UI Design Document

MyStudyGroupPlanner
Version 1.1

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MyStudyGroupPlanner
User Interface Design Document

Table of Contents

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 1.0, the logo of the application will always be centered at the top of the page and the username and notification icon 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 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 of 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 1.2). 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.
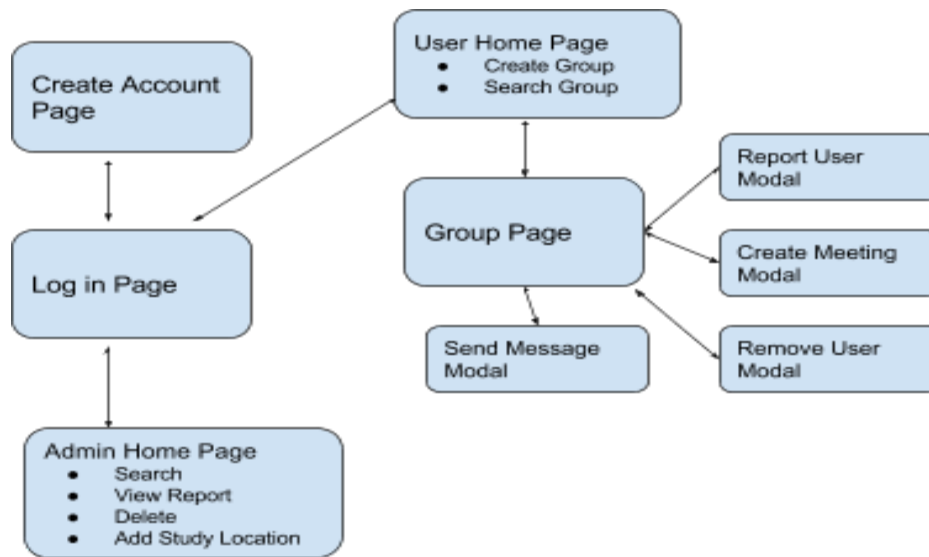
4.2.   MyGroupStudyPlanner Walkthrough

4.2.1.   Log in

The first 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 1.1.
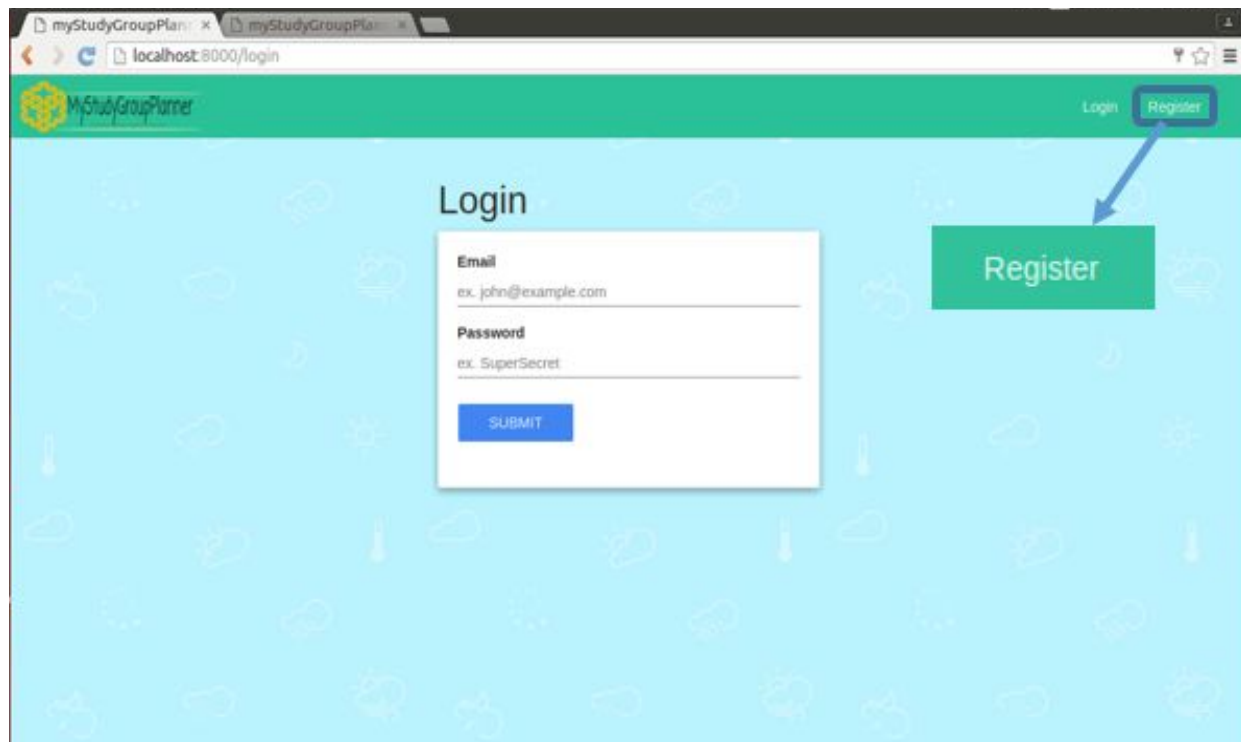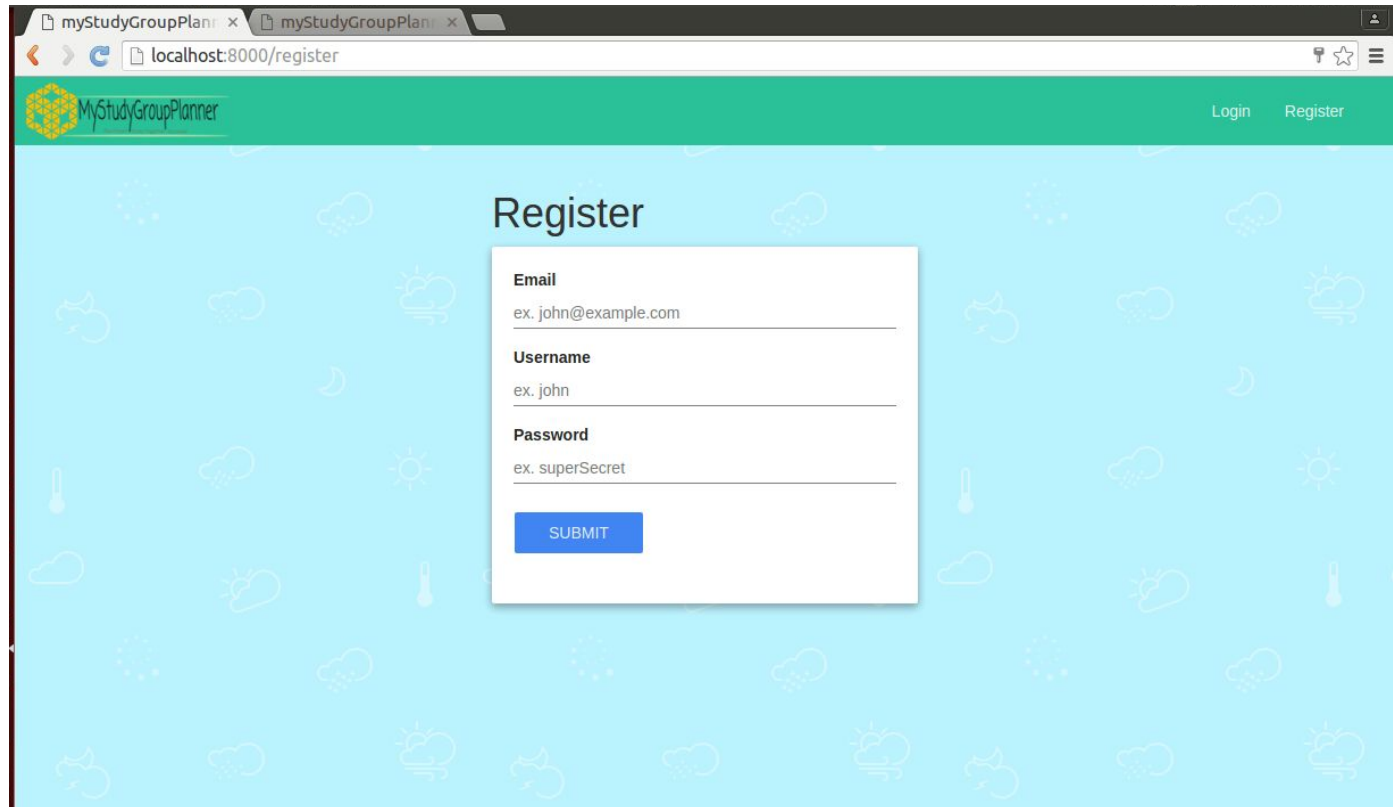

