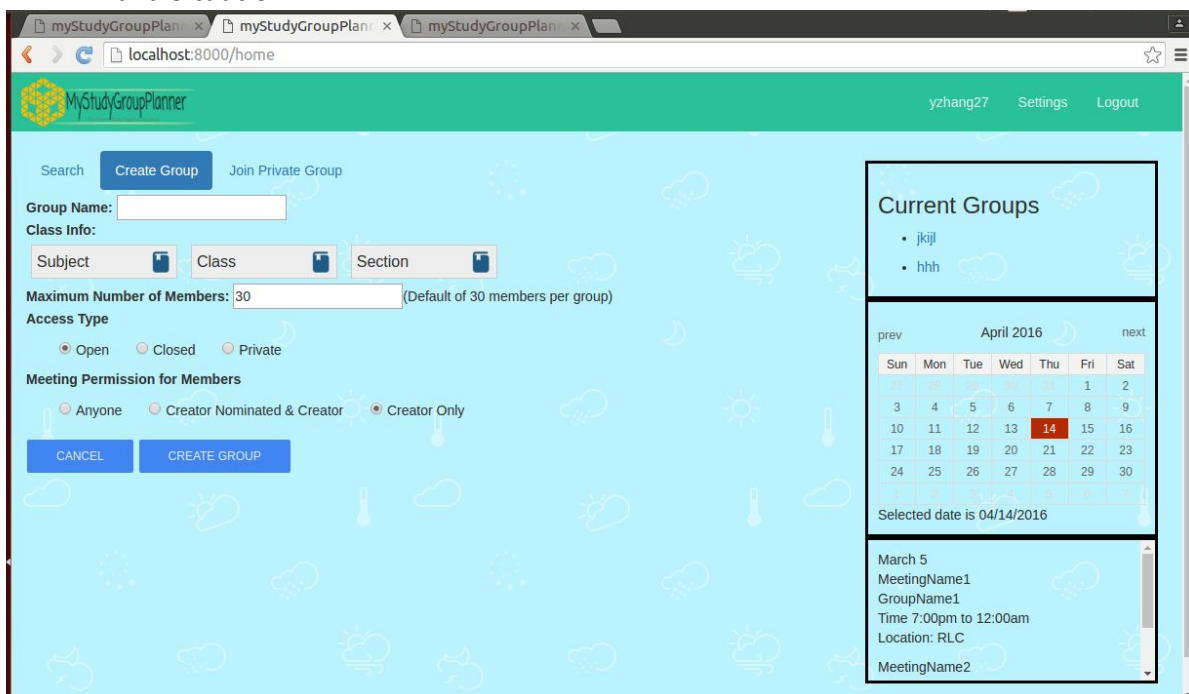
They click the register button and they are logged in to the application

