

# Testing Report

*MyStudyGroupPlanner*

*Version 1.2*

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4/28/2016

# MyStudyGroupPlanner

## Testing Report

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## **1. Changes in This Document**

Testing Process, Testing Suite, and Test Results 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
4/23/2016	Home	3:00pm	4:00pm	Sean Murren	Leave group, Join group, Remove User
4/24/2016	School	2:00pm	3:00pm	Siqi Lin	Report User,

					View user-submitted report
4/24/2016	Home	11:00am	12:00pm	Sean Murren	Leave group (creator), Creating Meeting, Display meeting
4/25/2016	School	8:00pm	9:00pm	Ying Zhang	Message other members in the group
4/26/2016	School	7:00pm	8:00pm	Siqi Lin, Tyler Campbell, Ying Zhang	Add new classes as an admin
4/28/2016	Home	9:30am	10:00am	Aparna Kaliappan	Chat system

### 3.3. Impressions of the Process

We have finished the development phase of our application. Most of our testing has been done independently. Testing of features such as the chat system was done in groups, in order to confirm that the desired results were being achieved. This process allowed us to resolve several bugs in our code quickly, throughout the development process.

The best modular unit in our code is our authentication system because it correctly allows users to login and register with our application. The chat system is good as well, since it does constant polling to update users of messages sent, in close to real-time speed.

## 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
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. New group will appear in groups list.
Expected Results for invalid Situation	Text “Failed to create group” 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 home page and group is no longer shown in their “current groups” list
Expected Results for invalid Situation	The User is redirected to the home 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 has option to join group there are in or a full group
Purpose	To test the ability to join a searched for group
Expected Result for Valid Situation	The user is now a member of the group, the group is

	now in their group list and the option to join group goes away.
Expected Results for invalid Situation	The user joins same group multiple times
Boundary Conditions	Join button removed if joining group is not a valid option

UseCase	Remove user from Group
Valid Situation	Group Creator clicks the remove button next to a different user
Invalid Situation	A user who is not group creator has the remove button 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 improperly removed from the group
Boundary Conditions	Remove button is hidden if user is not allowed to remove group member

UseCase	Group creator leaves group
Valid Situation	The creator of the group clicks on the leave group button and the group is deleted for all users
Invalid Situation	The creator leaves group, but group still exists with no one being able to admin the group
Purpose	To test the ability of group creator to leave/close a group they had created.
Expected Result for Valid Situation	Group is deleted along with all related msgpUser, meeting, and Chat table elements

Expected Results for invalid Situation	Remaining group members cannot schedule meetings, remove users, or close group
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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 study location
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 adds class
Valid Situation	The Admin in the Admin Home page selects the “add class” 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 class
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 group creator.
Purpose	To test the ability for the group creator to create meetings
Expected Result for Valid Situation	A meeting is created and members are able to see it in the meetings section of the group page
Expected Results for invalid Situation	User is not able to create a new meeting
Boundary Conditions	Create meeting button is not visible unless user is group's creator

UseCase	Submit a report
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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
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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 present
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	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
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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 no 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.
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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 no 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
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
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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
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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
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 a 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

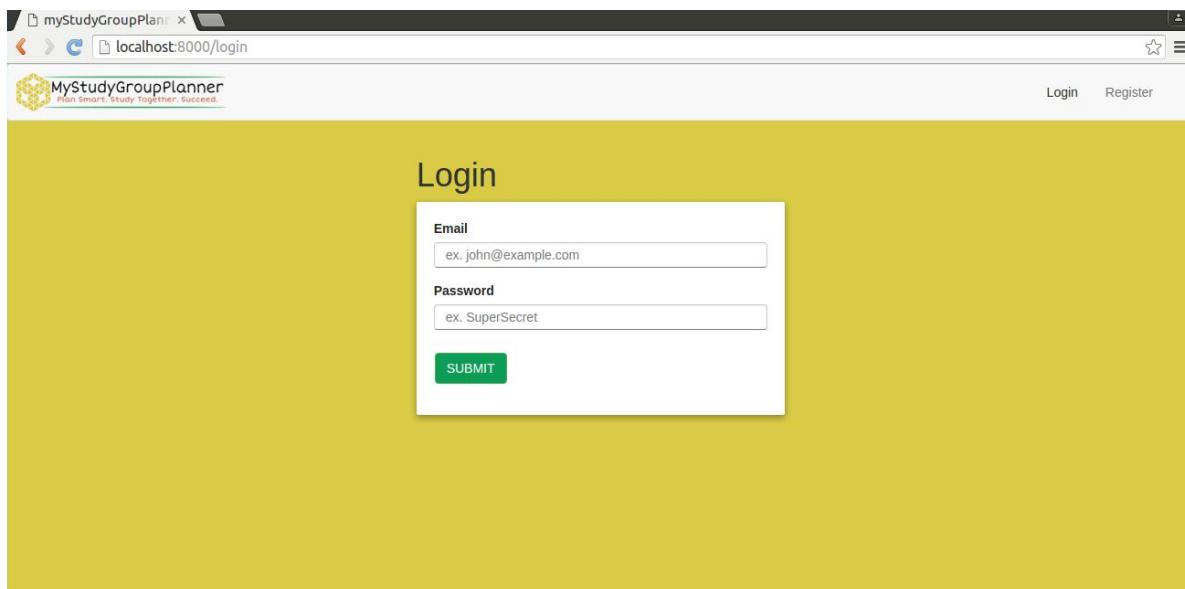
UseCase	User joins a closed group
Valid Situation	User searches for closed group, enters code, and click join
Invalid Situation	User does not have code

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

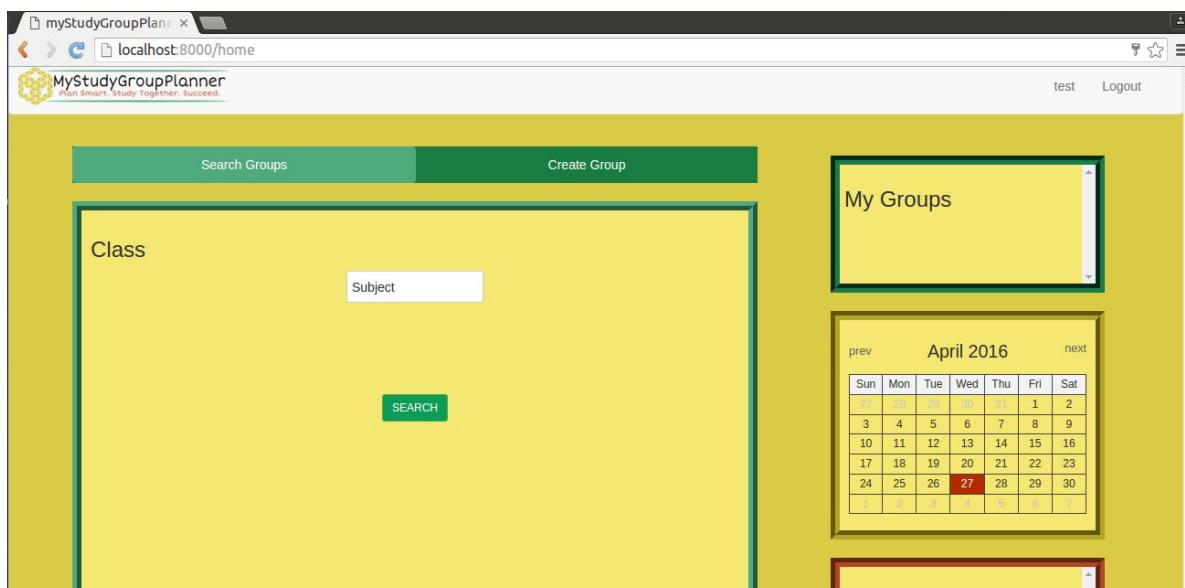
UseCase	Handle closed group request
Valid Situation	Group creator receives notification for a join
Invalid Situation	User is not group creator
Purpose	To test the ability for the group creator can handle a group request
Expected Result for Valid Situation	User is placed in group
Expected Results for 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:

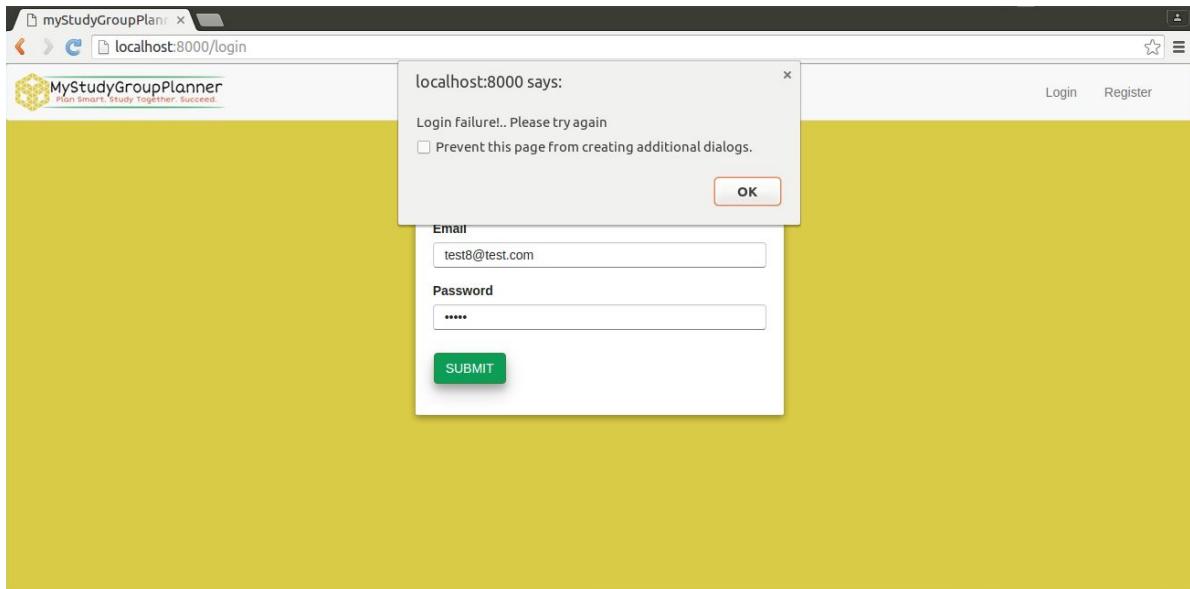


Web page displays Log In Screen



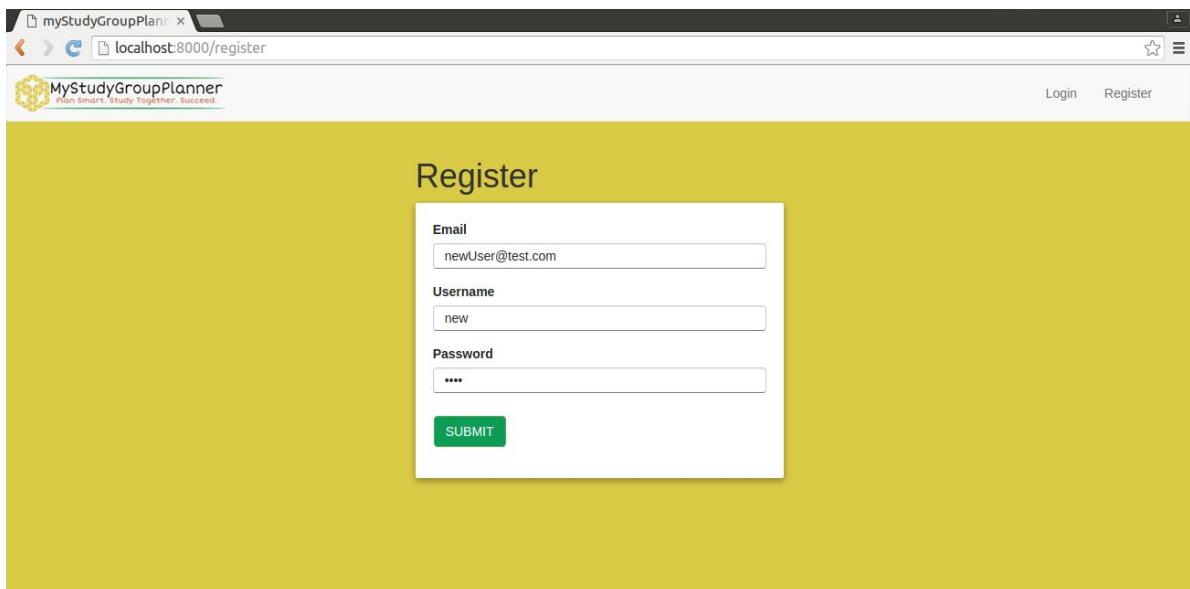
User enters correct credential and is redirected to the home page

Invalid Situation:

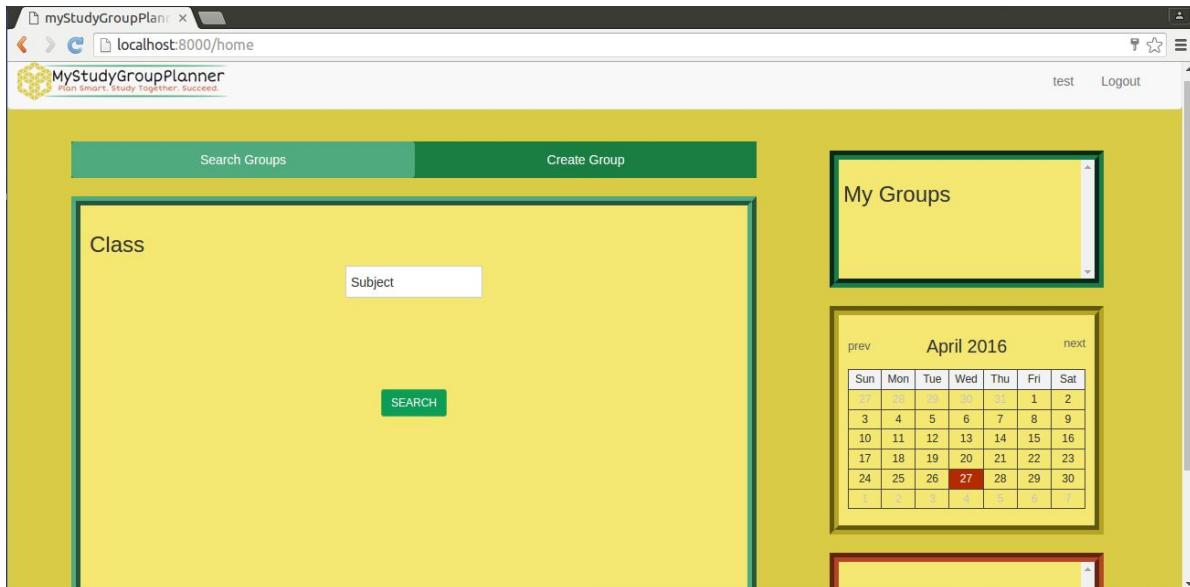


User enters invalid credentials and is not redirected to the homepage. A login failure modal message is displayed.

#### 4.2.2 Use case: Create Account

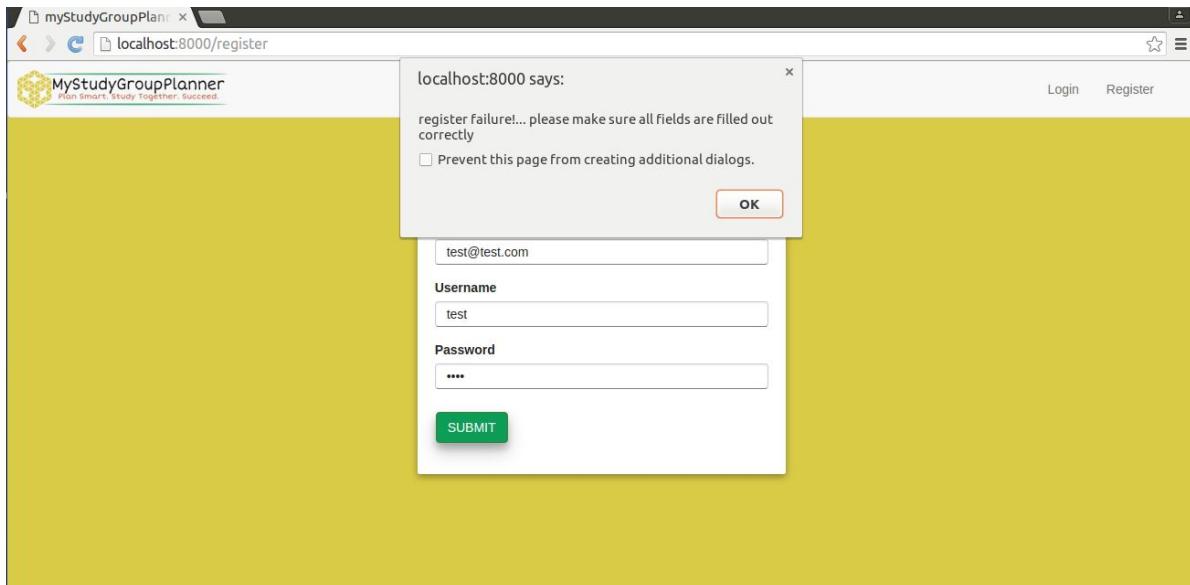


User enters in their name, email and password.



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

### Invalid Situation



User enters an email that already exists. A registration failure modal message is displayed.

#### 4.2.3 Use case: Create Group

Valid Situation

The image consists of two vertically stacked screenshots of a web-based application named "MyStudyGroupPlanner".

**Screenshot 1 (Top):**

- Header:** myStudyGroupPlanner | localhost:8000/home
- User Information:** yzhang Logout
- Main Content:**
  - Create Group Tab:** Contains fields for Group Name (Test), Class Info (Subject), and Maximum Number of Members (30). A note states "(Default of 30 members per group)". Buttons: CANCEL, CREATE GROUP.
  - My Groups Panel:** Shows existing groups: Test and Test2.
  - Calendar:** April 2016. The 27th is highlighted in red.

**Screenshot 2 (Bottom):**

- Header:** myStudyGroupPlanner | localhost:8000/home
- User Information:** yzhang Logout
- Main Content:**
  - Create Group Tab:** Contains fields for Group Name (Test3), Class Info (CMSC 447 2), and Maximum Number of Members (30). A note states "(Default of 30 members per group)". Buttons: CANCEL, CREATE GROUP.
  - My Groups Panel:** Shows existing groups: Test and Test2.
  - Calendar:** April 2016. The 27th is highlighted in red.

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

The screenshot shows the 'Create Group' page of the MyStudyGroupPlanner application. In the 'Group Name' field, 'Test3' is entered. Under 'Class Info', 'CMSC' is listed in the first dropdown, '447' in the second, and '2' in the third. A note below states '(Default of 30 members per group)'. Below the form are 'CANCEL' and 'CREATE GROUP' buttons. To the right, a 'My Groups' sidebar lists 'Test', 'Test2', and 'Test3'. At the bottom right is a calendar for April 2016.

A group is successfully created.

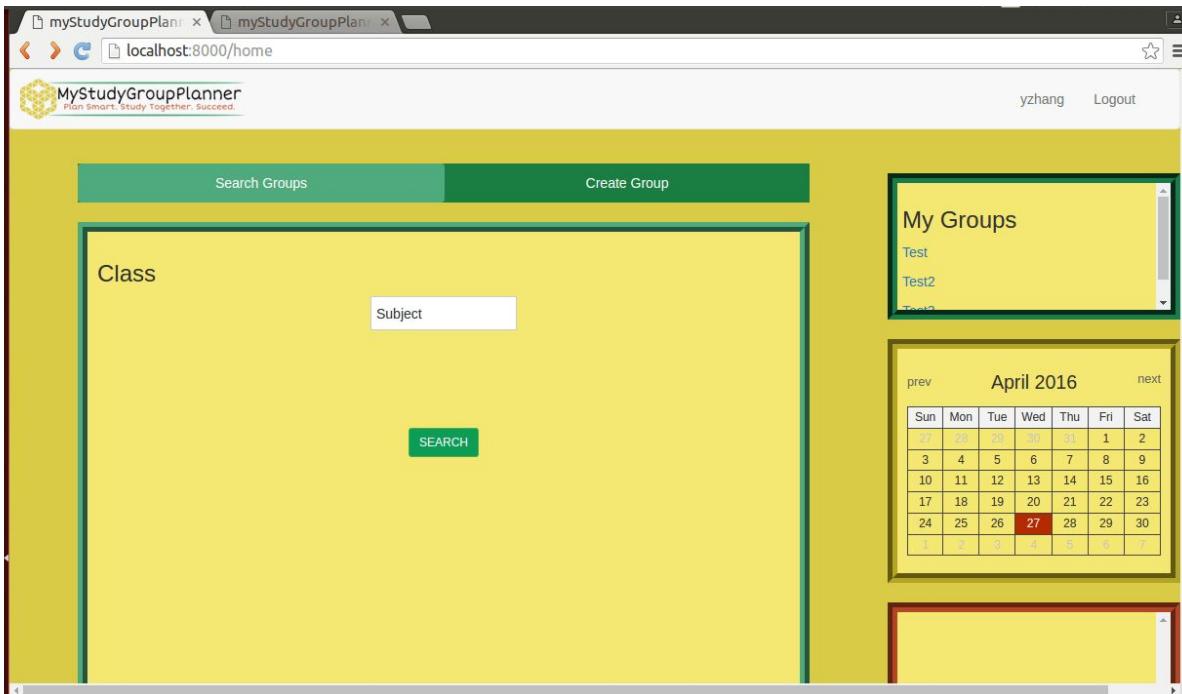
### Invalid Situation

The screenshot shows the 'Create Group' page again. In the 'Group Name' field, 'CMSC447' is entered. Under 'Class Info', only 'Subject' is listed in the dropdown. A note below states '(Default of 30 members per group)'. Below the form are 'CANCEL' and 'CREATE GROUP' buttons. To the right, a 'My Groups' sidebar lists 'Test', 'Test2', and 'Test3'. At the bottom right is a calendar for April 2016.