Figure 1.1

4.2.2. 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 1.2

4.2.3. 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", "Create Group", and "Join Private Group" for users to easily switch tabs.

Figure 1.3 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. Figure 1.4 shows the "Create Group" tab which allows users to create a new study group. They must enter a group name, select the class for which the study group is being created, enter the maximum number of members that can join the group, select the access type, as well as select the permissions that will be given to members joining the group. Figure 1.5 shows the "Join Private Group" tab which allows users to enter an access code to join a private group.
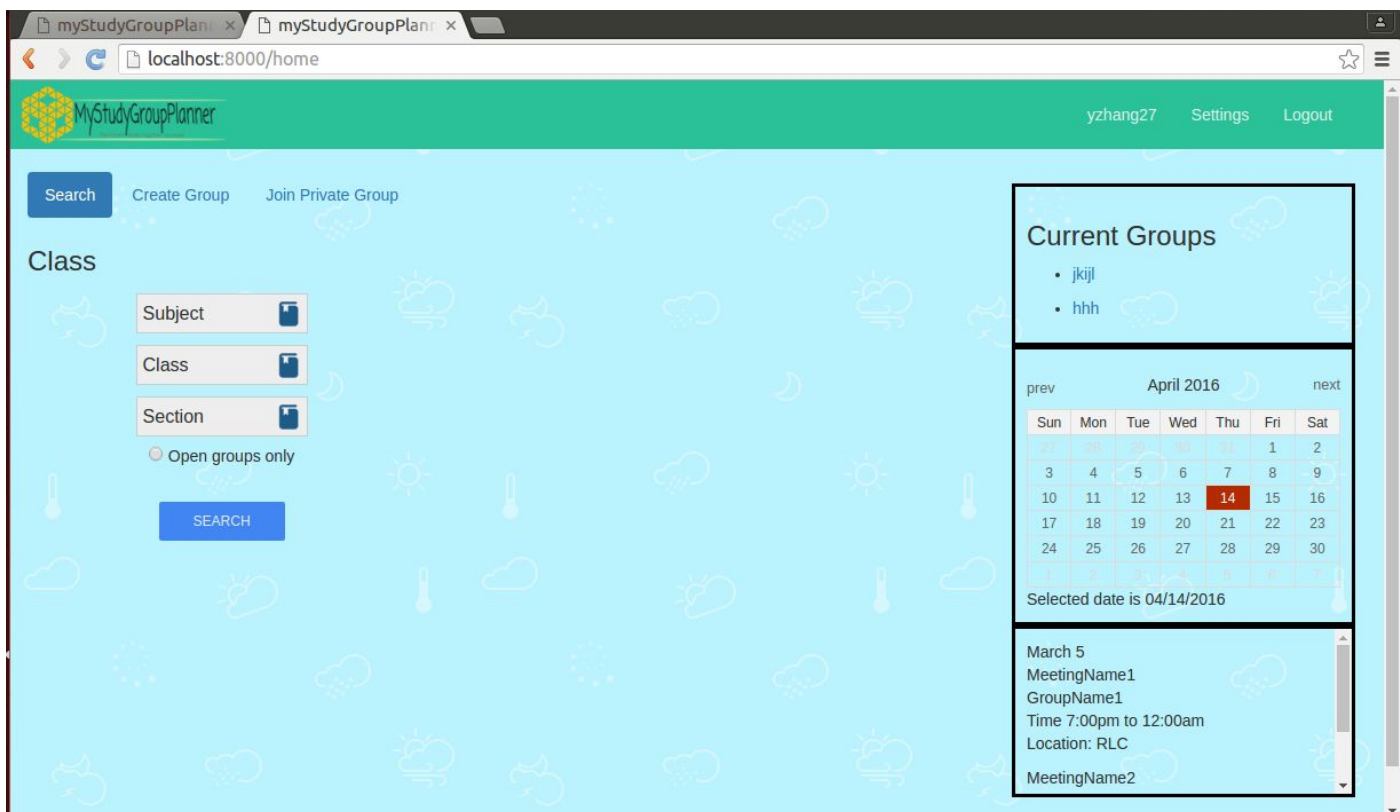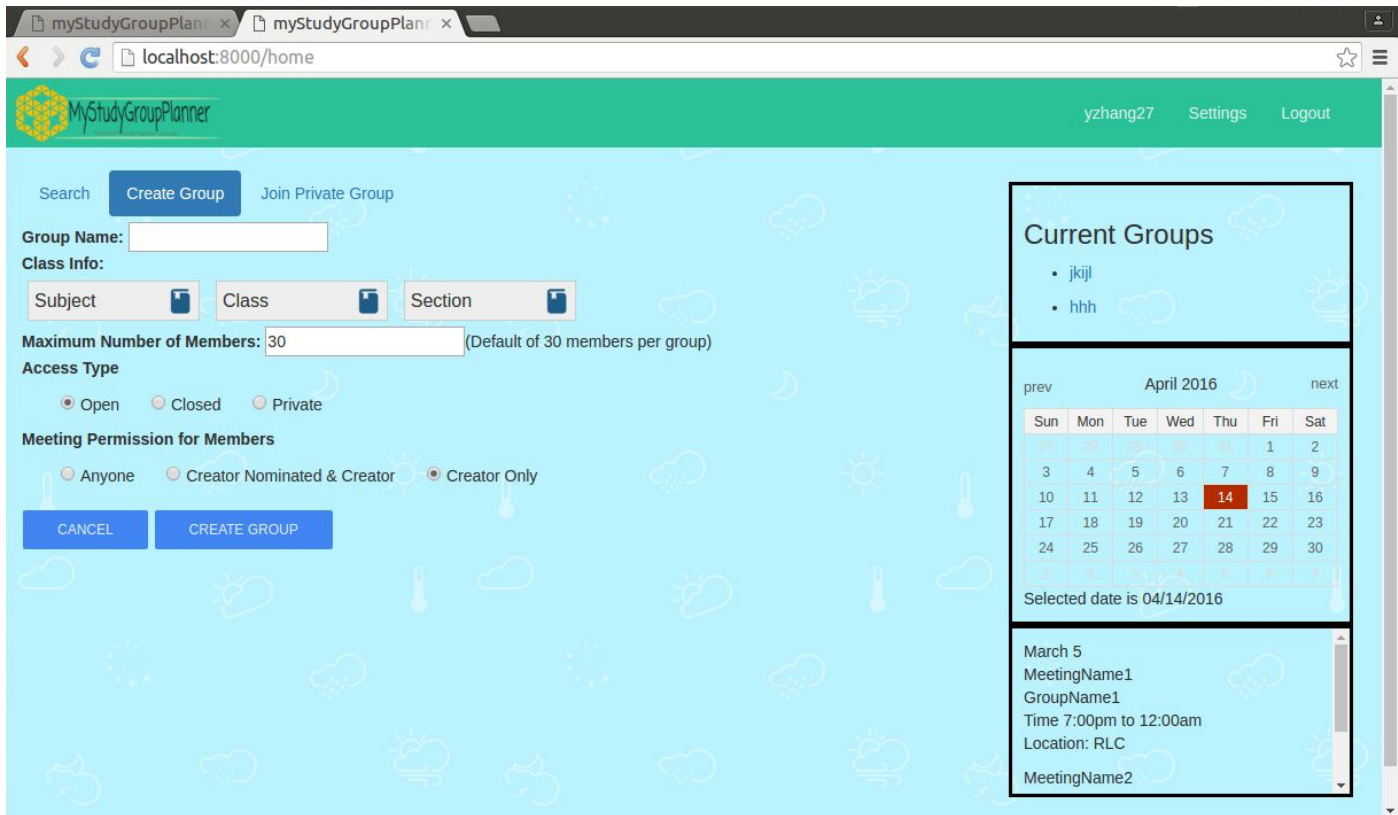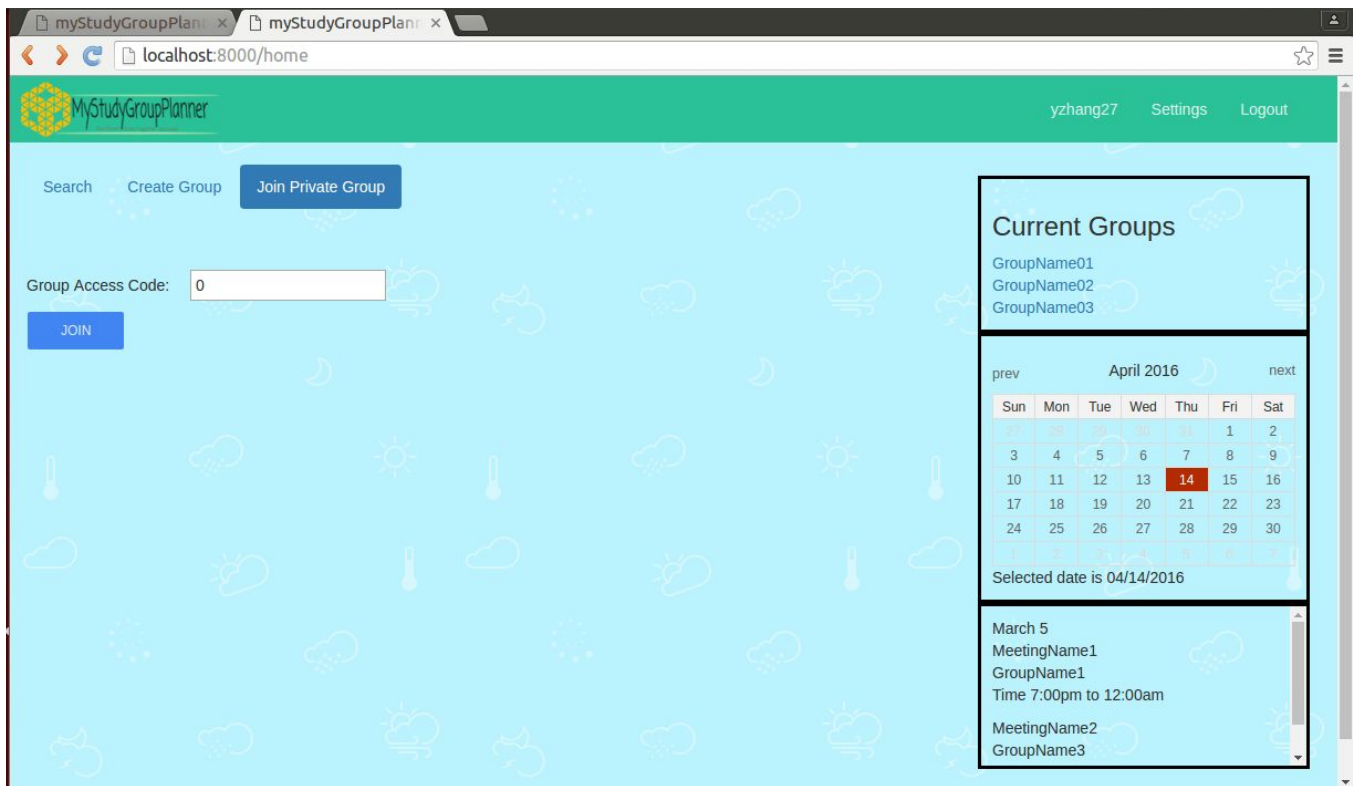

Figure 1.3

Figure 1.4

Figure 1.5

4.2.4.   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 options of sending a message to them, reporting them to the system administrator, or removing a member. The group members are also allowed to set up a meeting and send meeting invitations to other group members for study sessions. In addition, underneath the "Create Meeting" button, the user is also able to view the group calendar to look out for any upcoming meetings.