Invalid Situation

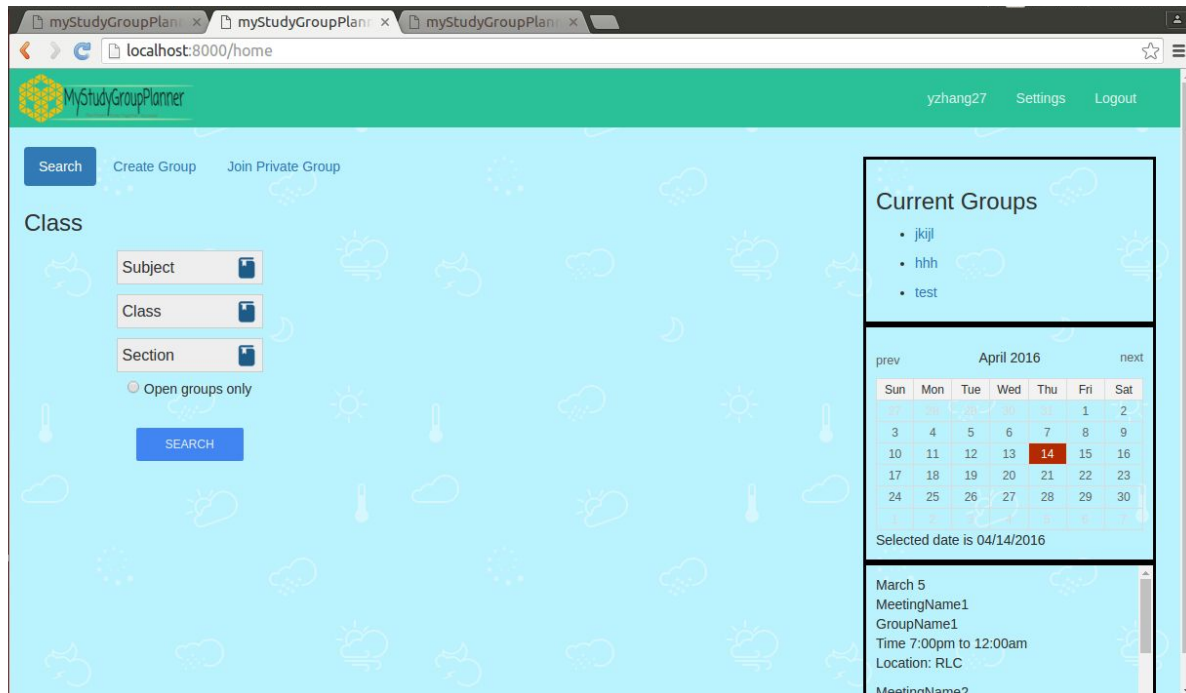


User enters invalid fields and is not logged into the application

4.2.3 Use case: Create Group Valid Situation

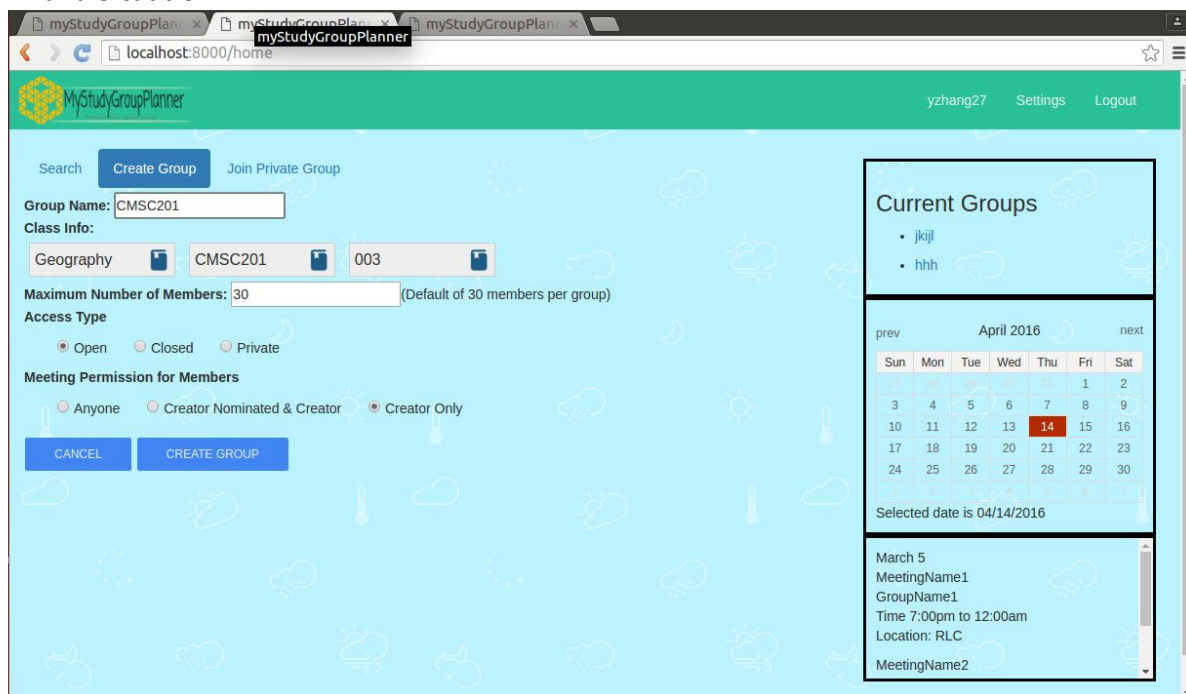


A logged in user, selects the create group tab, enters valid group data, and clicks the create button



A group is successfully created.