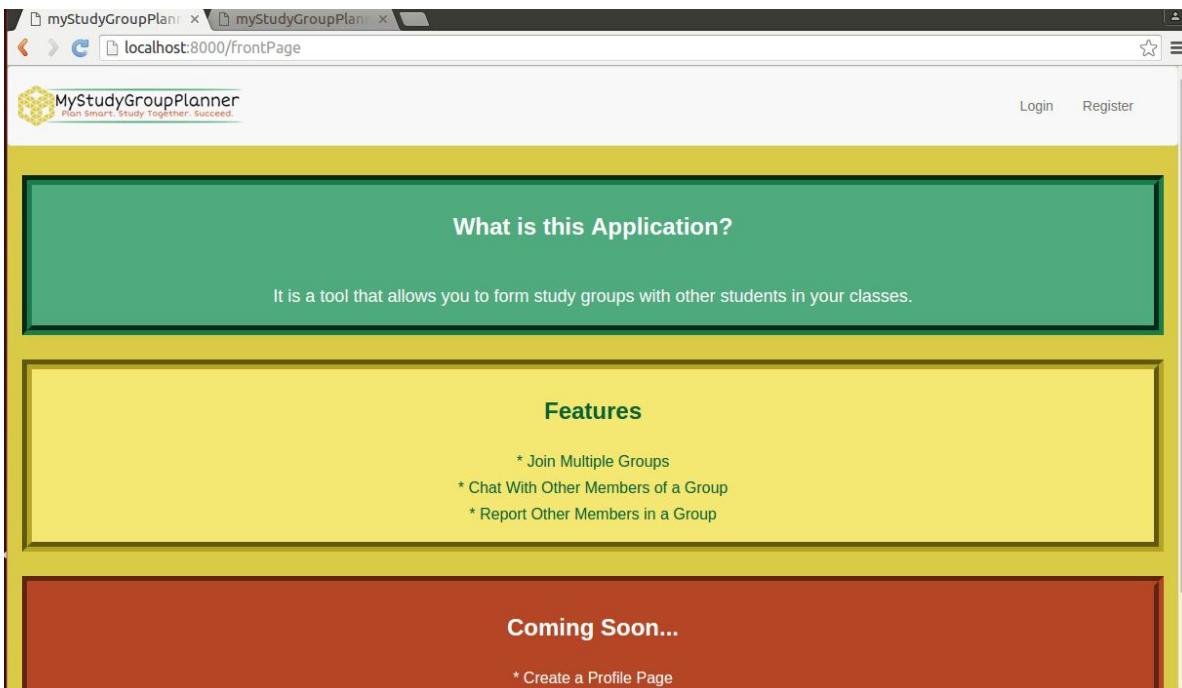
User enters invalid information

#### 4.2.4 Use case: Sign out of application

Valid Situation

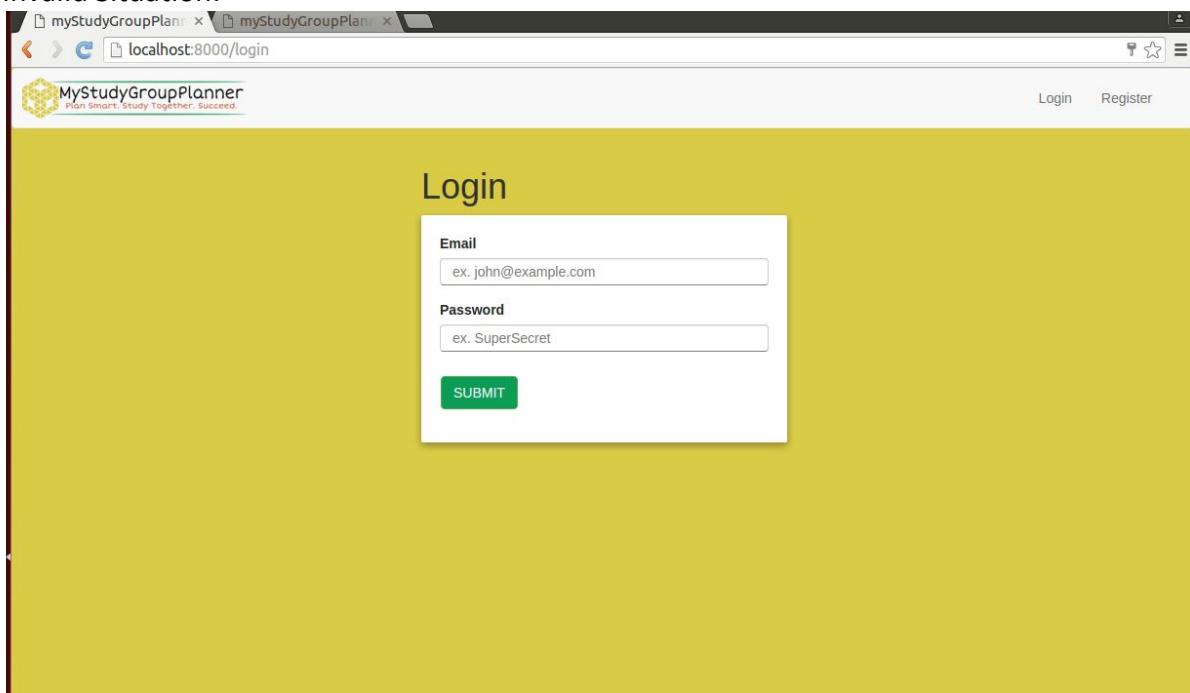


User clicks the logout button in the top right corner



User has successfully signed out of the application, and is redirected to the front page.

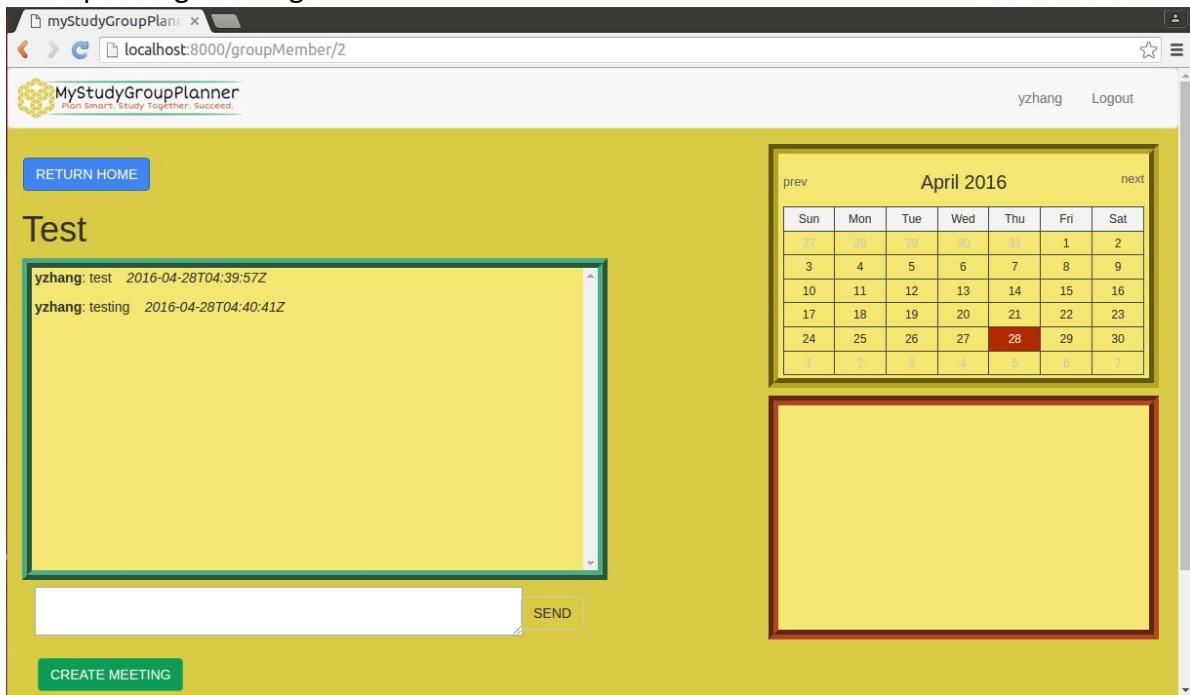
### Invalid Situation:

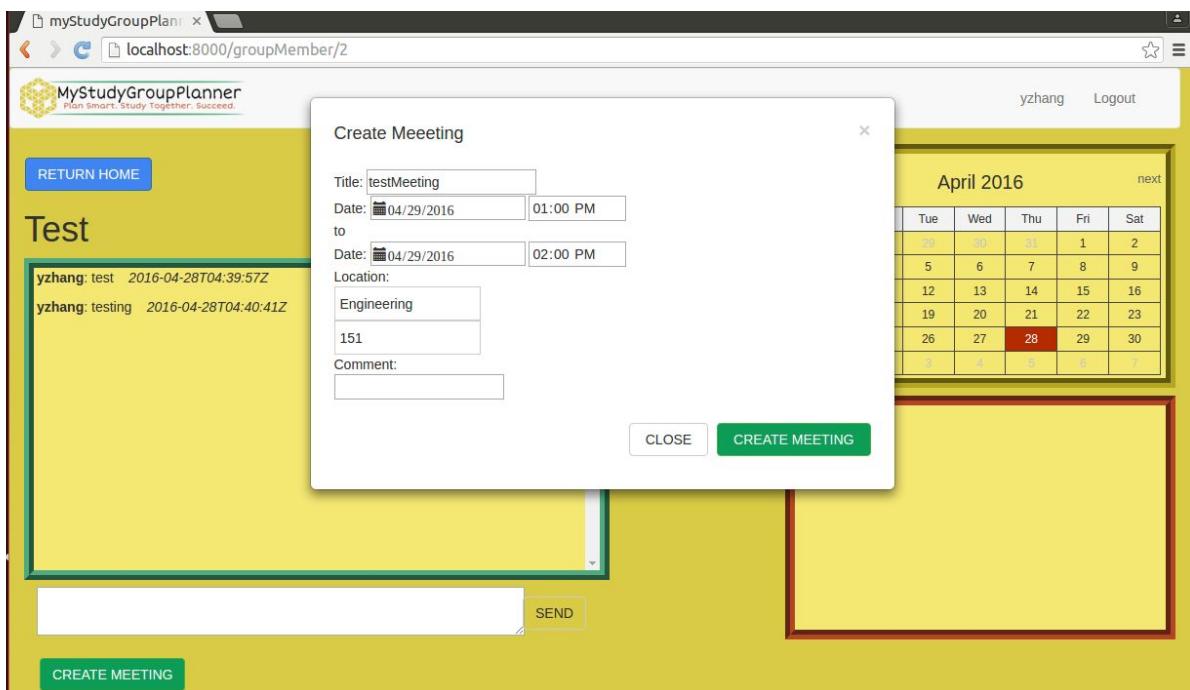
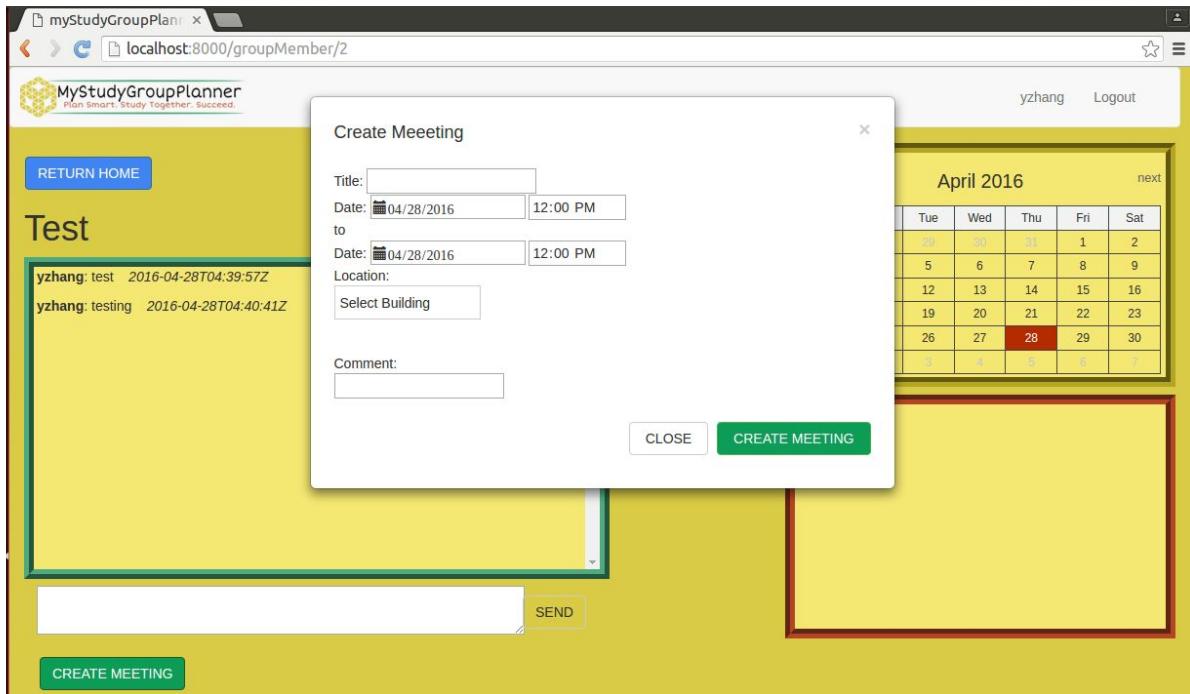


User is not logged in

### 4.2.5 Use Case: Schedule a meeting

Valid Situation: A user in a group selects the create meeting button and enters in the corresponding meeting data





Group creator enters all corresponding fields

The screenshot shows a web browser window for 'myStudyGroupPlanner' at 'localhost:8000/groupMember/2'. The user 'yzhang' is logged in. A modal dialog titled 'Create Meeeting' is open, containing fields for Title (testMeeting), Date (04/29/2016), Time (01:00 PM to 02:00 PM), Location (Engineering, 151), and Comment (comment). Below the form are 'CLOSE' and 'CREATE MEETING' buttons. A success message 'Meeting Created. Click close to exit.' is displayed. To the right of the dialog is a calendar for April 2016.

	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	
5	6	7	8	9	
12	13	14	15	16	
19	20	21	22	23	
26	27	<b>28</b>	<b>29</b>	30	
3	4	5	6	7	

Meeting is successfully scheduled by the group creator.

Invalid situation: A user is not in a group

The screenshot shows a web browser window for 'myStudyGroupPlanner' at 'localhost:8000/home'. The user 'bob' is logged in. The interface includes a search bar ('Search Groups'), a 'Create Group' button, and a 'My Groups' section which is currently empty. On the left, there is a 'Class' section with a 'Subject' input field and a 'SEARCH' button. On the right, there is a calendar for April 2016.

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	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	<b>28</b>	29	30	
1	2	3	4	5	6	7	

#### 4.2.6 Use Case: User leaves a group

Valid Situation: User is logged into the application, and clicks on the “Leave Group” button

The screenshot shows a web application window titled "Test2". On the left, there is a list of group members:

- yzhang: 1 2016-04-28T00:43:01Z
- yzhang: 2 2016-04-28T00:43:03Z
- yzhang: 3 2016-04-28T00:43:05Z

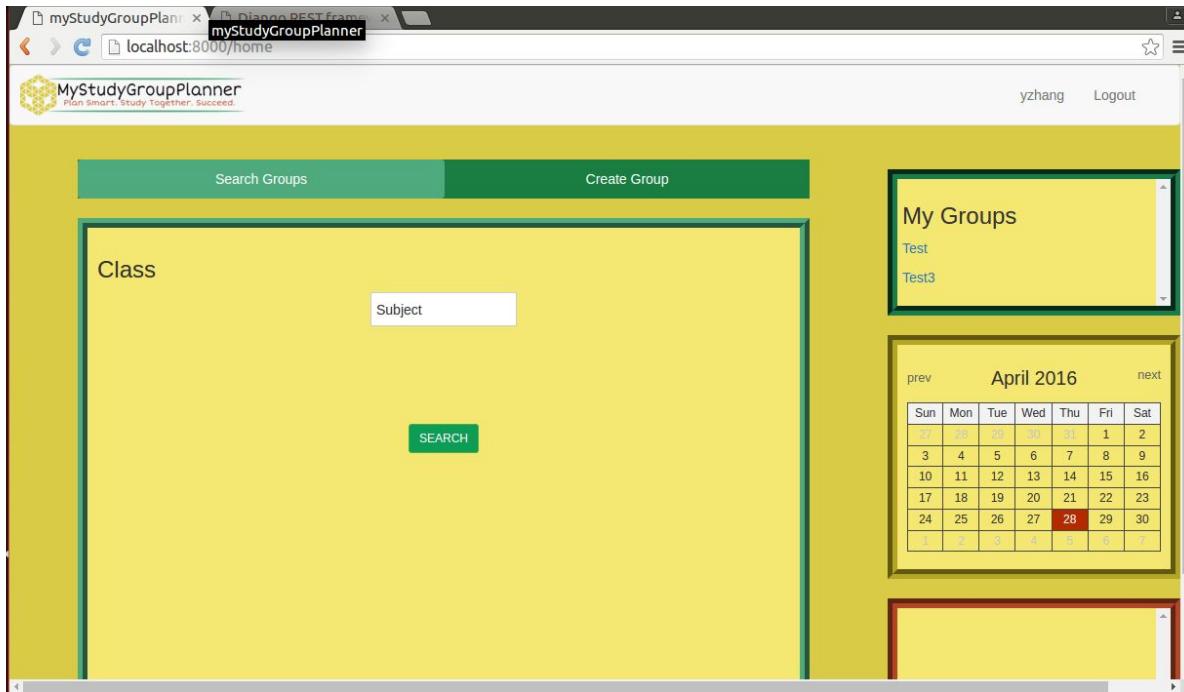
Below the member list is a text input field with a "SEND" button. Underneath the input field is a "CREATE MEETING" button. To the right of the member list is a calendar for April 2016, showing the days from 1 to 30. The day 27 is highlighted in red.

The screenshot shows the same application interface as above, but with a modal dialog box titled "Confirm to leave" overlaid. The dialog contains the following text:

Are you sure you want to leave the group?  
You are the group creator. This will delete the group!

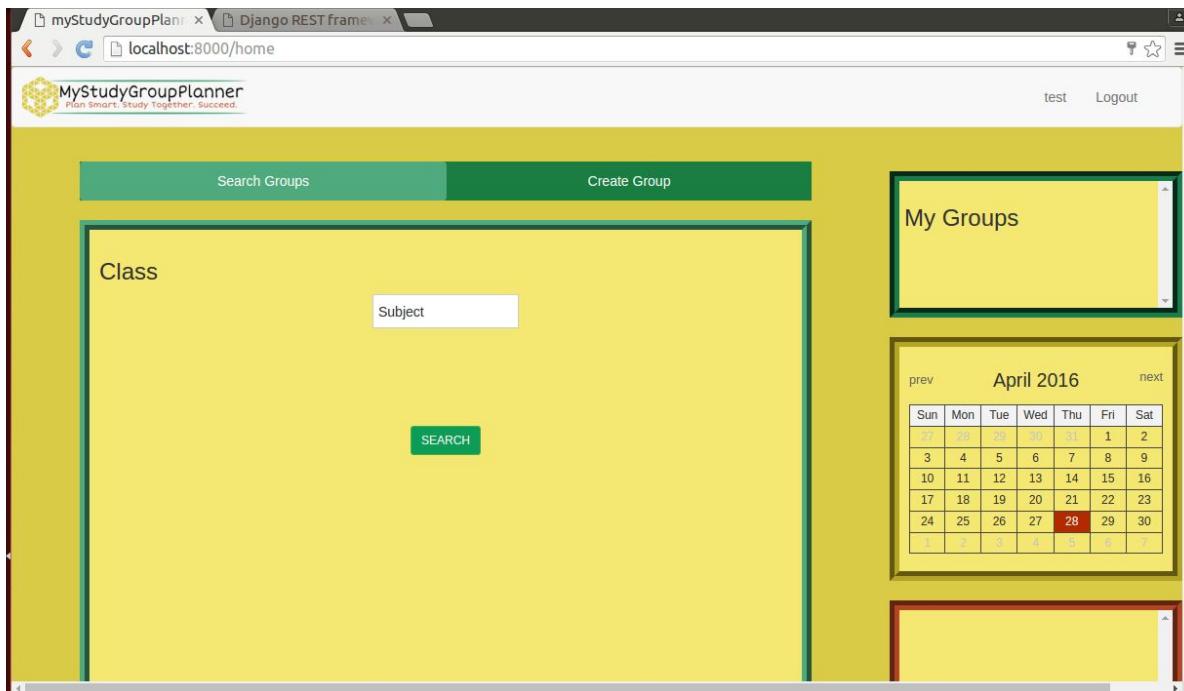
At the bottom of the dialog are two buttons: "YES" and "CANCEL".