Figure 1.6 shows the group page view for the group creator, who is given more permissions over the group, such as the permission to delete the whole group. Figure 1.7 shows the group page view for a regular group member. Figure 1.8 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 1.9 shows the modal popup when the "Message" button is clicked for a group member. This form is used to send a message to another 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.
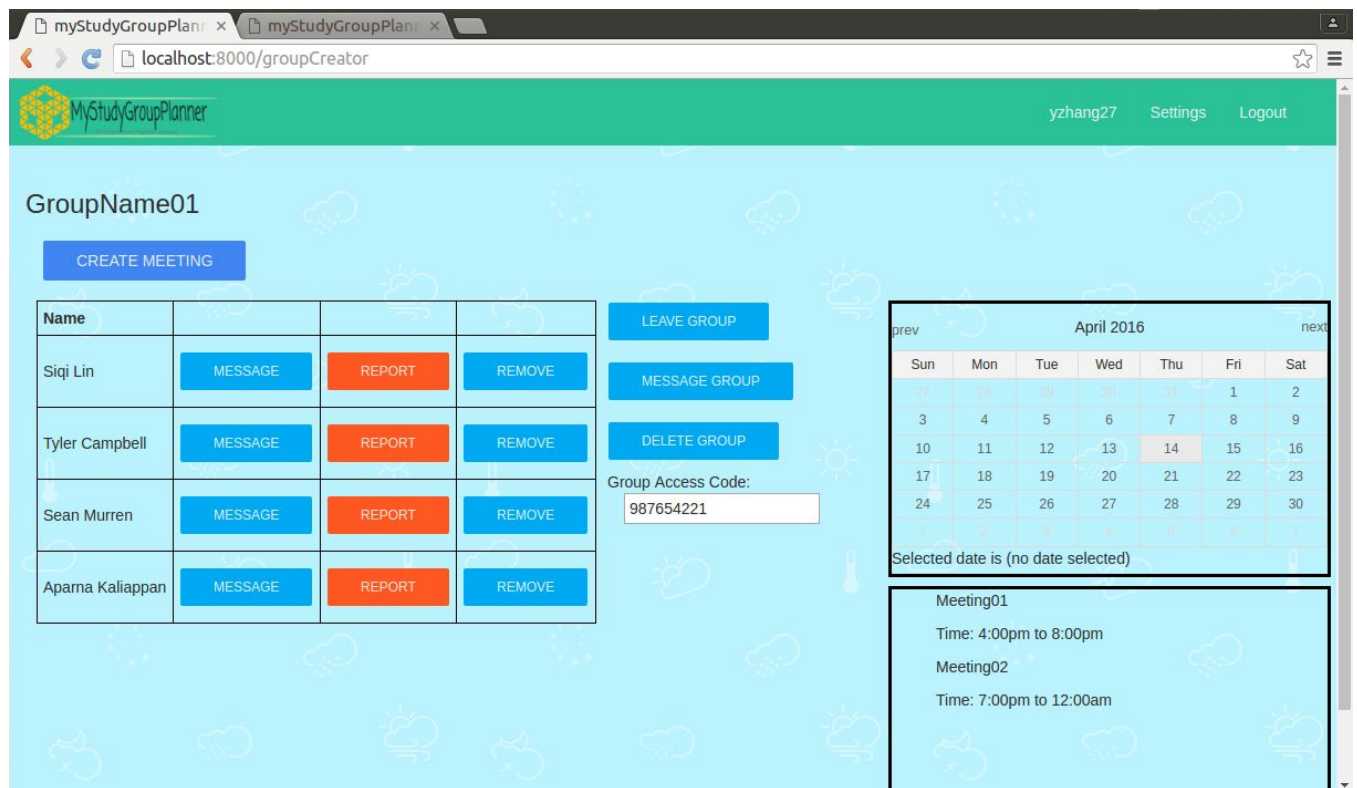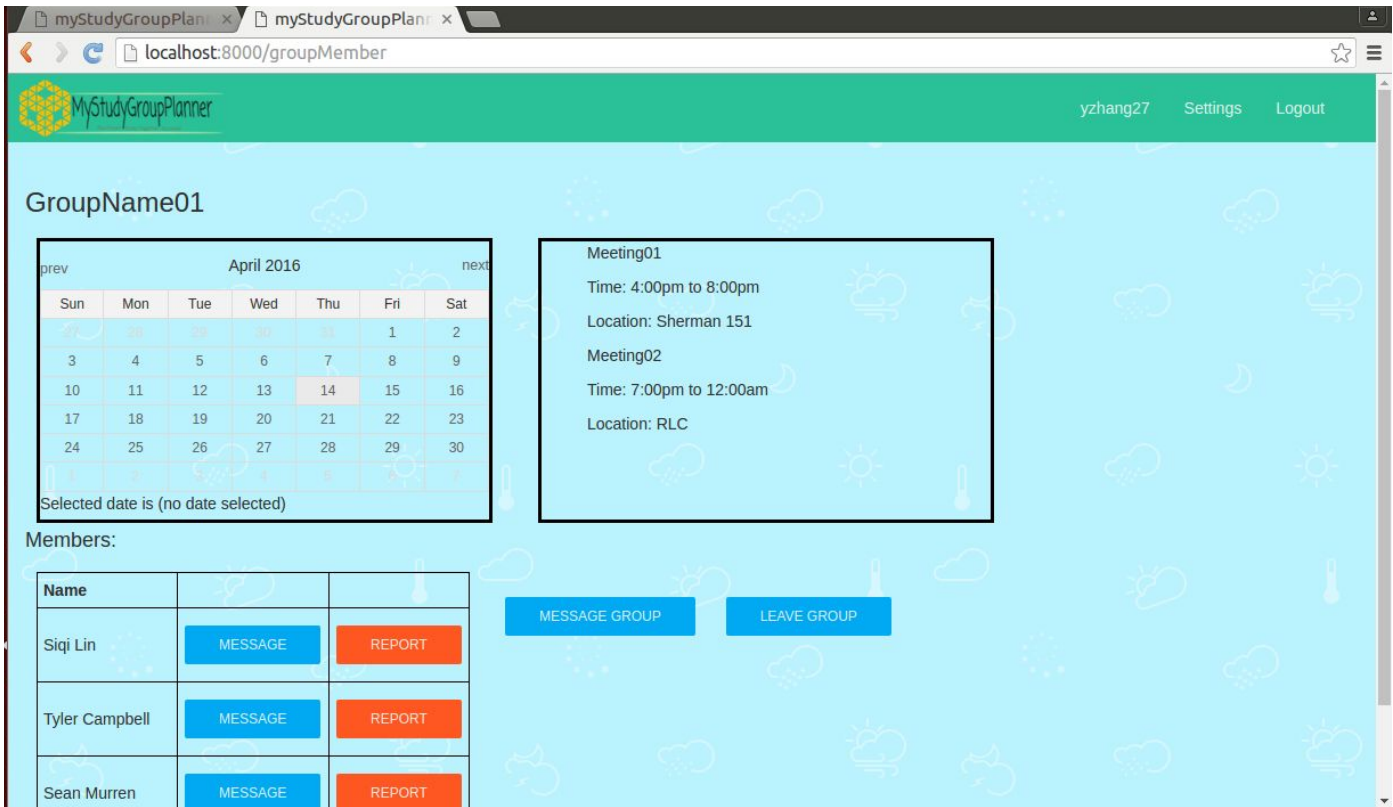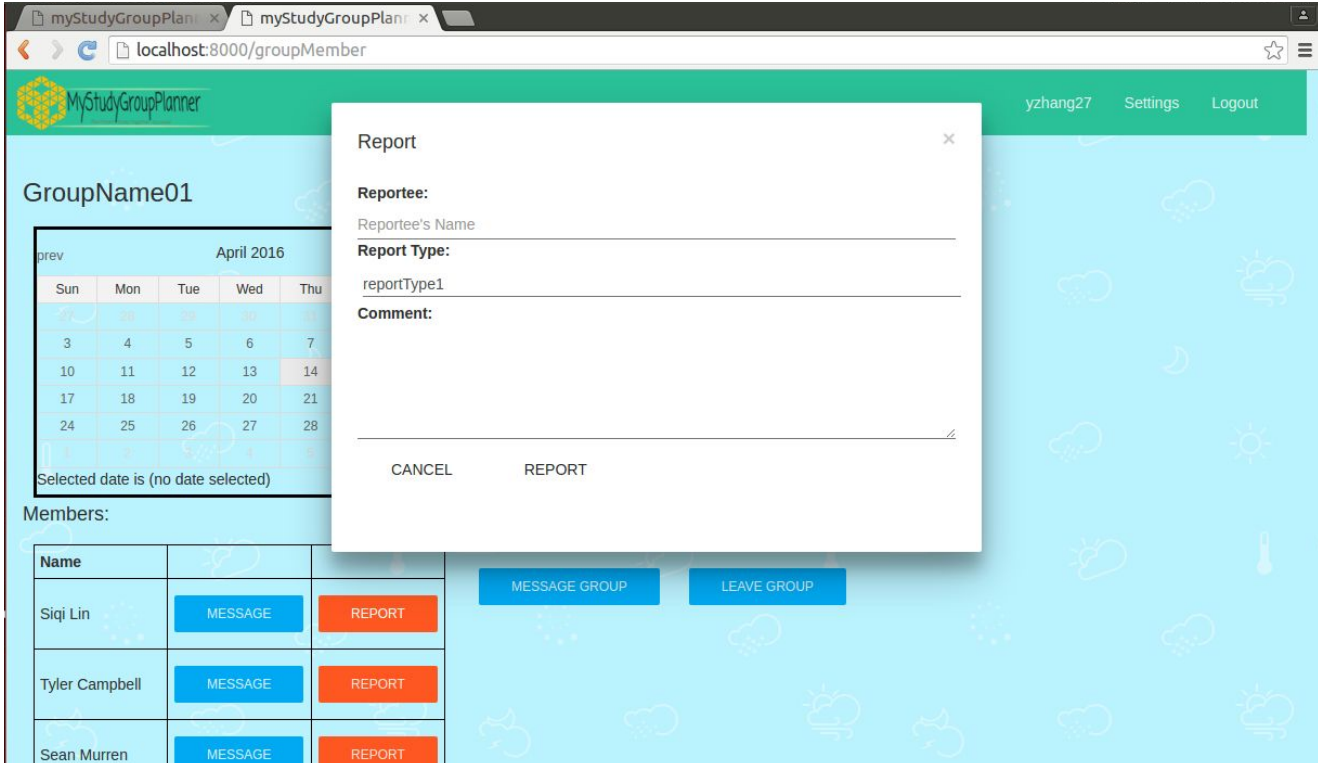