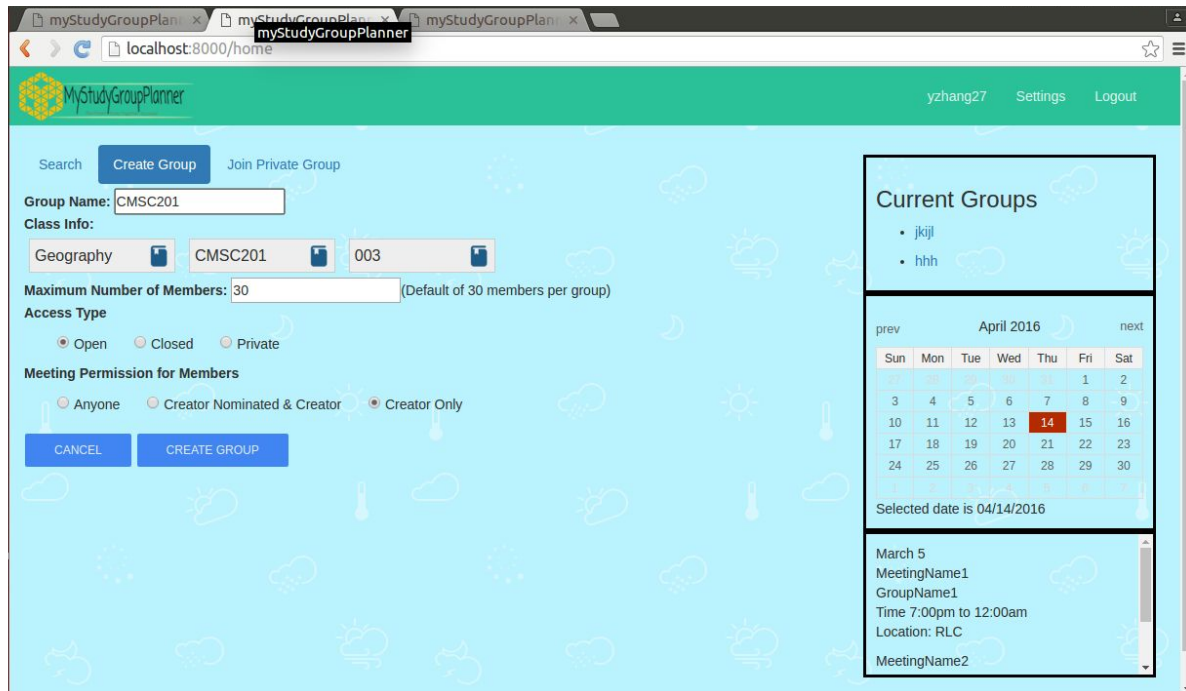
Invalid Situation



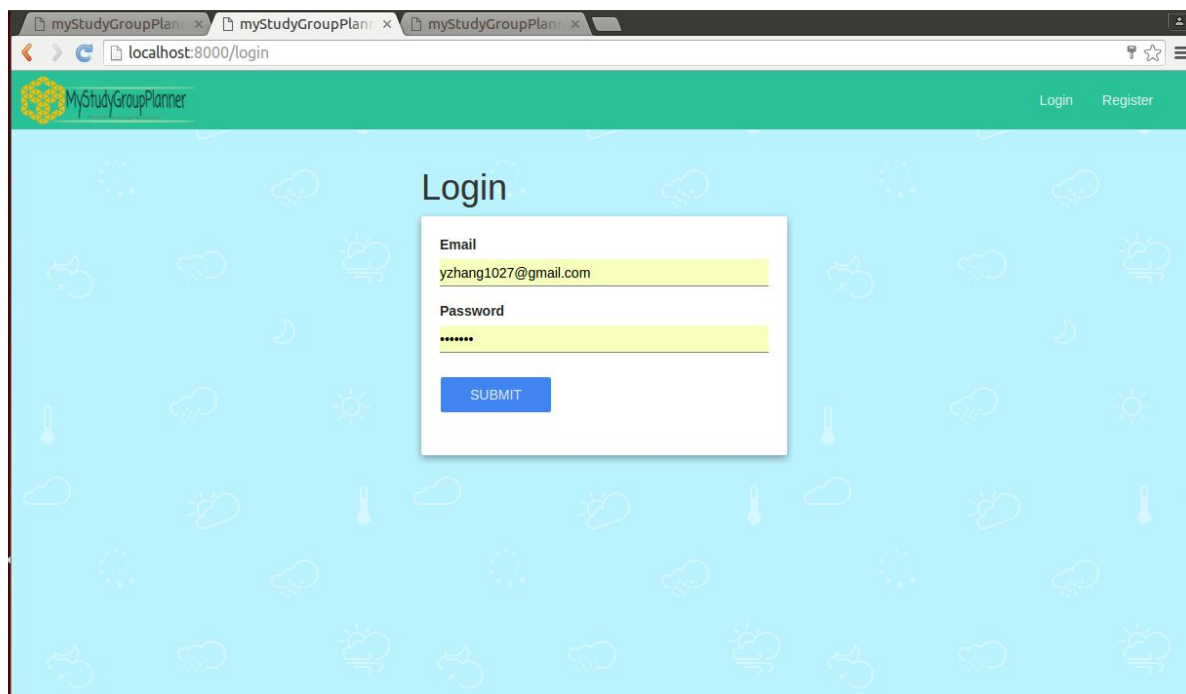
User enters invalid information

4.2.4 Use case: Sign out of application

Valid Situation