User has successfully left the group, if they click “Yes”.



#### 4.2.7 User joins a searched for group

Valid situation: user joins a group that appeared in the search results



myStudyGroupPlan x Django REST frame x localhost:8000/home

MyStudyGroupPlanner Plan Smart. Study Together. Succeed.

test Logout

Search Groups Create Group

### Search results

Name	Subject	Class	Section	Owner	# Members	Capacity	Action
Test	CMSC	447	2	yzhang	1	30	<a href="#">Join Group</a>
Test3	CMSC	447	2	yzhang	1	30	<a href="#">Join Group</a>

[NEW SEARCH](#)

My Groups

prev April 2016 next

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	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
1	2	3	4	5	6	7

myStudyGroupPlan x Django REST frame x localhost:8000/home

MyStudyGroupPlanner Plan Smart. Study Together. Succeed.

test Logout

Search Groups Create Group

### Search results

Name	Subject	Class	Section	Owner	# Members	Capacity	Action
Test	CMSC	447	2	yzhang	2	30	<a href="#">IN GROUP</a>
Test3	CMSC	447	2	yzhang	1	30	<a href="#">Join Group</a>

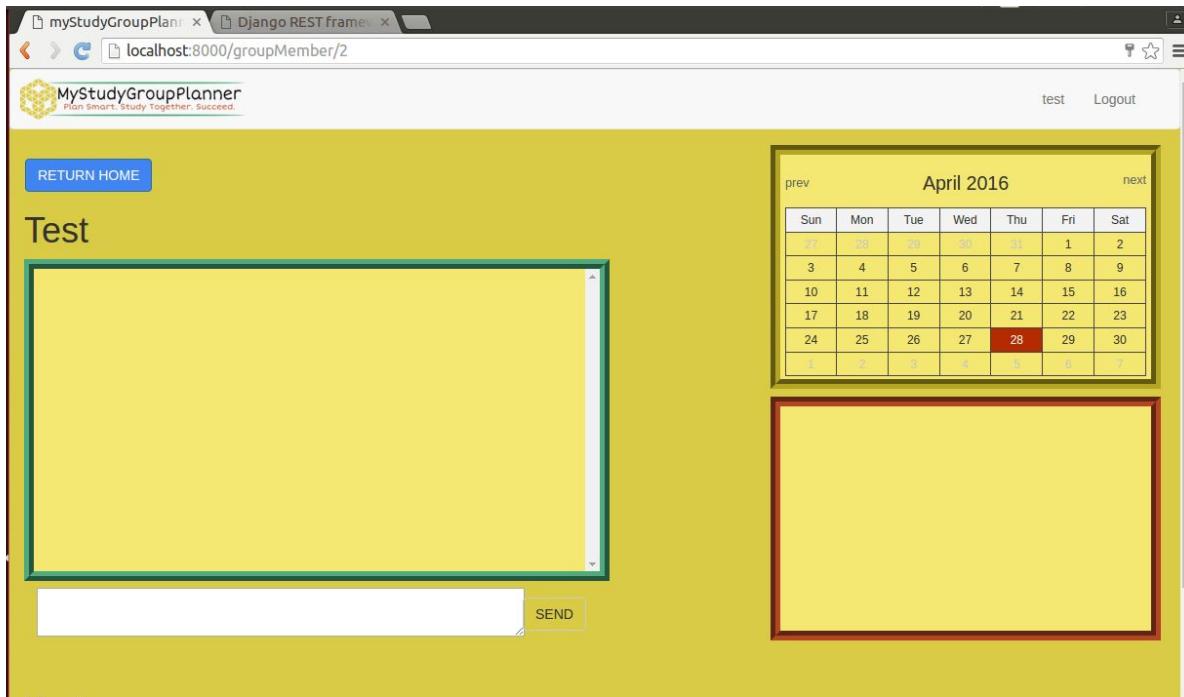
[NEW SEARCH](#)

My Groups

Test

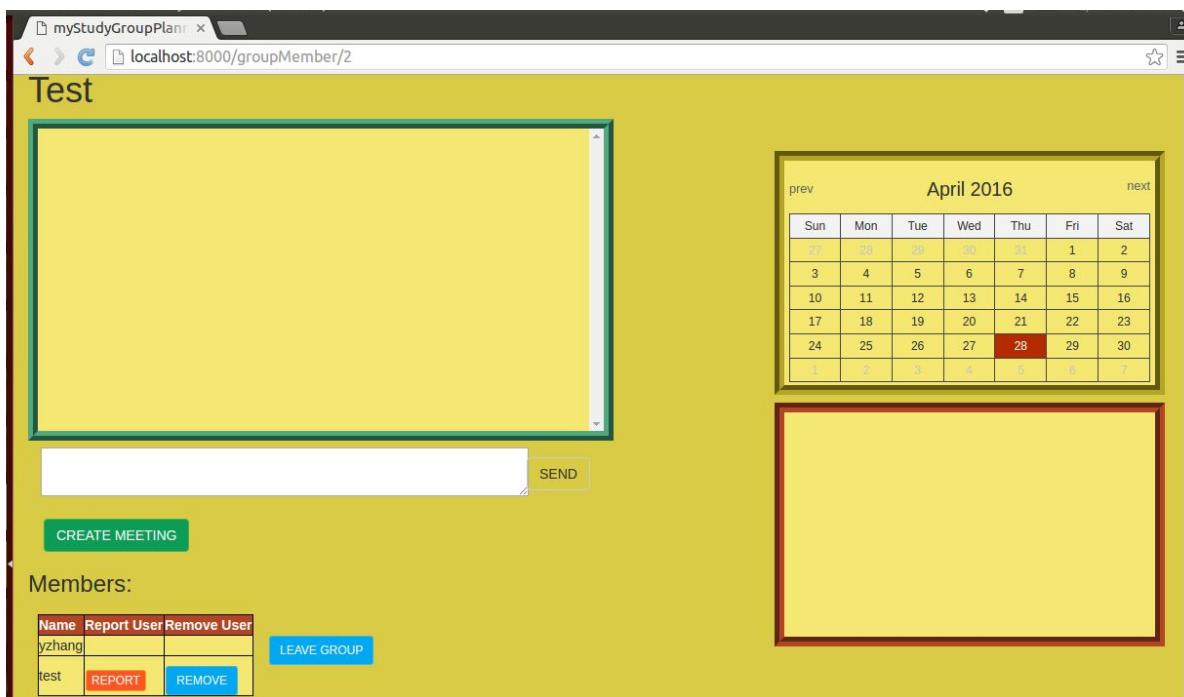
prev April 2016 next

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	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
1	2	3	4	5	6	7



#### 4.2.8 User case: Remove user from group

Valid Situation: Group Creator clicks the remove button next to a different user



myStudyGroupPlan x

localhost:8000/groupMember/2

## Test

Confirm to remove this member from the group

Are you sure you want to remove this member the group?

YES CANCEL

Tue Wed Thu Fri Sat

30	31	1	2			
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
1	2	3	4	5	6	7

next

SEND

CREATE MEETING

Members:

Name	Report User	Remove User
yzhang		
test	REPORT	REMOVE

LEAVE GROUP

Group creator successfully removes the group member from the group

myStudyGroupPlan x

localhost:8000/groupMember/2

## Test

Sun Mon Tue Wed Thu Fri Sat

27	28	29	30	31	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
1	2	3	4	5	6	7

prev next

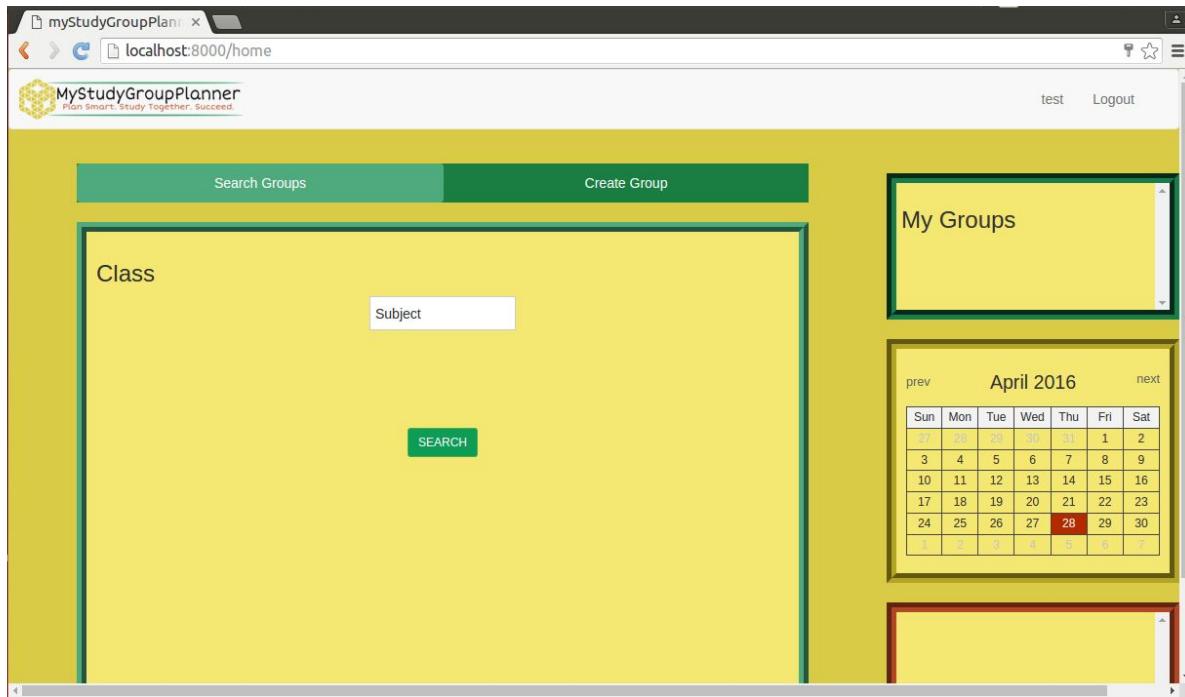
SEND

CREATE MEETING

Members:

Name	Report User	Remove User
yzhang		

LEAVE GROUP



#### 4.2.9 Use case: Group creator leaves group

Valid situation: The creator of the group clicks on the leave group button and the group is deleted for all users

myStudyGroupPlan x localhost:8000/groupMember/4

### Test3

SEND

CREATE MEETING

Members:

Name	Report User	Remove User
yzhang		

LEAVE GROUP

prev April 2016 next

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	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
1	2	3	4	5	6	7

myStudyGroupPlan x localhost:8000/groupMember/4

### Test3

SEND

CREATE MEETING

Members:

Name	Report User	Remove User
yzhang		

LEAVE GROUP

Confirm to leave

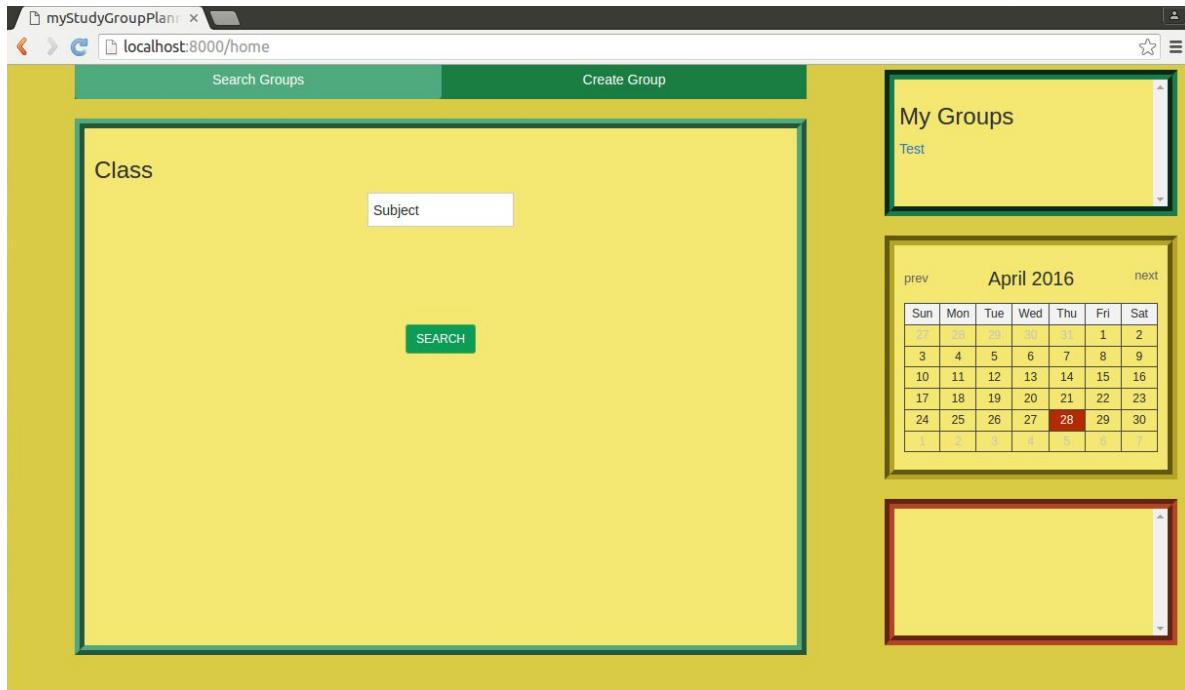
Are you sure you want to leave the group?

You are the group creator. This will delete the group!

YES CANCEL

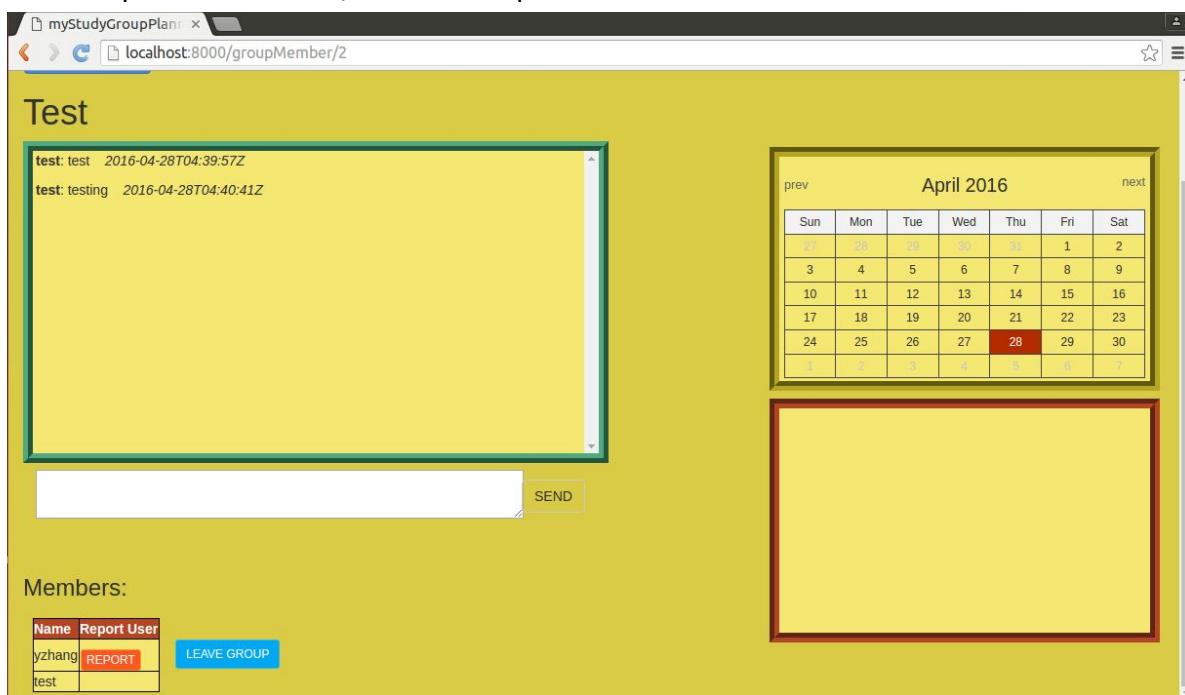
prev April 2016 next

Tue	Wed	Thu	Fri	Sat
29	30	31	1	2
5	6	7	8	9
12	13	14	15	16
17	18	19	20	21
24	25	26	27	28
1	2	3	4	5



#### 4.2.10 Use case: Submit 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 report



Report

Reporter: test

Reportee: yzhang

Comment:

CANCEL SEND

Members:

Name	Report User
yzhang	<a href="#">REPORT</a>
test	

April 2016

Tue	Wed	Thu	Fri	Sat
29	30	31	1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30
3	4	5	6	7

Report

Reporter: test

Reportee: yzhang

Comment: report

CANCEL REPORT SEND

Members:

Name	Report User
yzhang	<a href="#">REPORT</a>
test	

April 2016

Tue	Wed	Thu	Fri	Sat
29	30	31	1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30
3	4	5	6	7

User successfully reports another user in the group.

#### 4.2.11 Use case: 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

myStudyGroupPlanner x

localhost:8000/groupMember/2

MyStudyGroupPlanner Plan Smart. Study Together. Succeed.

yzhang Logout

RETURN HOME

## Test

yzhang: test 2016-04-28T04:39:57Z

SEND

CREATE MEETING

prev April 2016 next

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	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
1	2	3	4	5	6	7

A screenshot of a web application window titled "myStudyGroupPlanner". The URL is "localhost:8000/groupMember/2". The page displays a "Test" section with a message "yzhang: test 2016-04-28T04:39:57Z" and a "SEND" button. Below this is a "CREATE MEETING" button. To the right is a calendar for April 2016, showing the days from 27 to 30 of April, with April 28 highlighted in red. A large yellow rectangular area with a double border is positioned below the calendar.

myStudyGroupPlanner x

localhost:8000/groupMember/2

MyStudyGroupPlanner Plan Smart. Study Together. Succeed.

yzhang Logout

RETURN HOME

## Test

yzhang: test 2016-04-28T04:39:57Z

SEND

CREATE MEETING

prev April 2016 next

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	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
1	2	3	4	5	6	7

A second screenshot of the same web application window. It shows the same interface elements: "Test" section, message "yzhang: test 2016-04-28T04:39:57Z", "SEND" button, "CREATE MEETING" button, and the April 2016 calendar. The yellow double-bordered area is present below the calendar. In this version, the text input field contains the word "testing".

The screenshot shows a web browser window for 'myStudyGroupPlan' at 'localhost:8000/groupMember/2'. The header includes the logo 'MyStudyGroupPlanner' and the tagline 'Plan Smart, Study Together, Succeed.', along with user information 'yzhang' and 'Logout'. A 'RETURN HOME' button is visible.

The main content area has a yellow background and displays the word 'Test'. Below it is a text box containing two entries:

- yzhang: test 2016-04-28T04:39:57Z
- yzhang: testing 2016-04-28T04:40:41Z

A 'SEND' button is located below the text box, and a 'CREATE MEETING' button is at the bottom left. To the right of the text box is a calendar for April 2016, showing the days from 27 to 30 in blue, 1 to 9 in light green, and 28 in red. The month of April is highlighted with a red border.

#### 4.2.12 Use case: User Searches for a group

Valid situation: User on the homepage clicks the “search”, enters in desired fields, and clicks the search button

The screenshot shows a web browser window for 'myStudyGroupPlan' at 'localhost:8000/home'. The header includes the logo 'MyStudyGroupPlanner' and the tagline 'Plan Smart, Study Together, Succeed.', along with user information 'test1' and 'Logout'.

The main content area has a yellow background and features a search bar with the placeholder 'Search Groups' and a 'Create Group' button. Below the search bar is a section labeled 'Class' with a 'Subject' input field and a 'SEARCH' button.

To the right, there is a sidebar titled 'My Groups' which is currently empty. Below the sidebar is a calendar for April 2016, identical to the one in the previous screenshot, with the month of April highlighted in red.

The screenshot shows the MyStudyGroupPlanner application interface. At the top, there is a navigation bar with links for 'Search Groups' and 'Create Group'. On the left, a large search panel titled 'Class' contains input fields for 'CMSC', '447', and '2', with a 'SEARCH' button below them. To the right, a sidebar titled 'My Groups' is empty. Below the sidebar is a calendar for April 2016, showing the days from 27 to 30 of April.

This screenshot shows the same application interface after performing a search. The search results panel now displays a table with one row for 'Test'. The table columns are: Name, Subject, Class, Section, Owner, # Members, Capacity, and Action. The 'Action' column contains a blue 'Join Group' button. Below the table is a 'NEW SEARCH' button. The rest of the interface remains the same, including the 'My Groups' sidebar and the April 2016 calendar.