Figure 1.6
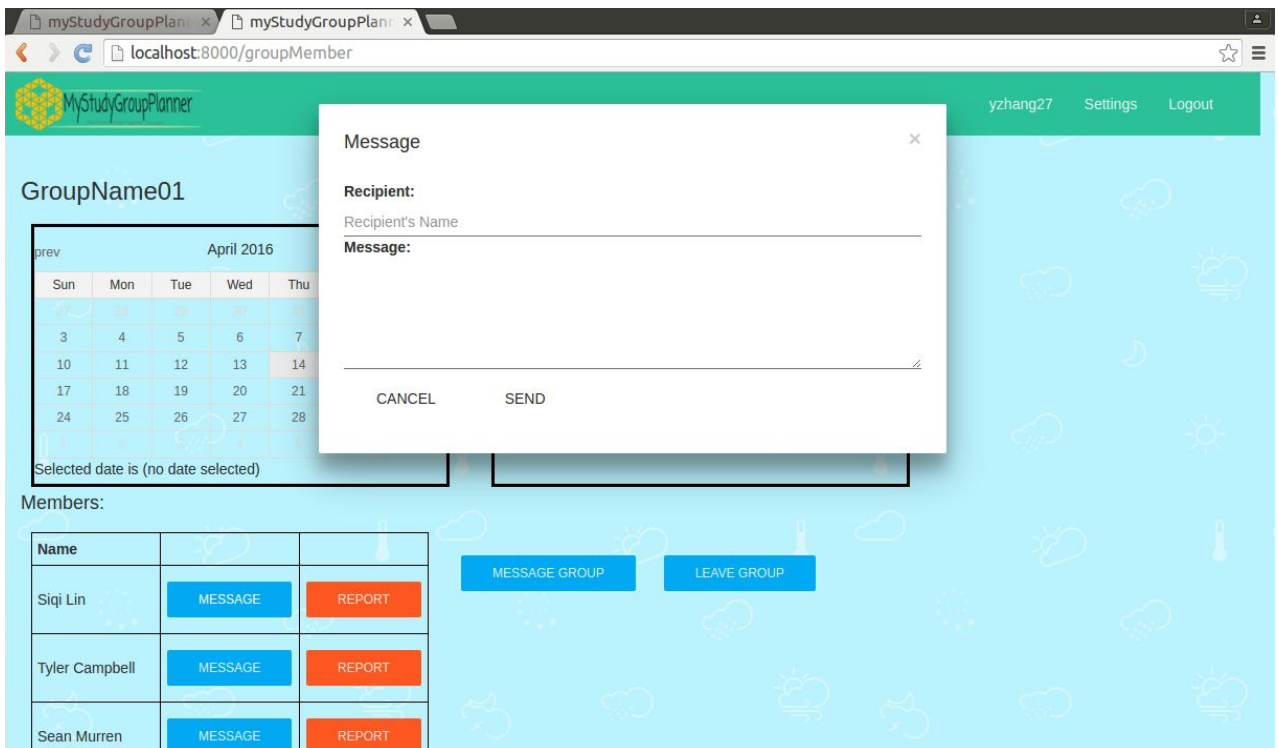
Figure 1.7

Figure 1.8

Figure 1.9
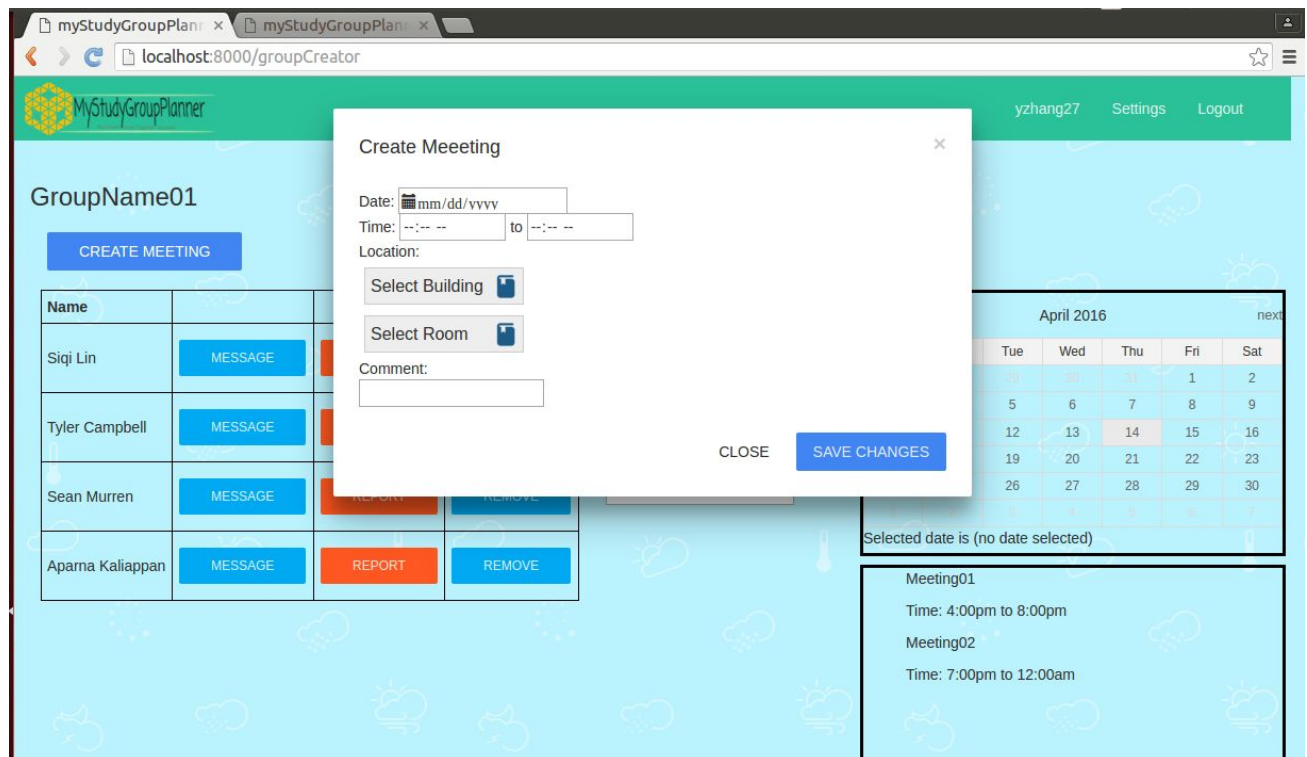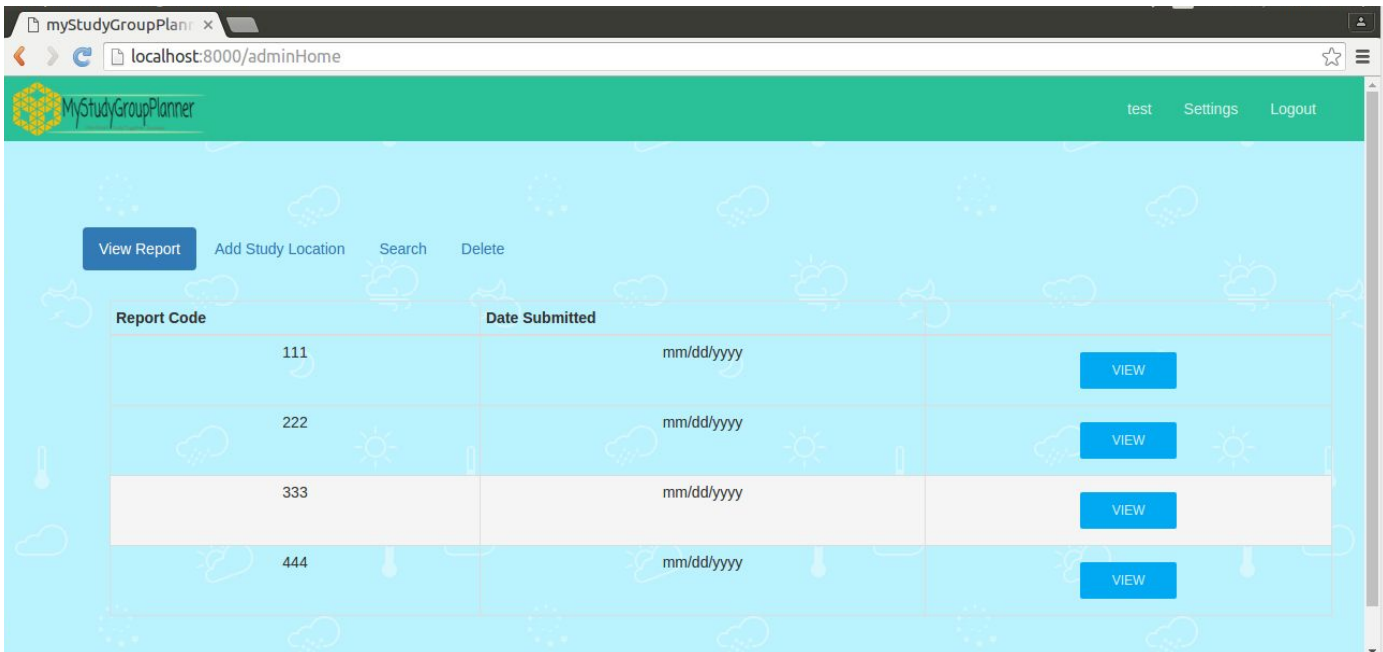
Figure 1.10

