

UI Design Document

MyStudyGroupPlanner

Version 1.2

Client

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MyStudyGroupPlanner

User Interface Design Document

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1. Changes in this Document

Appendices A and B have been added.

2. Introduction

2.1. Purpose of This Document

The purpose of this document is to demonstrate to the user how to utilize with the MyStudyGroupPlanner web application. An user interface walkthrough of the web application will be provided with images displaying different features and purpose of the application. By understanding this document, the user would have an visual representation of the interface they will be interacting with and comprehensively understand the purpose of the application.

2.2. References

1. MyStudyGroupPlanner System Requirement Specification

3. User Interface Standards

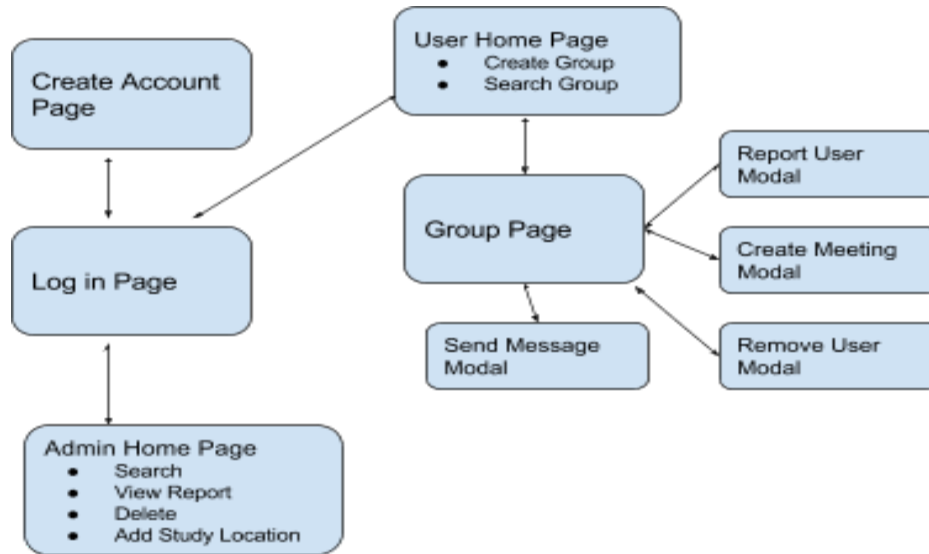
This section contains an overview of the design standards that will be maintained in the MyStudyGroupPlanner application. In order to provide a consistent and smooth work flow for the user when using the application, a consistent format of the web application is placed. As demonstrated by Figure 1.4, the logo of the application will always be centered at the top of the page and the username will be displayed on the top right hand corner. The home page of the application consists of important information about the user's current group enrollment as well as any upcoming group meetings the user wishes to attend. To ensure that the web application is intuitive for the users, the user is able to click on the logo on the top of the page or click on the return home button to navigate back to the home page. Furthermore, switching between the group pages can be accomplished on the homepage by clicking on the name of the group on the home page.

For the pages that require multiple core functionalities, a tabs bar is shown for users to select to perform different tasks. For instance, the home page of the application contains two tabs, "Search" and "Create Group", for users to easily change between the two tabs (Figure 1.4). In addition, when further user inputs are needed when user clicks on certain buttons, a modal pop-up will overlay the current page and prompt the user for inputs. For example, when an user decides to set up a meeting within a group and clicks on the "Create Meeting" button on the group page (Figure 1.5), a modal pop-up will be shown to allow the users to input details about the meeting.

4. User Interface Walkthrough

4.1. MyStudyGroupPlanner Navigation Diagram

The following navigation diagram or sitemap explains possible user flow through the system.



4.2. MyGroupStudyPlanner Walkthrough

4.2.1. Front Page

The first page the user would see when using the application is the application's front page, shown in Figure 1.1, that provides a basic description of the application and lists current features, and features that will be released in the future.

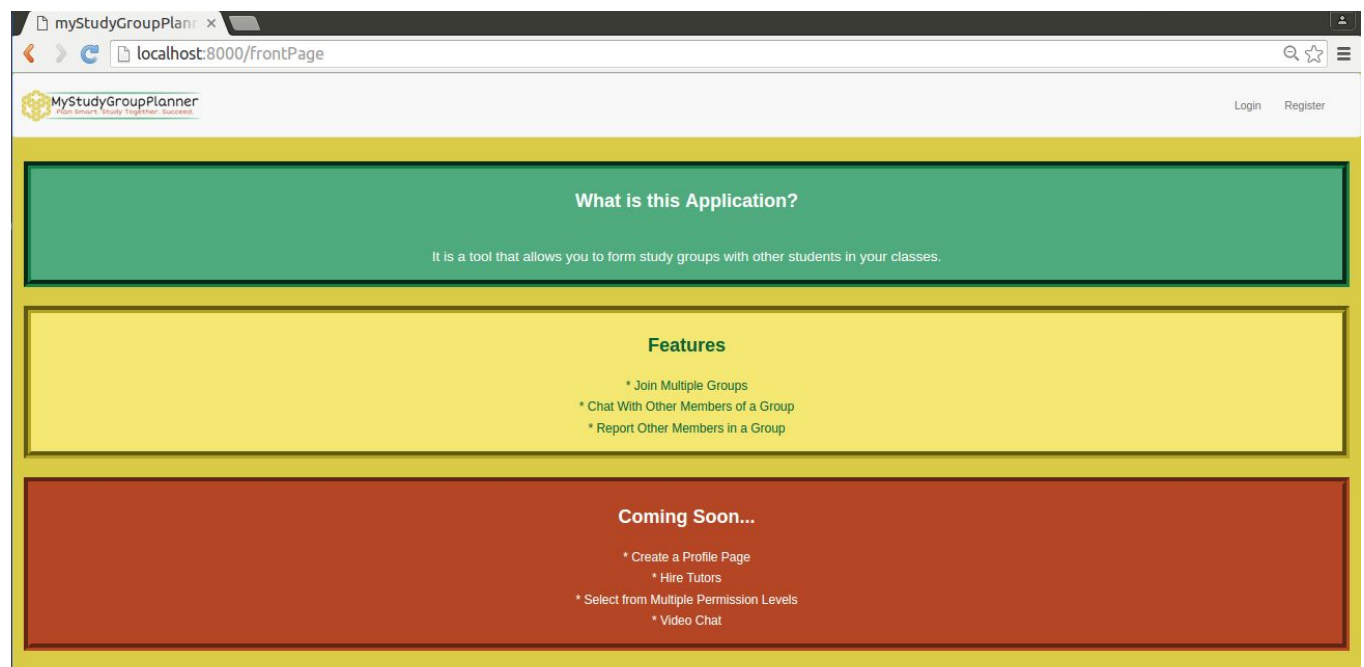


Figure 1.1

4.2.2. Log in

The next page the user will be interacting with when starting to explore the application is the login page. If the user already has an account, they are required to input their email and password in order

to log into the application. If not, they must click the “Register” button at the top right corner of the webpage, as shown in Figure 1.2.