#### 4.2.13 Use case: Admin adds information

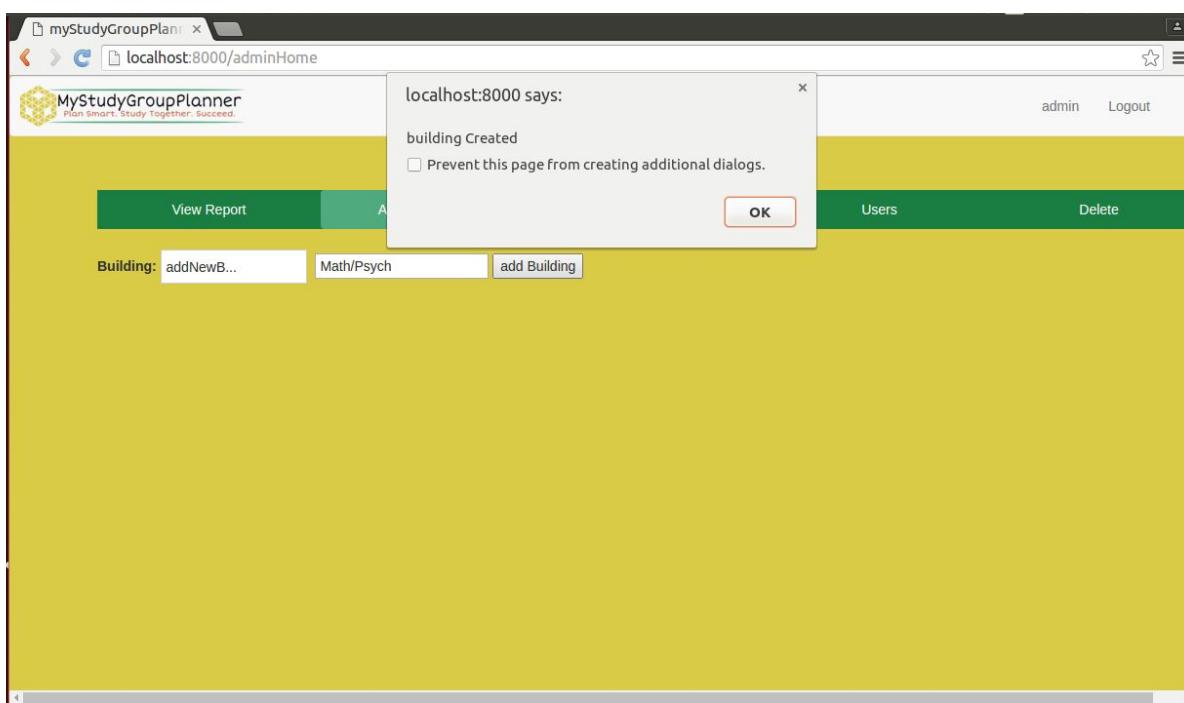
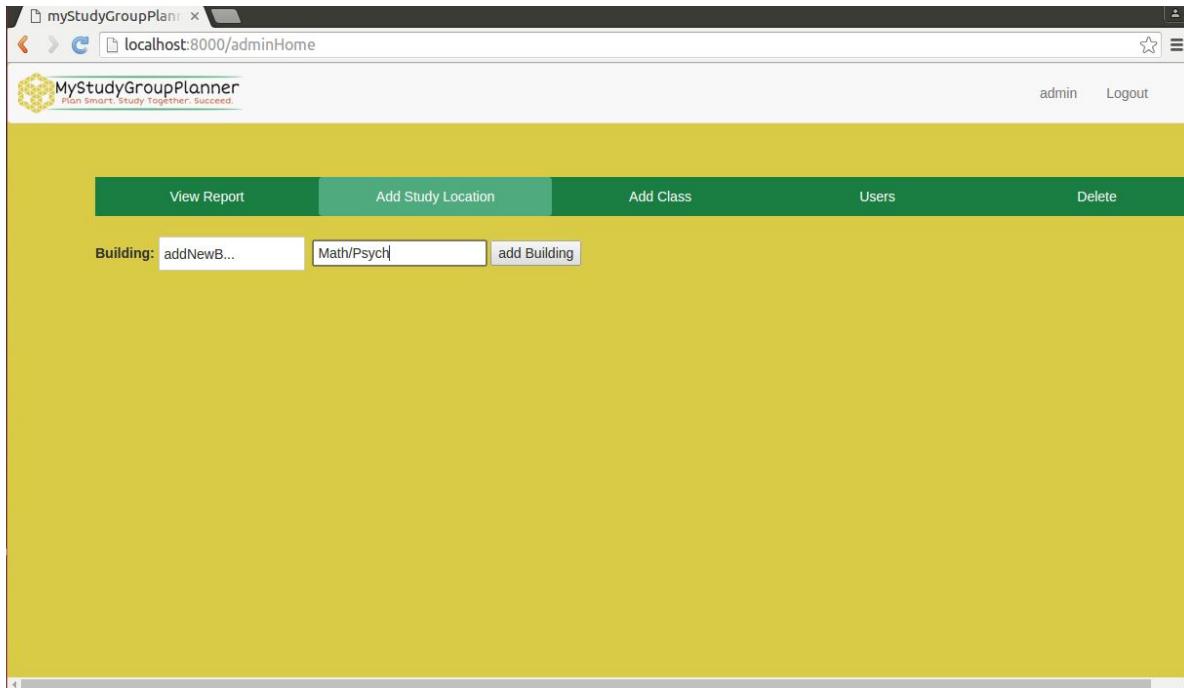
Valid situation: The Admin in the Admin Home page selects the “add study location” tab and enters data into the fields that appear

The figure consists of two screenshots of a web application interface. Both screenshots show the same layout: a header with a logo and navigation links, a top navigation bar with tabs, and a main content area.

**Screenshot 1 (Top):** The 'Add Study Location' tab is selected. The main content area displays a table with three rows of data:

Report Code	Reporter	Reportee	Date Submitted	Date Submitted
1	yzhang	test1	2016-04-28T05:38:24Z	<a href="#">VIEW</a>
2	test	yzhang	2016-04-28T05:52:22Z	<a href="#">VIEW</a>
3	test	yzhang	2016-04-28T05:55:06Z	<a href="#">VIEW</a>

**Screenshot 2 (Bottom):** The 'Add Study Location' tab is selected. The main content area contains a single input field with the placeholder text "Building: Buildings".



After the admin enters a new building and clicks on the “add Building” button, the building is successfully added to the database.

Invalid Situation: User is not admin, and is not able to get to the admin page

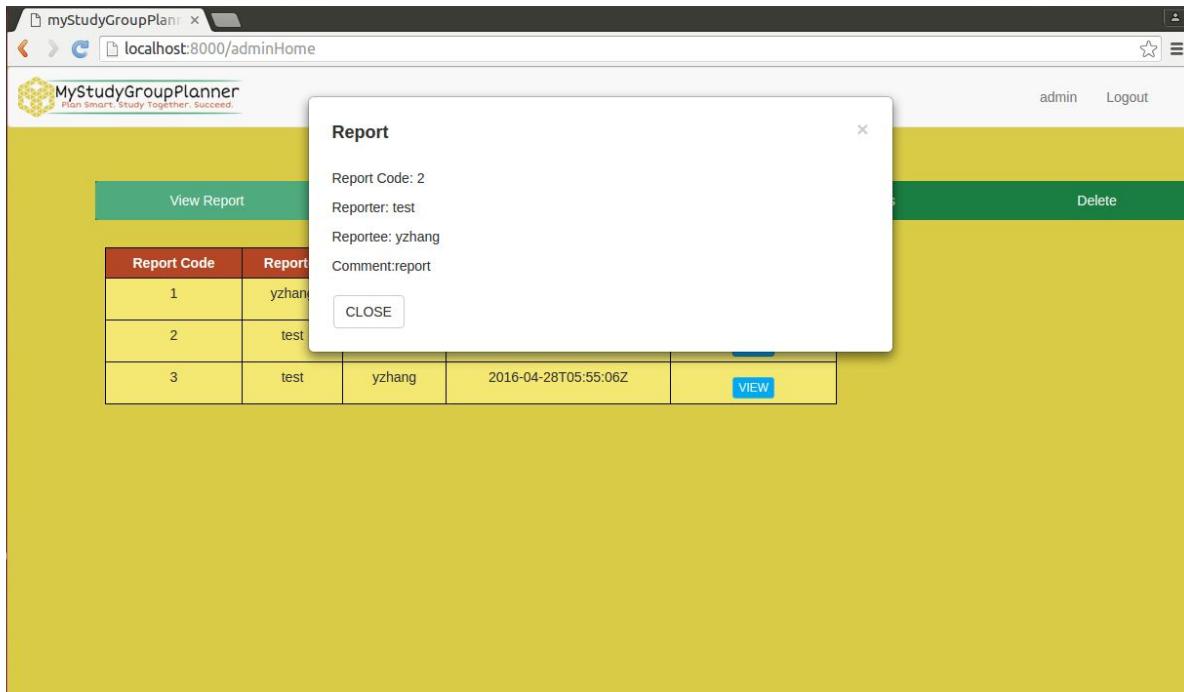
The screenshot shows the MyStudyGroupPlanner application interface. At the top, there is a header bar with the title "MyStudyGroupPlanner" and the tagline "Plan Smart. Study Together. Succeed.". On the right side of the header, there are links for "yzhang" and "Logout". Below the header, there is a navigation bar with two buttons: "Search Groups" and "Create Group". The main content area is divided into several sections. On the left, there is a large yellow section titled "Class" containing a search form with a "Subject" input field and a "SEARCH" button. To the right of this is a sidebar titled "My Groups" which lists "Test" and "Test11". Further to the right is a calendar for April 2016, showing the days from 27 to 30 of April. The bottom right corner of the calendar has a red border.