4.2.5.   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. 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 "Search" tab, which allows the admin to search for a specific user. Figure 1.14 shows the "Delete" tab which will delete all of the data in the database. Figure 1.15 is the modal popup that shows up when the "Delete" tab is clicked, confirming whether the admin would like to delete the whole database.
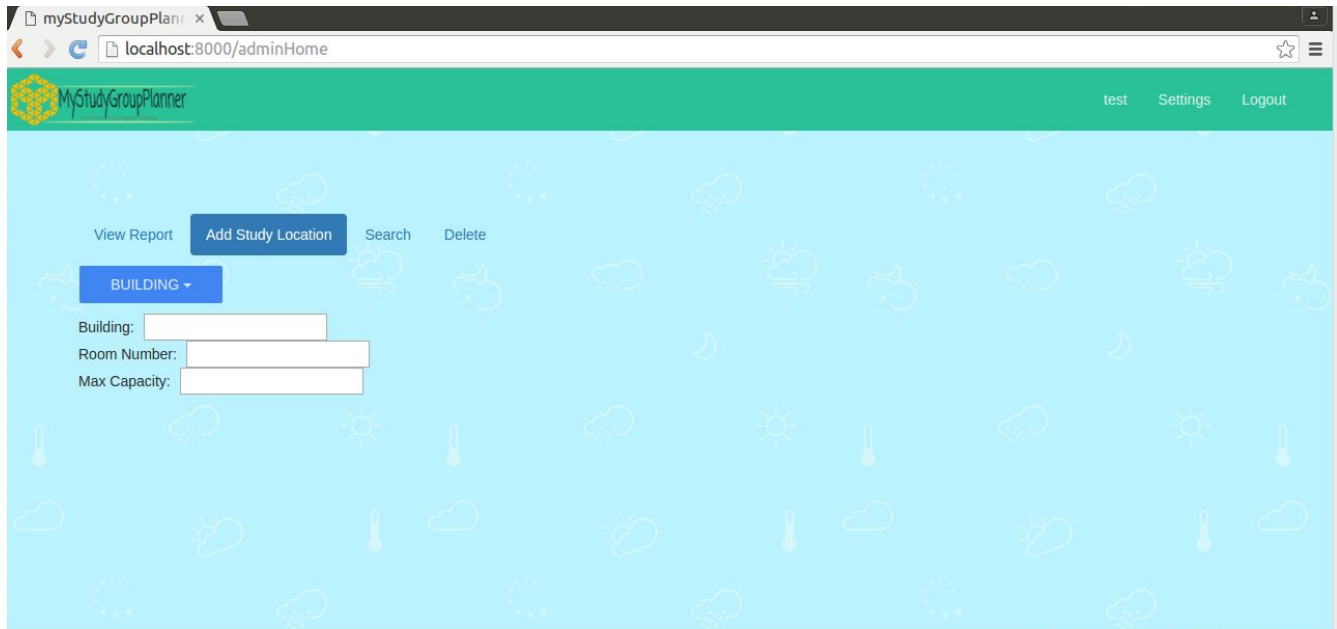
Figure 1.11
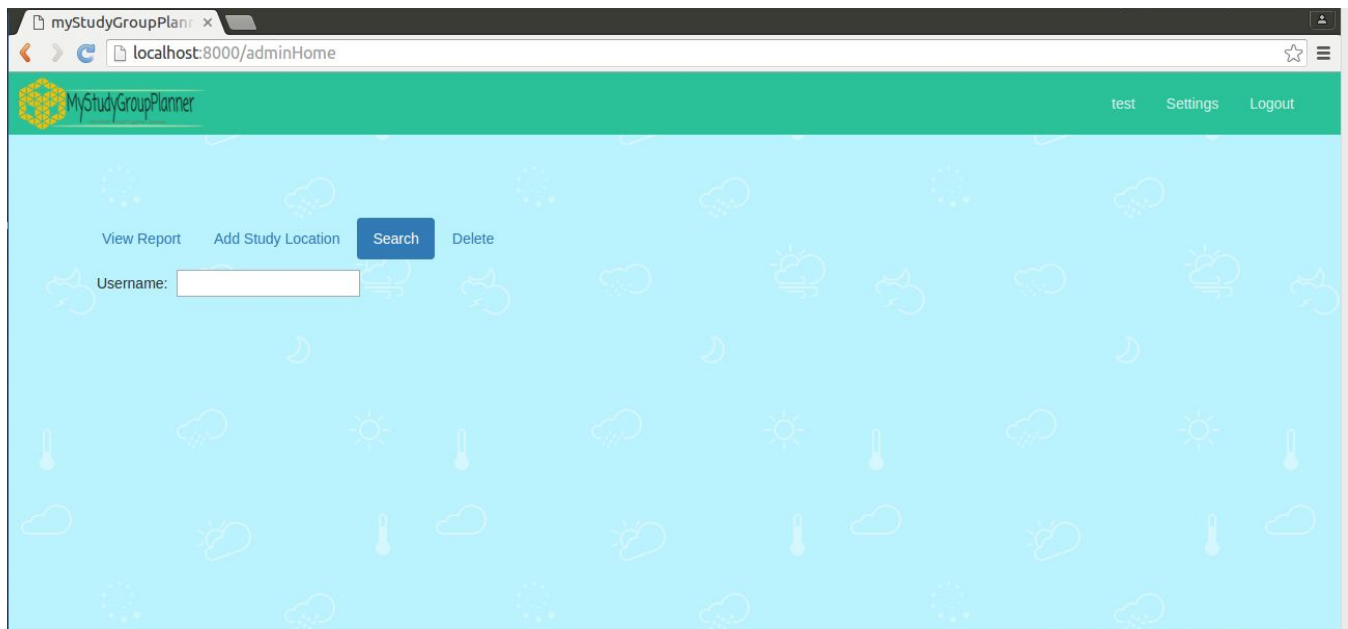
Figure 1.12