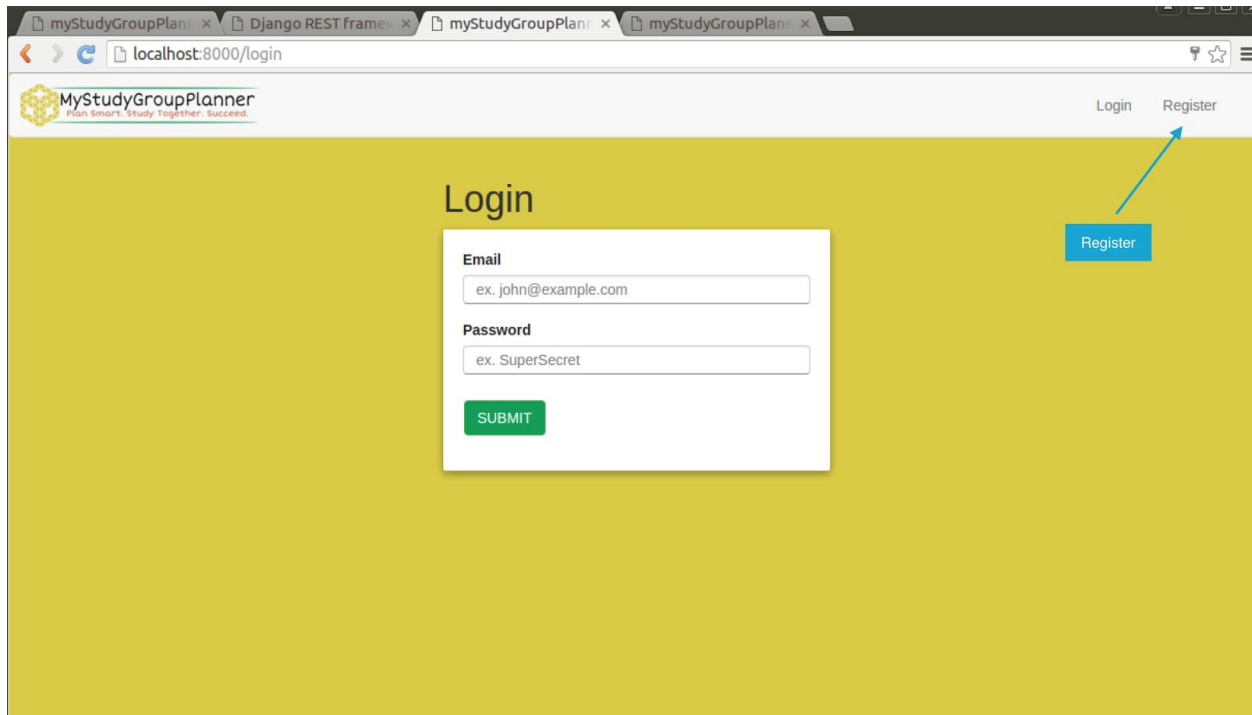


Figure 1.2

4.2.3. Create Account

If the user has not registered for an account, they must enter an email, username, and password in order to register for a MyStudyGroupPlanner account.

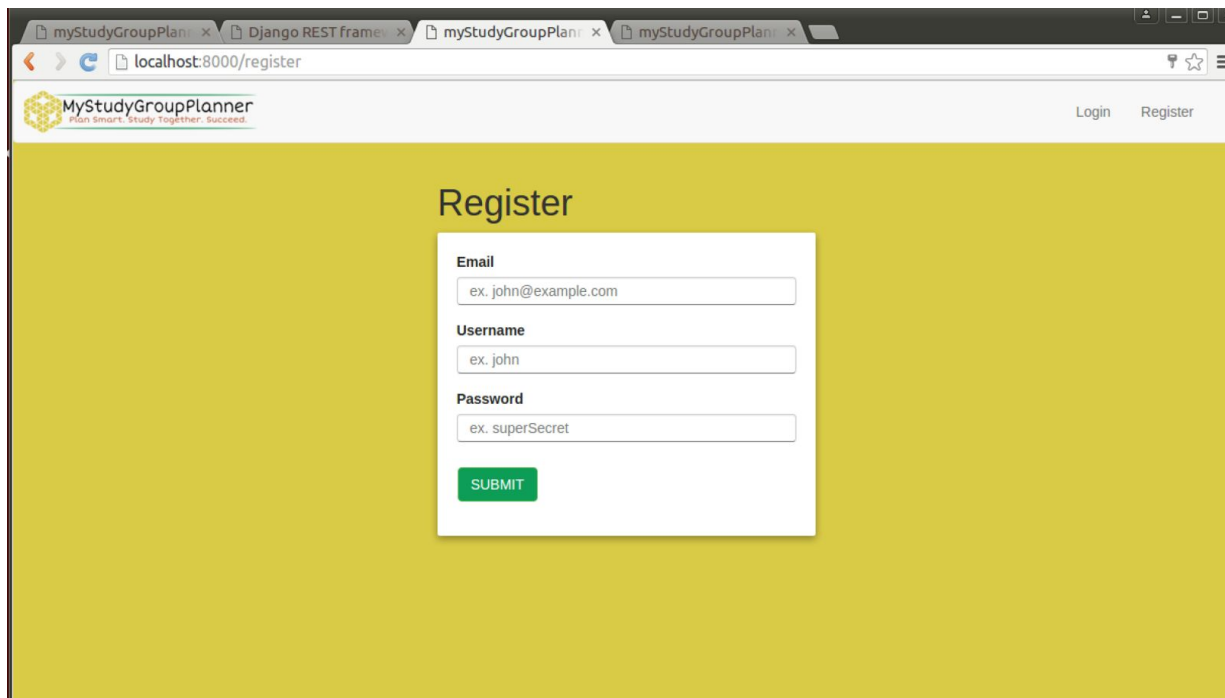


Figure 1.3

4.2.4. Home Page

After the user has successfully created an account and logged into the application, the home page will be shown. On the right-hand side of the page, several notable panels such as a list of currently enrolled groups, upcoming meetings, and meeting details, will be accessible for the users. The top of the page includes three different tabs, “Search” and “Create Group” for users to easily switch tabs.