#### 4.2.14 Use case: Admin views report

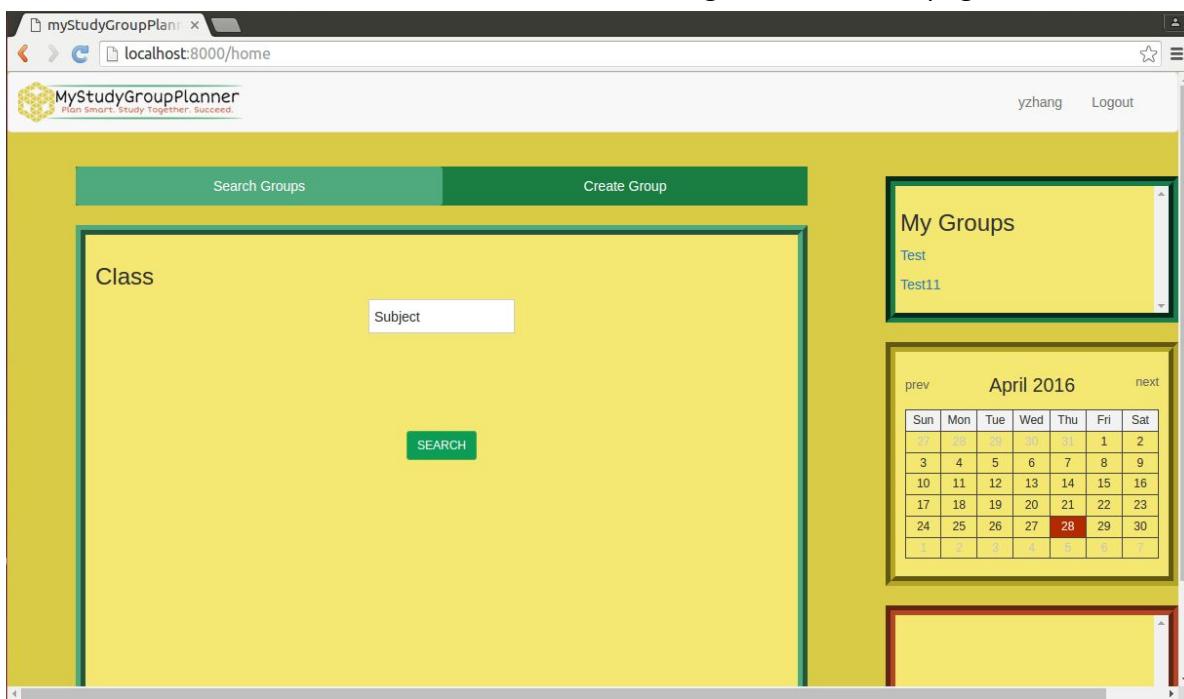
Valid situation: An administrative user is able to navigate to the “admin Home” page and view the report tab

The screenshot shows the MyStudyGroupPlanner application interface for an administrator. The top header bar includes the title "MyStudyGroupPlanner" and the tagline "Plan Smart. Study Together. Succeed.", the user name "admin", and a "Logout" link. Below the header, there is a navigation bar with five tabs: "View Report", "Add Study Location", "Add Class", "Users", and "Delete". The main content area displays a table with three rows of data under the "View Report" tab. The table columns are "Report Code", "Reporter", "Reportee", "Date Submitted", and "Date Submitted". Each row contains a "VIEW" button in the last column. The data in the table is as follows:

Report Code	Reporter	Reportee	Date Submitted	Date Submitted
1	yzhang	test1	2016-04-28T05:38:24Z	<a href="#">VIEW</a>
2	test	yzhang	2016-04-28T05:52:22Z	<a href="#">VIEW</a>
3	test	yzhang	2016-04-28T05:55:06Z	<a href="#">VIEW</a>



Invalid Situation: User is not admin, and is not able to get to the admin page



#### 4.2.15 Use case: View meeting detail

Valid situation: User clicks on meeting from the homepage

The screenshot shows the homepage of the MyStudyGroupPlanner application. At the top, there is a navigation bar with links for 'Search Groups' and 'Create Group'. Below this is a large yellow 'Class' section containing a search form with a 'Subject' input field and a 'SEARCH' button. To the right of the class section is a sidebar titled 'My Groups' which lists 'Test' and 'Test11'. Further down the page is a calendar for April 2016.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	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
1	2	3	4	5	6	7

This screenshot is similar to the one above, showing the homepage of the MyStudyGroupPlanner application. It features a 'Class' section with a search form, a 'My Groups' sidebar with 'Test' and 'Test11', and a calendar for April 2016. In addition, there is a red-bordered box at the bottom right containing information about a meeting:

**testMeeting**  
01:00PM - 02:00PM  
Engineering, room# 151  
Group: Test, Attendance: 1  
comment

Invalid situation: User does not have any meetings they are attending

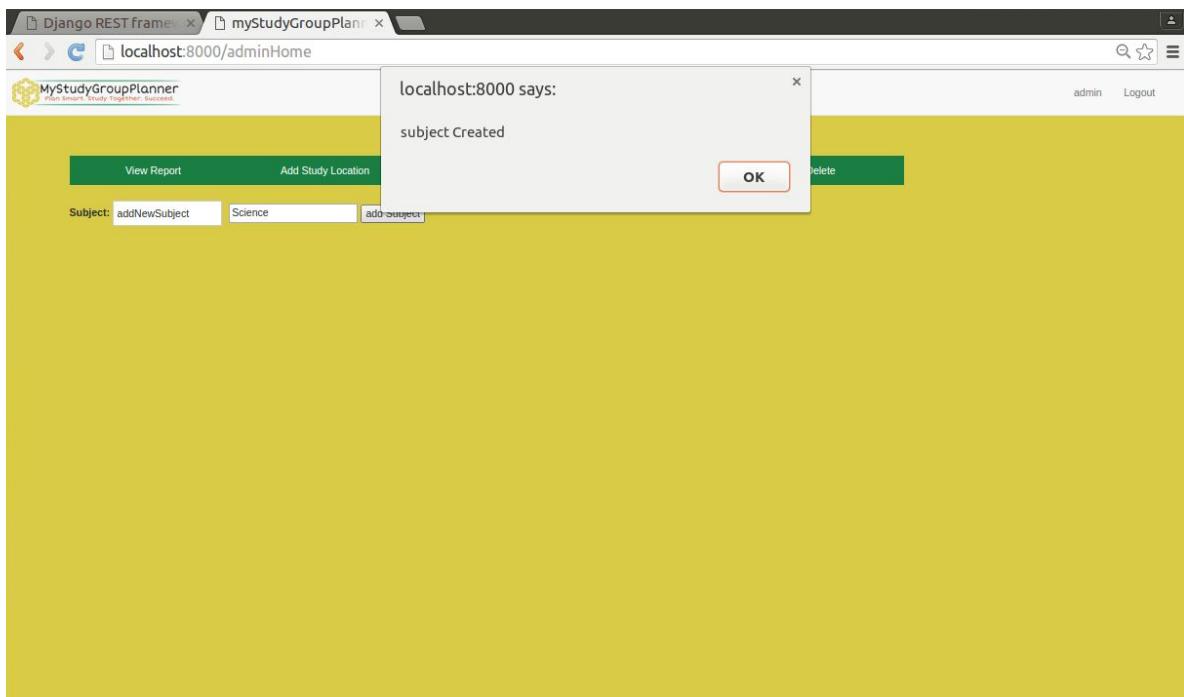
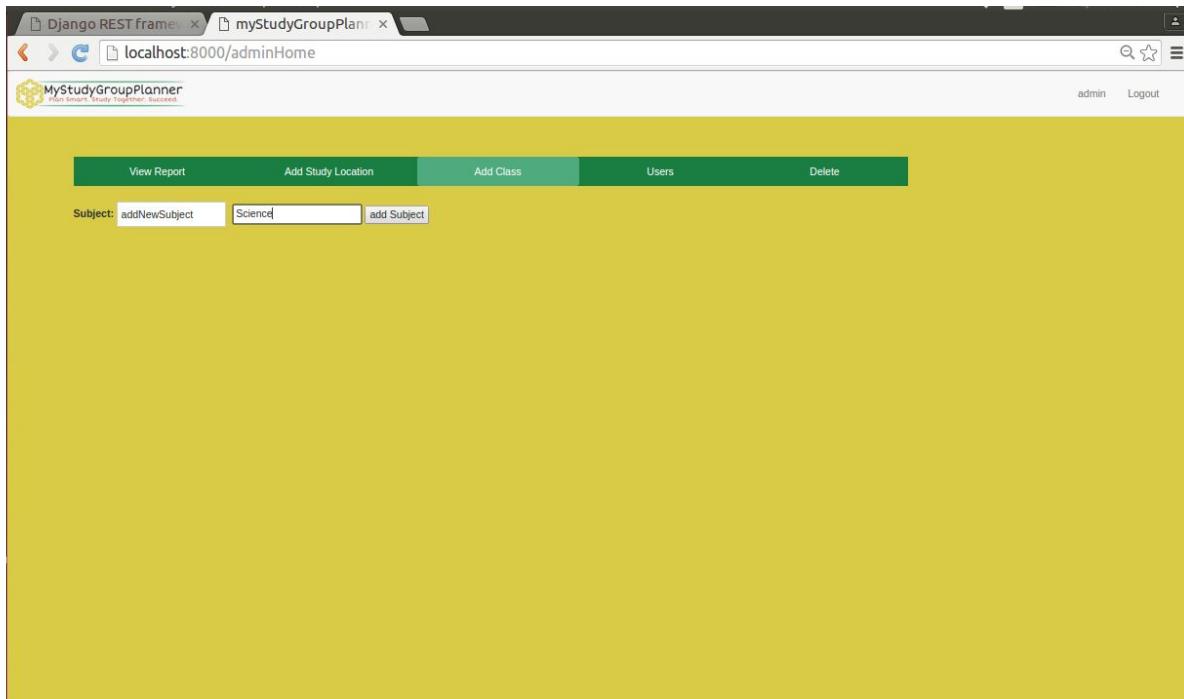
The screenshot shows the MyStudyGroupPlanner application's home page. At the top, there is a navigation bar with links for 'Search Groups', 'Create Group', 'Logout', and a user account for 'bob'. Below the navigation bar, there are two main sections: 'Class' on the left and 'My Groups' on the right. The 'Class' section contains a search form with a 'Subject' input field and a 'SEARCH' button. The 'My Groups' section displays a calendar for April 2016. The calendar grid shows dates from Sunday, April 1, to Saturday, April 30. The date '28' is highlighted in red, indicating a meeting or event.

In this case, no meetings are displayed in the box under the calendar.

#### 4.2.16 Use case: Admin adds class

Valid situation: The Admin in the Admin Home page selects the “add class” tab and enters data into the fields that appear

The screenshot shows the Django REST framework's admin interface for the MyStudyGroupPlanner application. The top navigation bar includes links for 'View Report', 'Add Study Location', 'Add Class', 'Users', and 'Delete'. The 'Add Class' tab is currently selected. Below the tabs, there is a search bar labeled 'Subject' with the placeholder text 'Subjects'.



An admin user successfully adds a class

Invalid situation: User is not admin, and is not able to get to the admin page

The screenshot shows a web application window titled "myStudyGroupPlanner" at "localhost:8000/home". The top navigation bar includes a logo, a search bar, and user information ("yzhang Logout"). Below the header, there are two main sections: "Search Groups" and "Create Group". A large yellow area labeled "Class" contains a "Subject" input field and a "SEARCH" button. To the right, a sidebar titled "My Groups" lists "Test" and "Test11". At the bottom right, a calendar for April 2016 is displayed, showing dates from 17 to 30. Navigation arrows for the calendar are labeled "prev" and "next".

Sun	Mon	Tue	Wed	Thu	Fri	Sat
17	18	19	20	21	22	23
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
1	2	3	4	5	6	7

## **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

## **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:

## **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