Figure 1.13
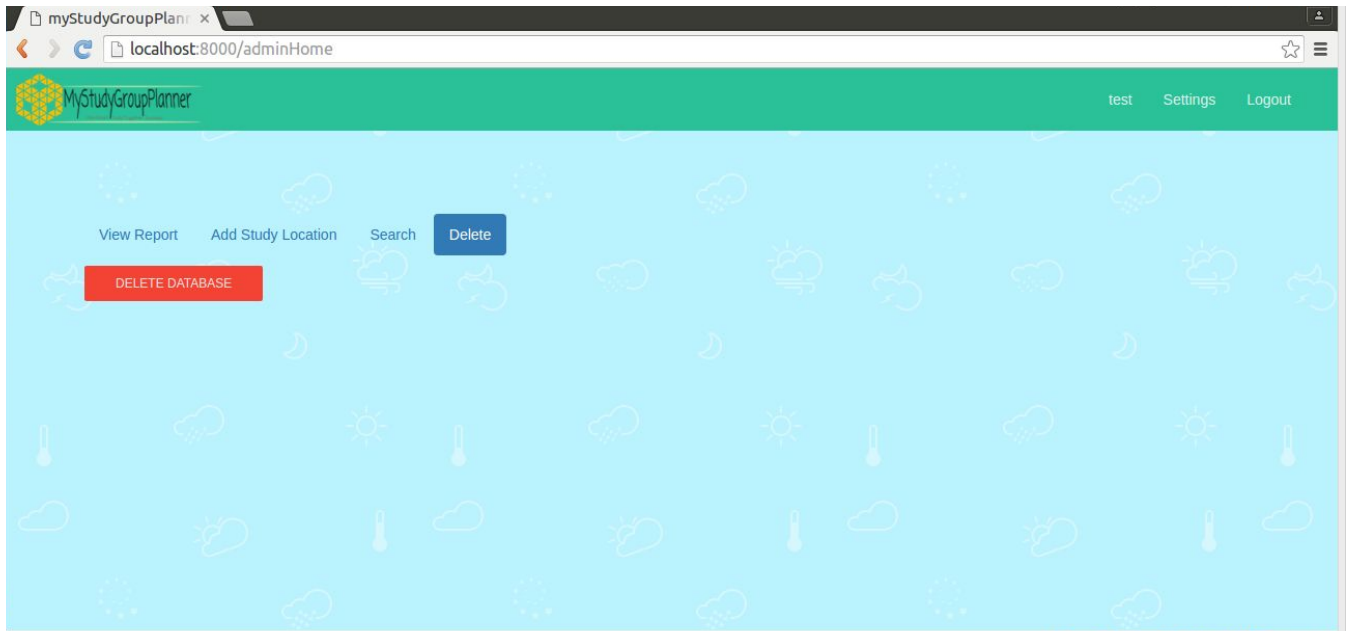
Figure 1.14
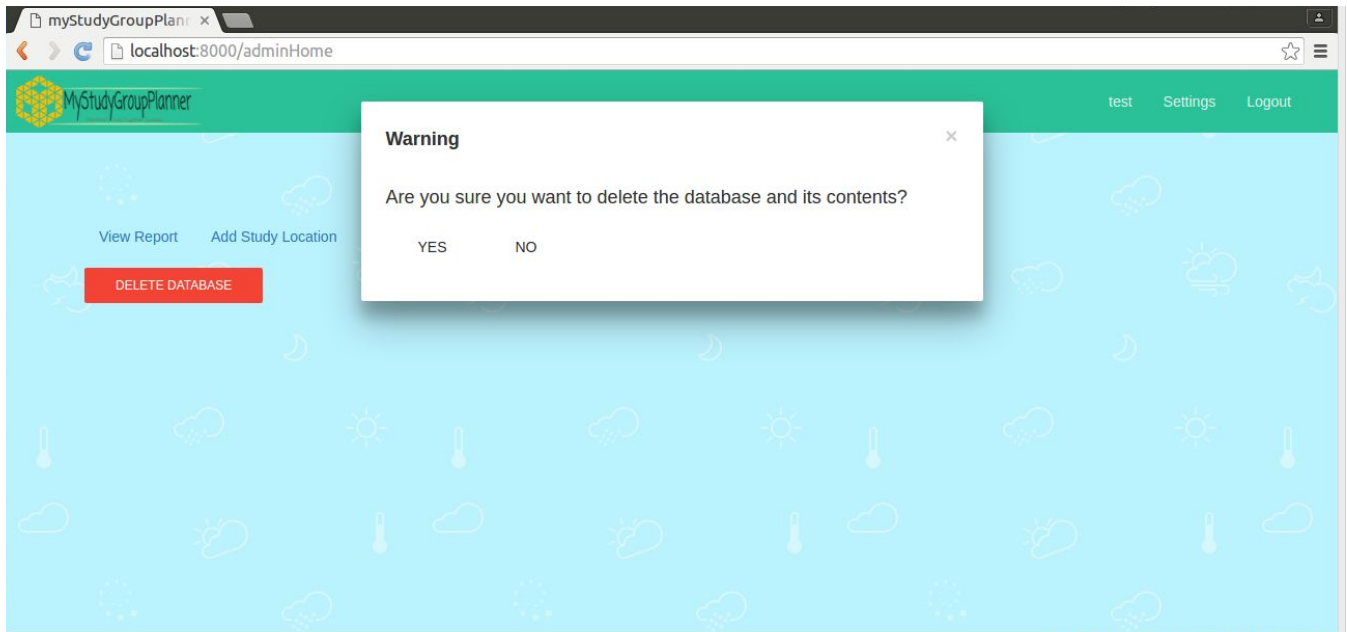
Figure 1.15

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.
Private Access Code	integer	It is a unique string of 9 integers.

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 be 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

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                          Signature

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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

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                Signature

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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**
- ● **Ying Zhang**
  - ○ **UI Walkthrough**
- ● **Sean Murren**
  - ○ **None**