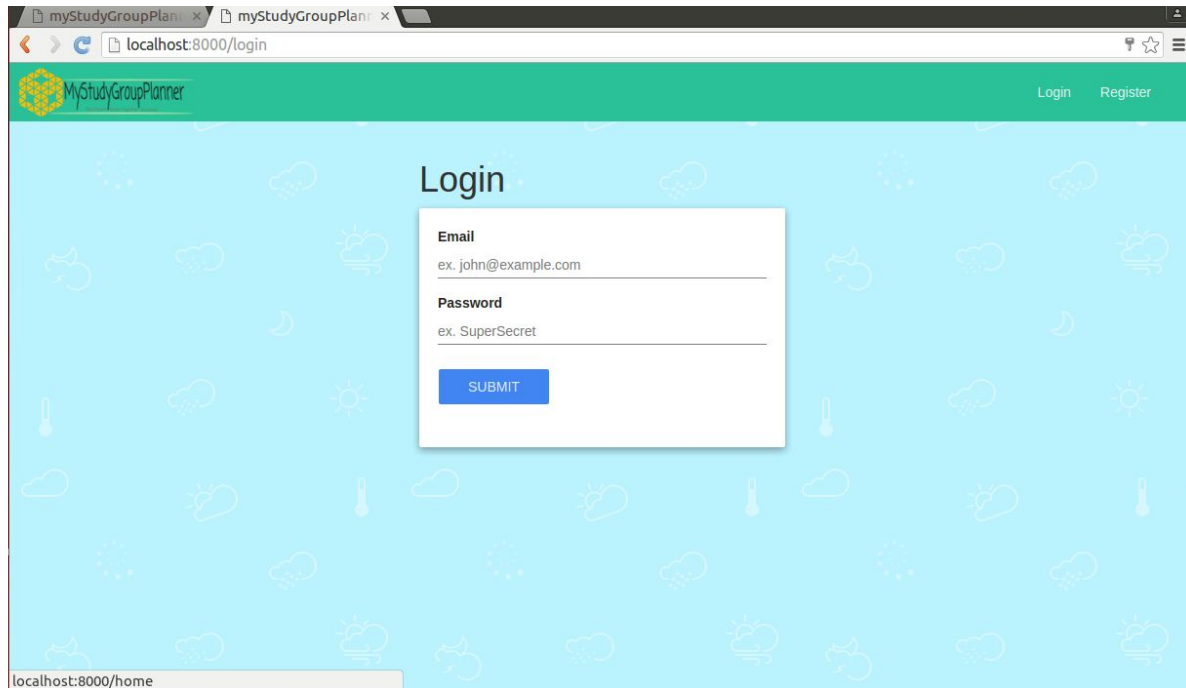


User clicks the logout button in the top right corner



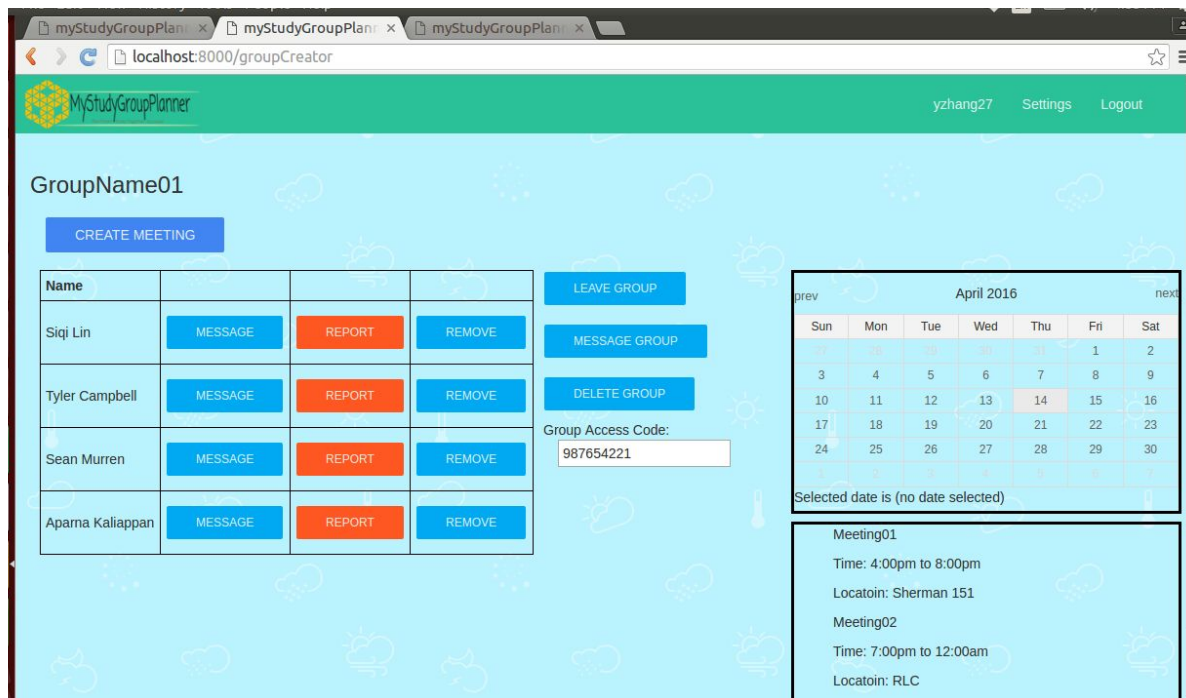
User has successfully signed out of the application