Figure 1.4 shows the “Search” tab which allows users to search for a study group for a class, by selecting a subject, class, and section from the provided drop-down menus.

The screenshot shows a web browser window with the URL 54.165.138.249/home. The page title is "myStudyGroupPlanner" and the user is logged in as "linsiqi1". The page has a green header with two tabs: "Search Groups" (selected) and "Create Group". The main content area is yellow. On the left, there is a "Class" section with three dropdown menus: "Computer Science", "CMSC447", and "1". Below these is a green "SEARCH" button. On the right, there is a "My Groups" section with two links: "Sean's CMSC447 Group!" and "Sandy's Group". Below that is a calendar for April 2016. The calendar shows the days of the week and the dates. The date 28 is highlighted in red. Below the calendar is a red-bordered box.

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

Figure 1.4

Upon clicking the search button after selecting the subject, class and section, the search results will be displayed, as shown by Figure 1.5. The search results include information about the name of the group, the subject, class, and section, the owner of the group, the number of users who are currently enrolled in the group, the number of group members allowed to join the group, as well as an option for the user to join the

group.

The screenshot shows a web browser window with the URL 54.165.138.249/home. The browser's address bar and tabs are visible. The website's header includes the logo "MyStudyGroupPlanner" with the tagline "Plan Smart. Study Together. Succeed." and a user profile "linsiqi1" with a "Logout" link. The main content area has two tabs: "Search Groups" (active) and "Create Group".

Search results

Name	Subject	Class	Section	Owner	# Members	Capacity	Action
Sean's CMSC447 Group!	Computer Science	CMSC447	1	classic	4	20	IN GROUP
TestGroup1	Computer Science	CMSC447	1	test	1	20	Join Group
Sandy's Group	Computer Science	CMSC447	1	linsiqi1	1	30	IN GROUP

Below the table is a green button labeled "NEW SEARCH".

My Groups

Sean's CMSC447 Group!
Sandy's Group

Calendar

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

Figure 1.5

In order to create a study group, the user needs to click on the “Create Group” tab and input the name of the group first. After the user enters the group name, a subject selection is required through the drop-down list. Depending on the subject that the user has chosen, the available classes of the subject would be dynamically populated and upon choosing the class, the available sections would be populated based on the class selection(Figure 1.6).

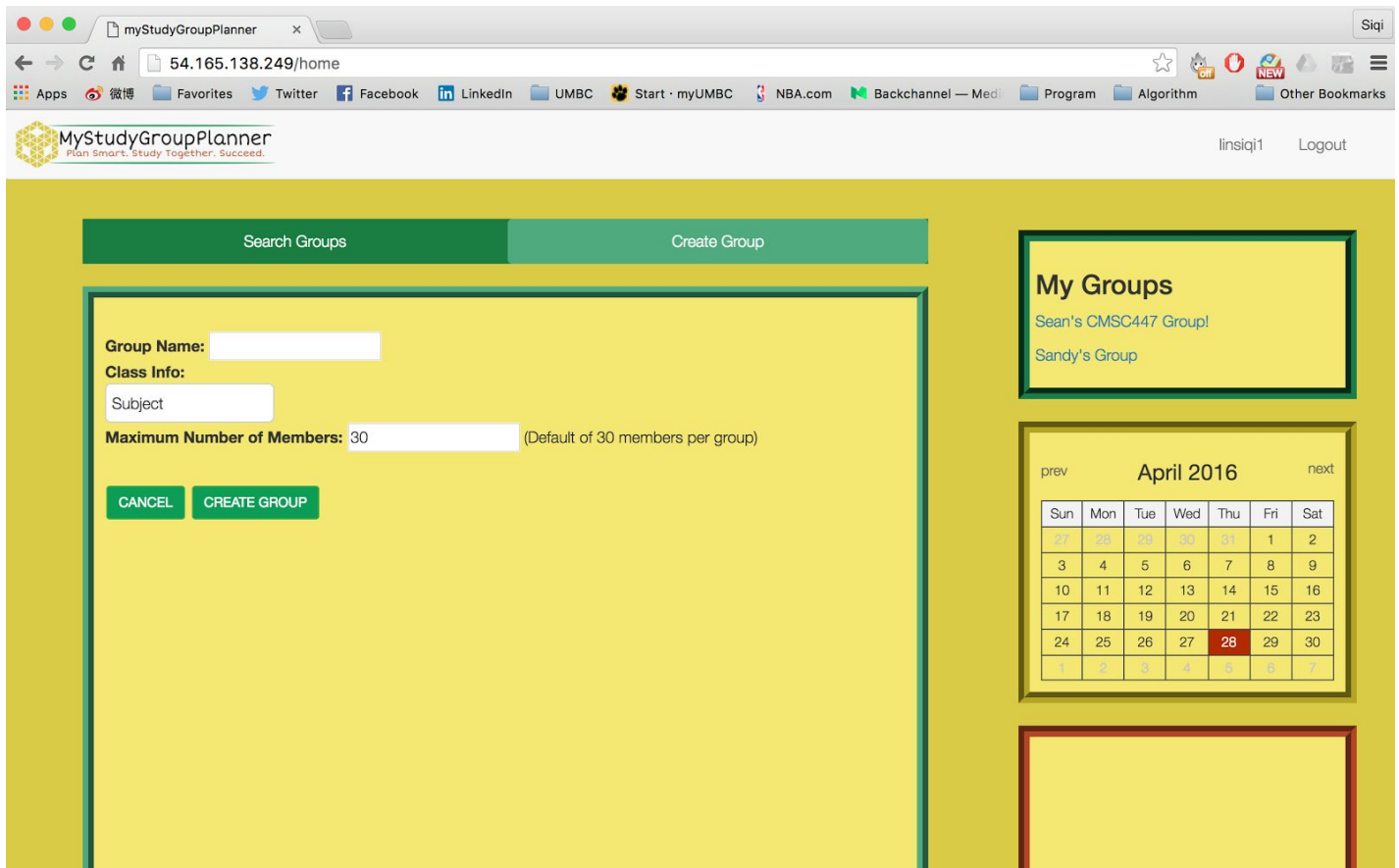


Figure 1.6

4.2.5. Group Page

The group page consists of important information about a particular group in which the user has enrolled. For the regular users, a list of group members are listed with the option of reporting them to the system administrator if improper behavior is noticed. In order to communicate with other group members, there's a messaging system within the group for the user to send notifications to other members in the group. Notice that if the user decides to dismiss himself/herself from the group, they can click on the "Leave Group" button to do so. On the right hand side of the group page, there's a calendar displaying the meetings times for the date the user has selected on the calendar. (Figure 1.7)

Figure 1.8 shows the group page view for the group creator, who is given more permissions over the group, such as the permission to remove a particular user. Figure 1.9 shows the modal popup when the "Report" button is clicked for a group member. This form is used to submit a complaint report about any group member. Figure 1.10 shows the modal popup when the "Create Meeting" button is clicked. This form is used to create a meeting date for the group.

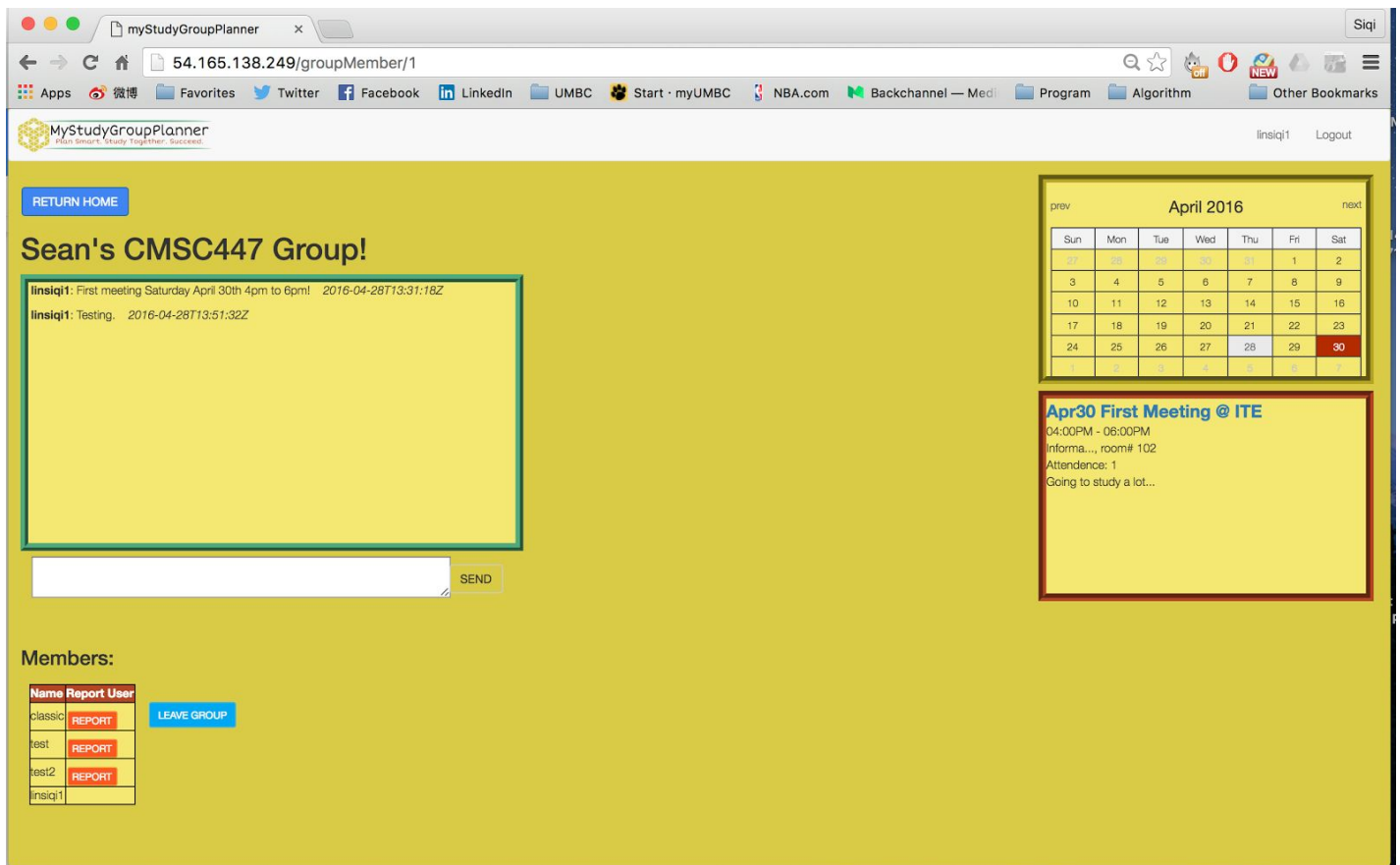


Figure 1.7

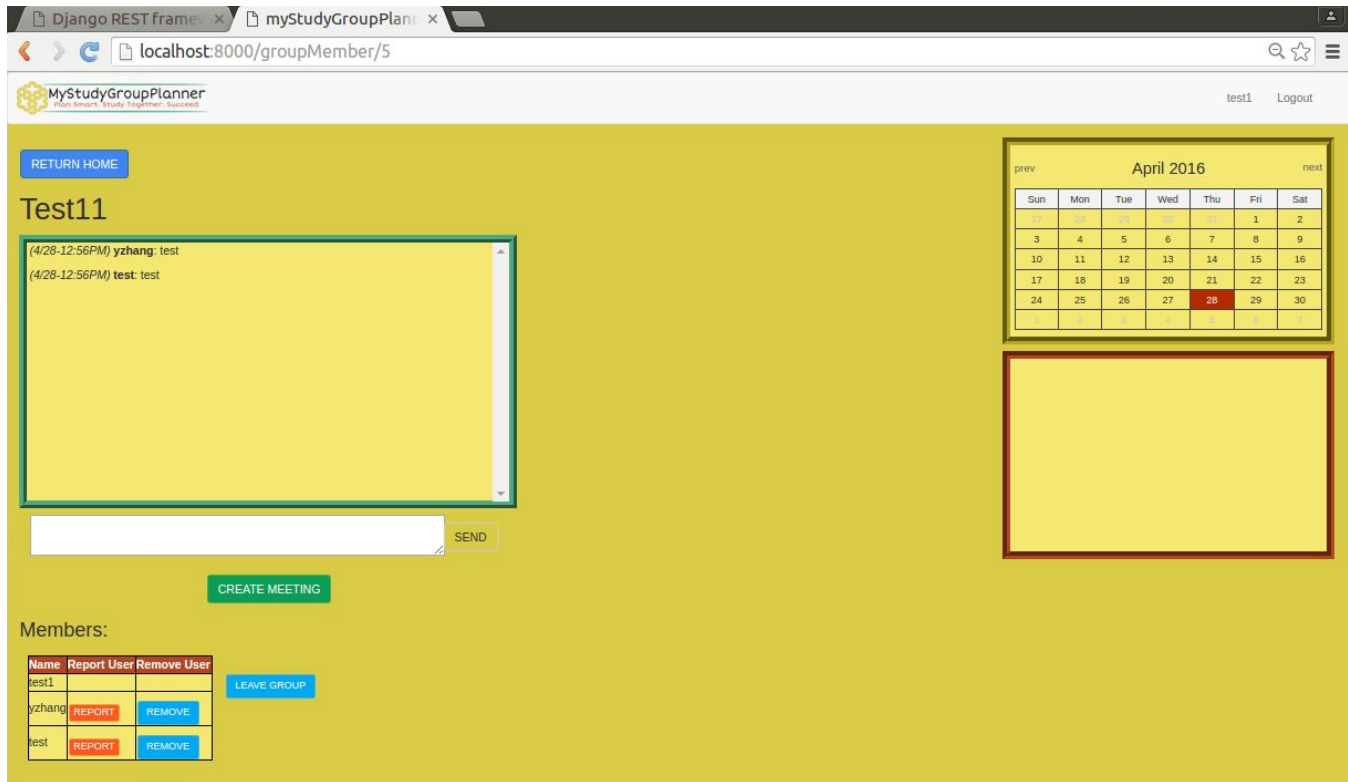


Figure 1.8

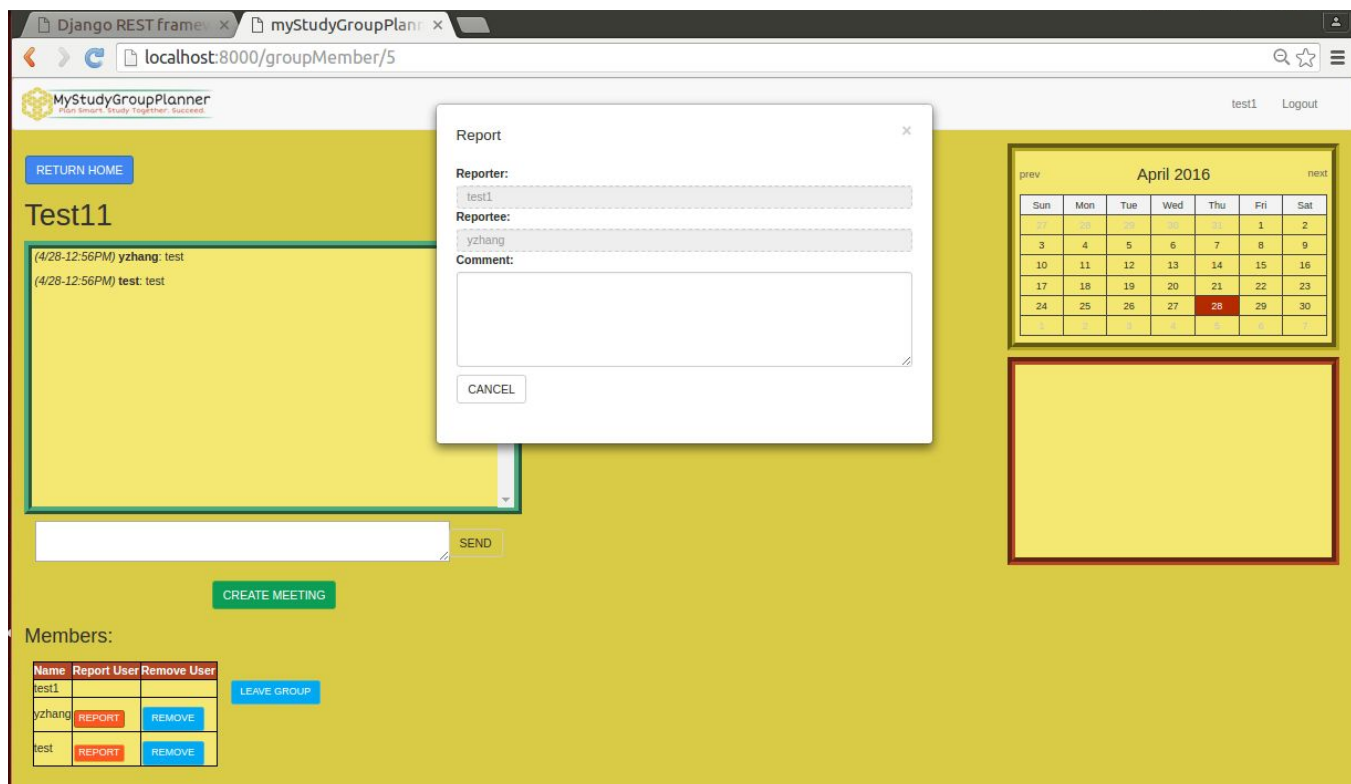


Figure 1.9

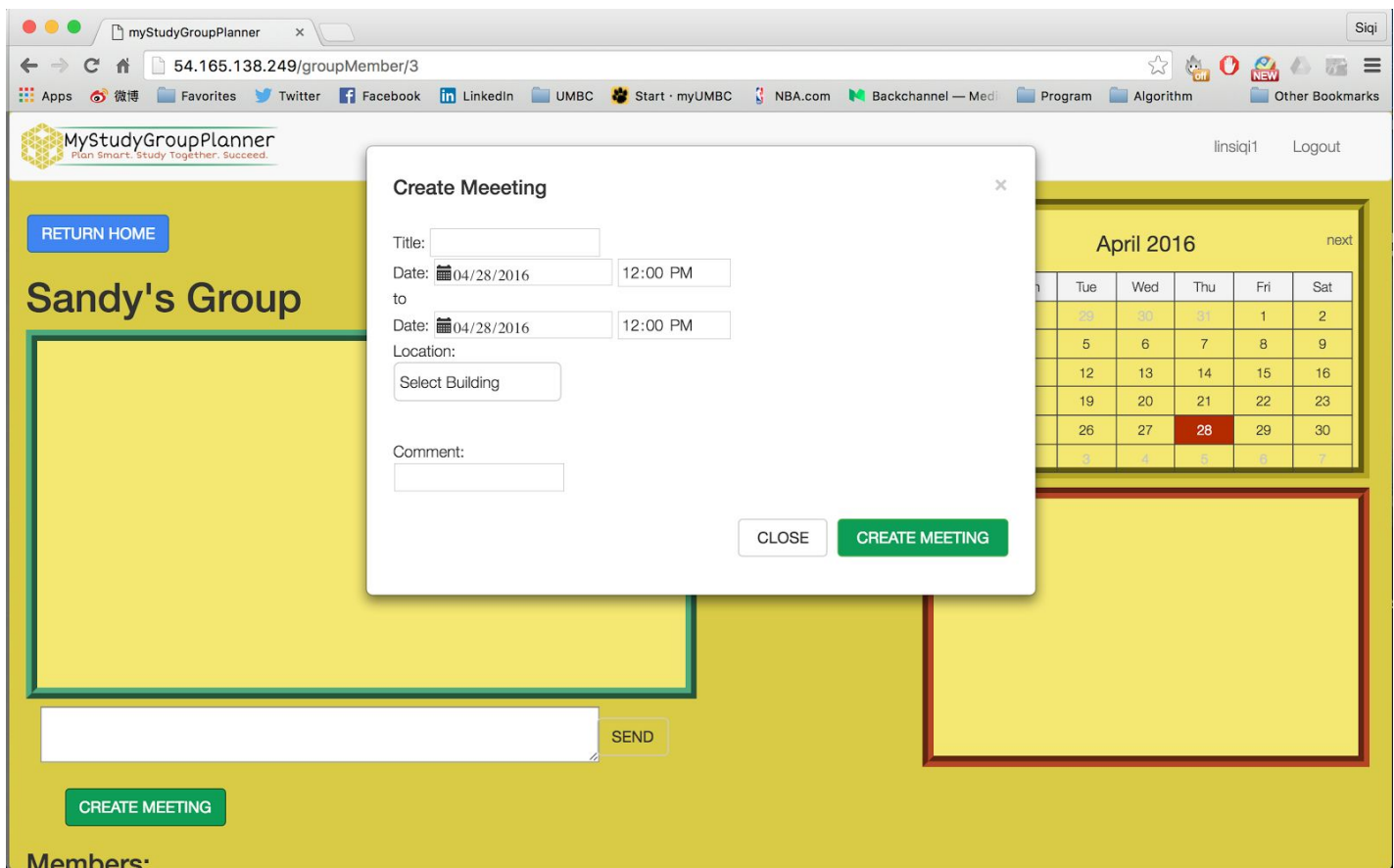


Figure 1.10

4.2.6. Admin Page

System administrators who are monitoring and maintaining the work order of the application are granted more permissions. The system administrators are able to view the reports submitted from the users about any inappropriate activities conducted by other users, to add on-campus study locations, to search a particular user and modify their account status, and to delete all the inactive groups at the end of a term.

Figure 1.11 shows the "View Report" tab, which lists all of the reports that have been submitted to the admin. When the "View" button is clicked, a modal popup shows the contents of the report message. Figure 1.12 shows the "Add Study Location" tab, which shows the existing buildings in the database, and allows the admin to add new study locations. Figure 1.13 shows the "Add Class" tab, which allows the admin to add new subjects, classes and sections. Figure 1.14 shows the "Users" tab which list out all the users who are currently registered for the application. Figure 1.15 shows the "Delete" tab which will delete all of the data in the database without deleting the schema of the database. There is the modal popup that shows up when the "Delete" tab is clicked, confirming whether the admin would like to delete the data in the database.