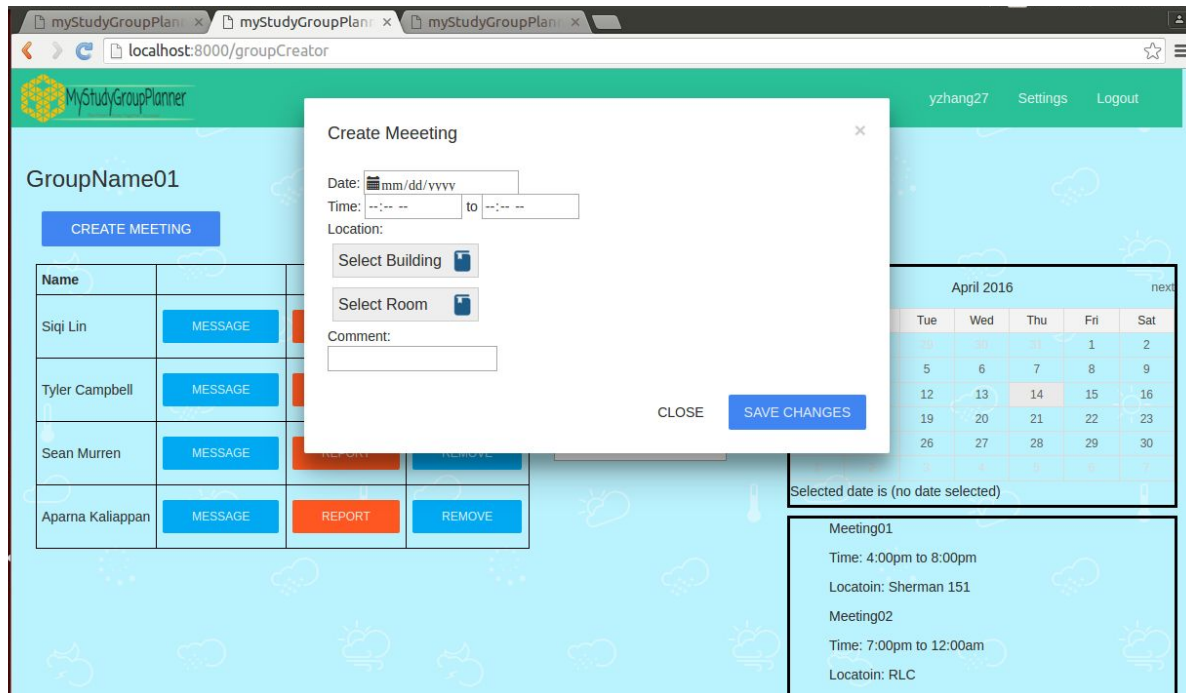
Invalid Situation:



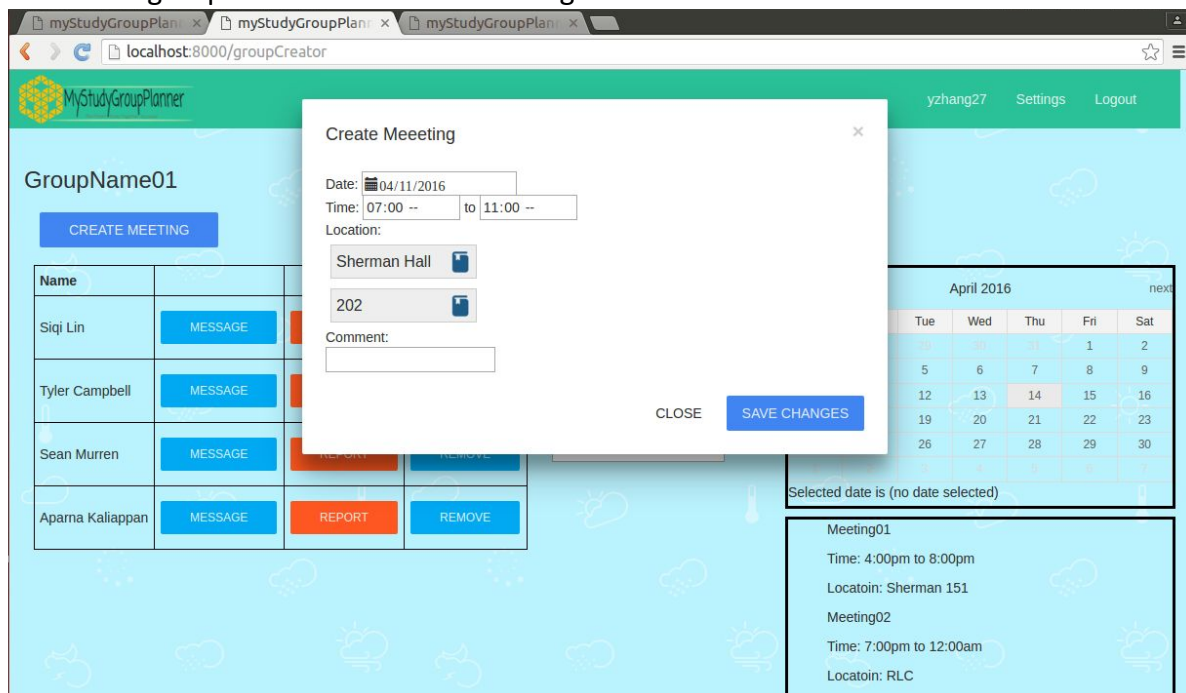
User is not logged in

4.2.5 Use Case: Schedule a meeting Valid Situation



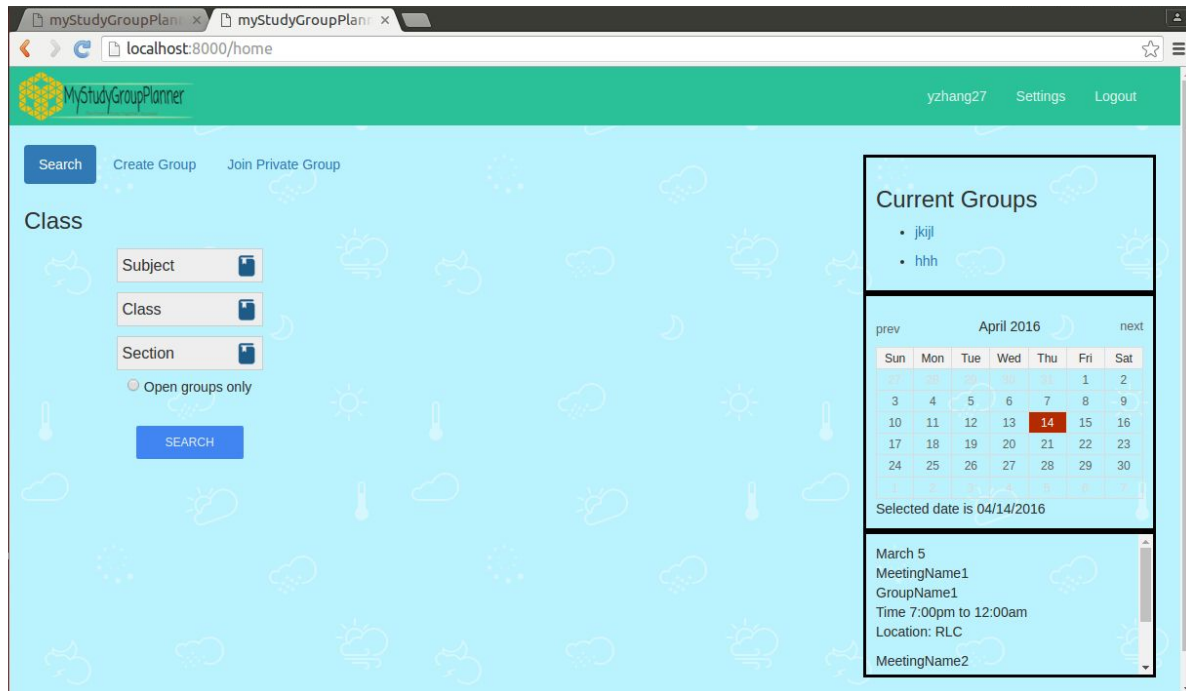


A user in a group selects the create meeting button



enters in the corresponding meeting data

Invalid Situation:



A user is not in any groups and cannot access the group page

Not all use cases are done at this stage, cannot be tested.

Appendix A - Agreement Between Customer and Contractor

The customer and the development team agree that the MyStudyGroupPlanner application has undergone all of the tests described in this Testing Report.

In the case that there are any future changes to the requirements outlined in this document, the development team will make these changes and provide the customer with updated hardcopy and softcopy versions to be read, approved, and signed.

Customer Comments:

Customer Signature

Print Name

Date

Signature

Development Team Signatures

Print Name

Date

Signature

Print Name

Date

Signature

Print Name

Date

Signature

Print Name

Date

Signature

Print Name

Date

Signature

Appendix B - Team Review Sign-off

All members of the MyStudyGroupPlanner development team have reviewed this document and agree on its content and format. Any disagreements about this document are documented below.

Development Team Signatures

Print Name

Date

Signature

Comments:

Print Name

Date

Signature

Comments:

Print Name

Date

Signature

Comments:

Print Name

Date

Signature

Comments:

Print Name

Date

Signature

Comments:

Appendix C – Document Contributions

- Tyler Campbell
 - Testing suite
- Aparna Kaliappan
 - Appendices A and B
 - Section 3.3
- Ying Zhang
 - Introduction
 - Test Results
- Siqi Lin
 - None
- Sean Murren
 - None