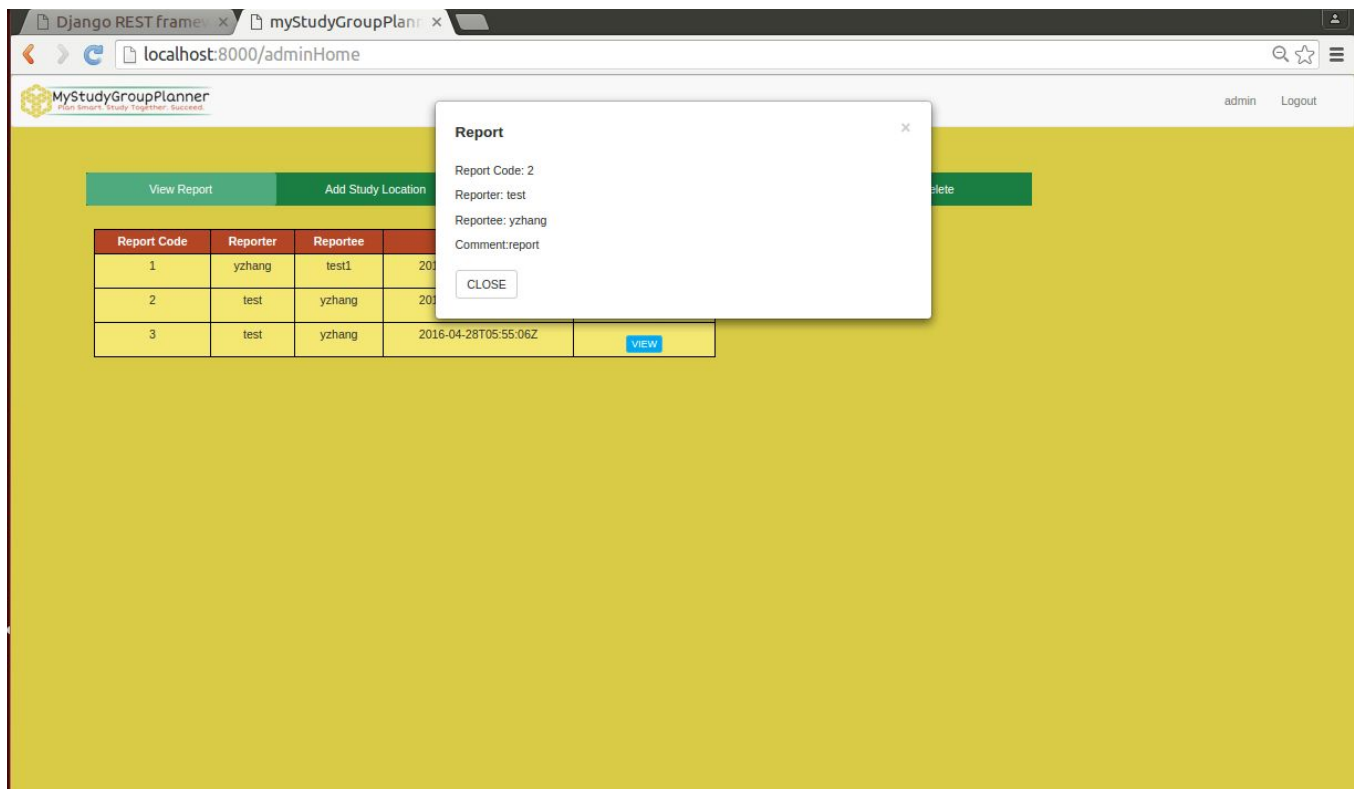


Figure 1.11

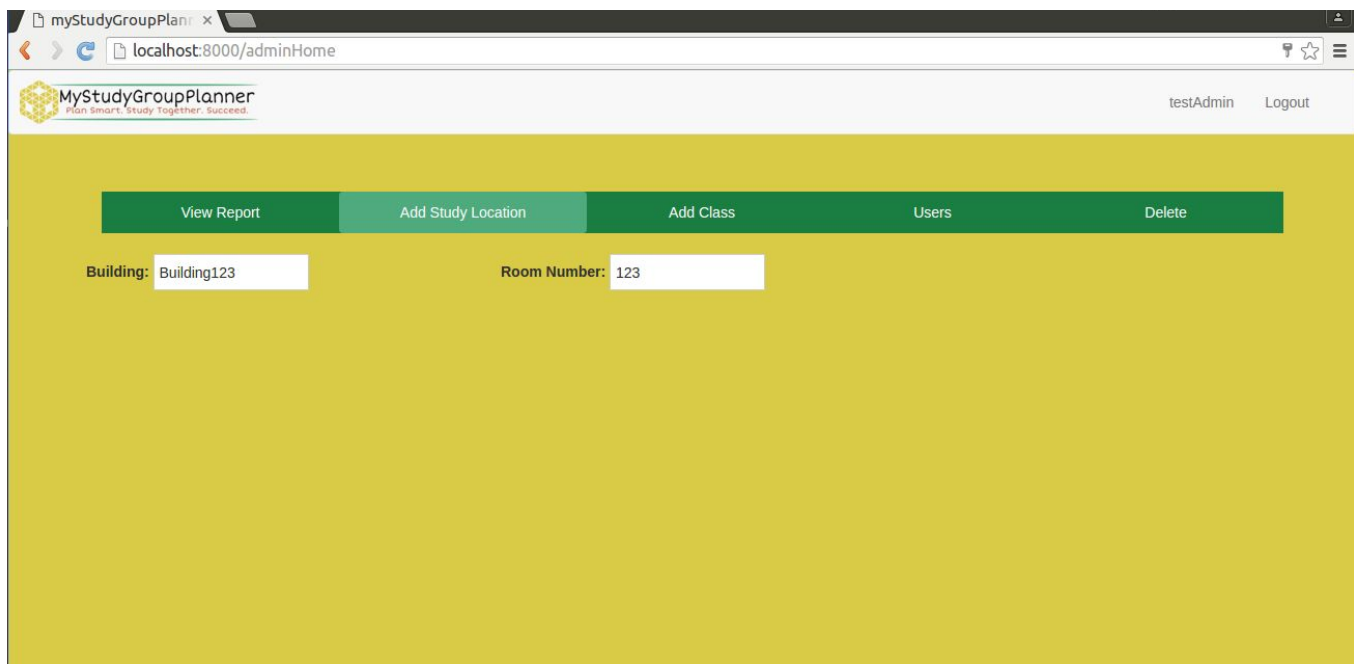


Figure 1.12

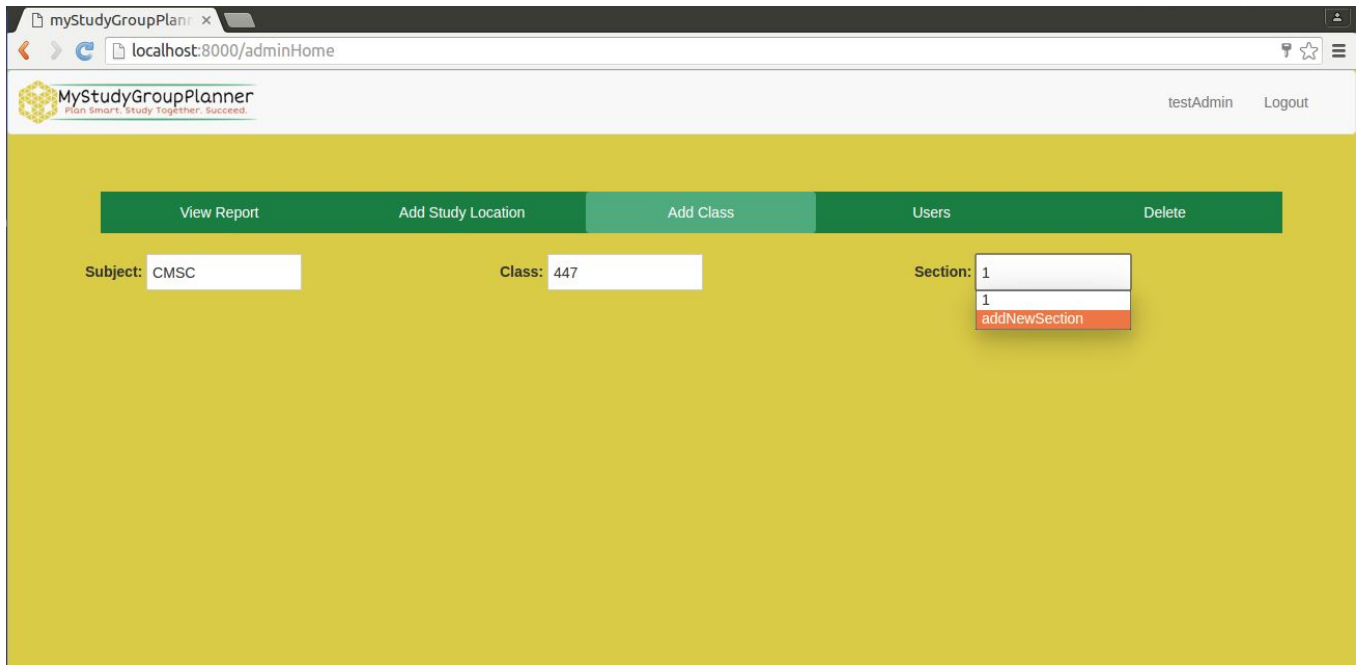


Figure 1.13

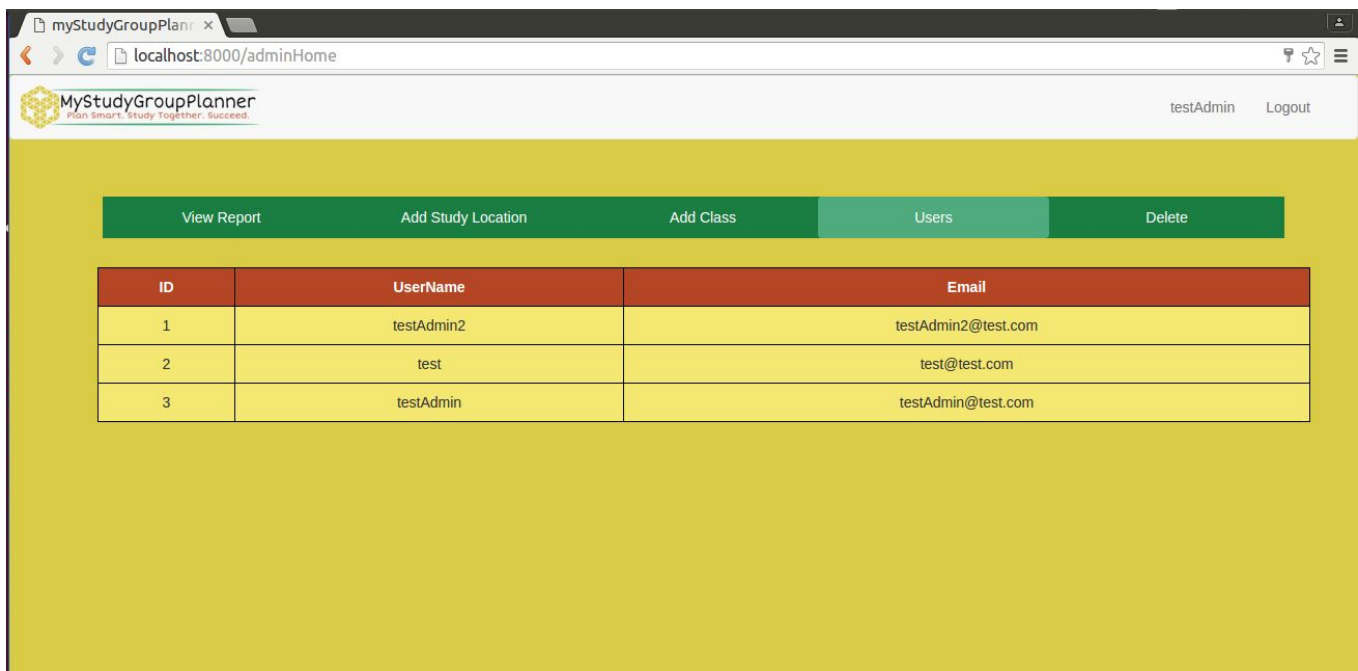


Figure 1.14

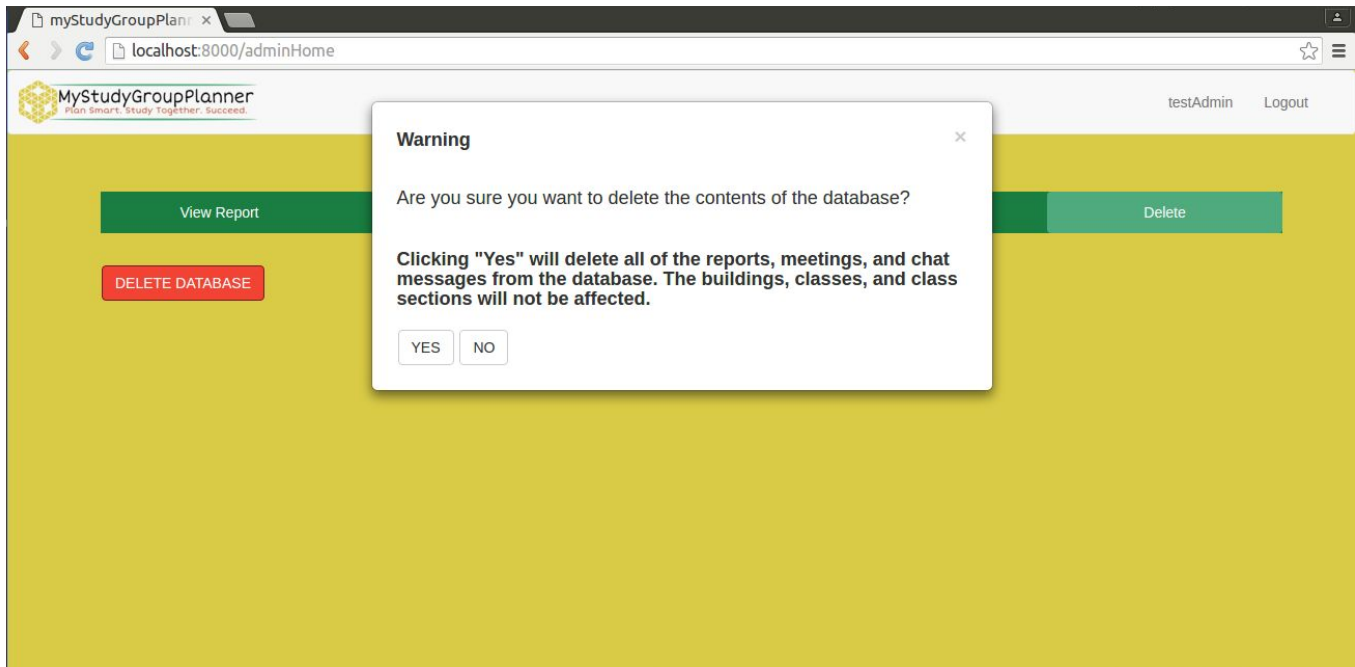


Figure 1.15

5. Data Validation

5.1. Data Validation Table

Data Item	Data Type	Limits
User's email address	string	Must have the form of an email address with the @ symbol
User's username	string	Can contain letters and/or numbers
User's password	string	Can contain letters and/or numbers
Group name	string	Can contain letters and/or numbers
Maximum number of members in a group	integer	Must be a valid integer within the range 2 - 500. If not, the default is 30.
Chat message	string	Can contain letters and/or numbers
Report comment	string	Can contain letters and/or numbers
Building name	string	Can contain letters and/or numbers
Room number	string	Can contain letters and/or numbers
Subject	string	Can contain letters and/or numbers
Class	string	Can contain letters and/or numbers
Section	string	Can contain letters and/or numbers

Appendix A - Agreement Between Customer and Contractor

The customer and the development team agree that the MyStudyGroupPlanner application contains the user interface that is described and shown in this User Interface Design Document. The webpage screenshots shown in this document are valid and have been verified through usage of the MyStudyGroupPlanner application.

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**
 - ☐ None
- **Aparna Kaliappan**
 - ☐ Appendices A and B
 - ☐ Admin Screenshots and descriptions
 - ☐ Descriptions for several other screenshots
 - ☐ Data Validation section
- **Siqi Lin**
 - ☐ Introduction
 - ☐ User interface standards
 - ☐ Application navigation diagram
 - ☐ Descriptions for screenshots
- **Ying Zhang**
 - ☐ UI Walkthrough
 - ☐ Group page screenshots
- **Sean Murren**
 - ☐ None