System Requirements Specification

MyStudyGroupPlanner

Client

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3/8/2016

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1. Introduction

1.1. Purpose of This Document

The purpose of this document is to provide a detailed description for the functionalities and necessary conditions of the MyStudyGroupPlanner web application. This document is intended for all of the users of this web application, the customer, Katie Hirsch, and the members of MyStudyGroupPlanner development team.

1.2. References

1. MyStudyGroupPlanner User Interface Design Document

1.3. Purpose of the Product

The purpose of MyStudyGroupPlanner web application is to help students to form or join study groups, that are created by other students, for their current courses within a university. The group creators of each group are able to schedule meetings to study both in-person and online, and the group members can decide whether or not they are attending the meeting.

1.4. Product Scope

The MyStudyGroupPlanner web applications only supports Google Chrome Browser, and consists of numerous use cases; namely, creating an account, logging into the application, creating a group, and joining a group. For further details on the uses cases please refer to figures 1-37 below.

Figure 1. High level use case context diagram overview

MyStudyGroupPlanner System

User/admin

1. Log into Application
2. Create Account
3. Create Group
4. User Leaves a Group
5. User Joins a Searched for Group
6. User Joins a Group by Group ID
7. Removes User from a Group
8. Group Creator Changes Group Permission
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11. Admin Searches for a User

12. Admin Deletes a User
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30. Admin Deletes Information
31. Change a Meeting
32. Join a Video Chat
33. Create Profile
34. Edit Profile
35. Delete Group
36. Users Joins a Closed Group
37. Handle Closed Group Request

Figure 2. Use case 1, Log into application
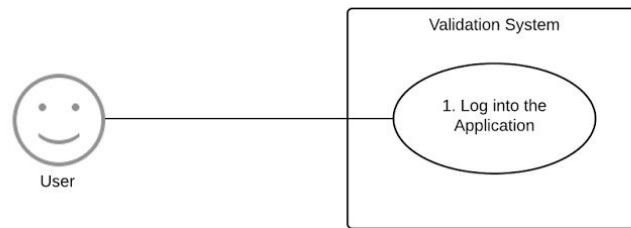
Figure 3. Use case 2, Create account
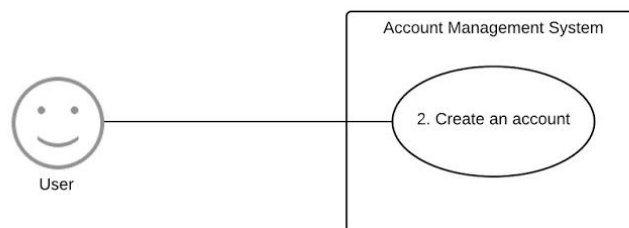
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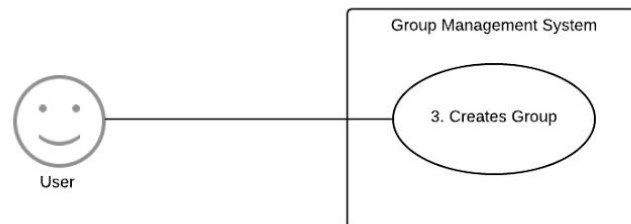
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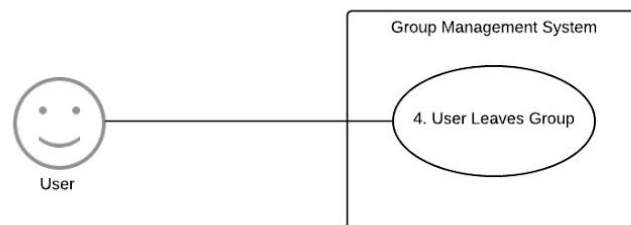
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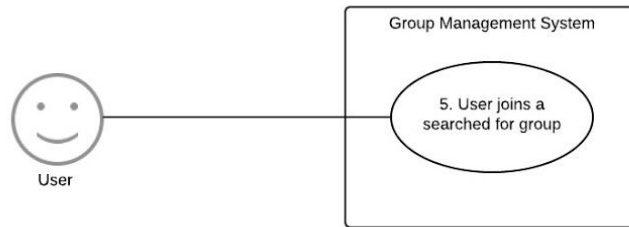
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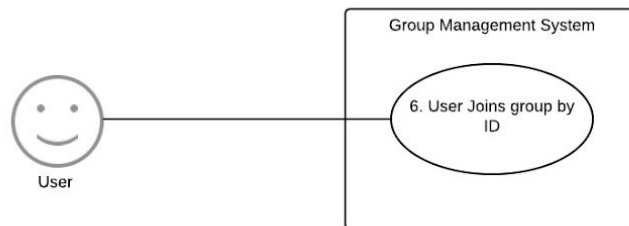
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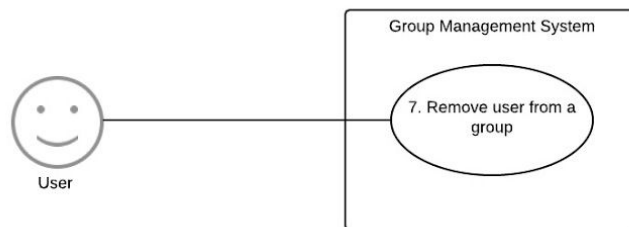
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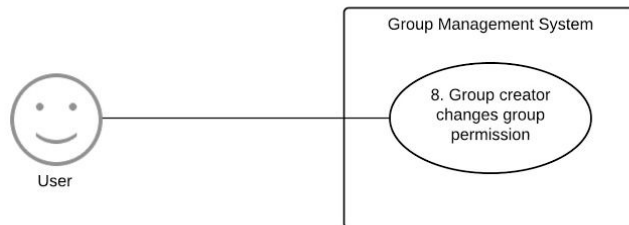
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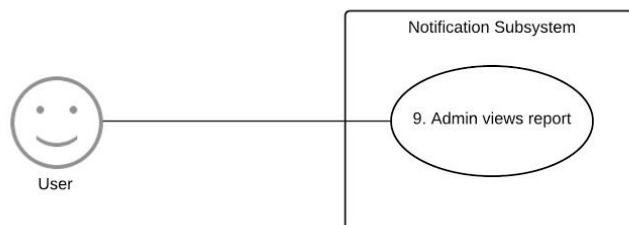
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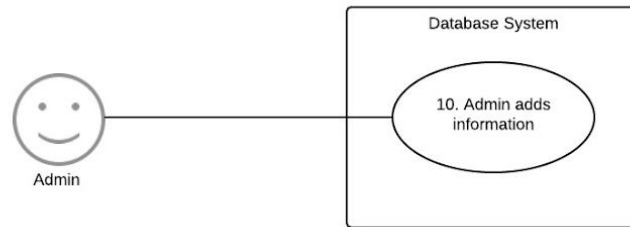
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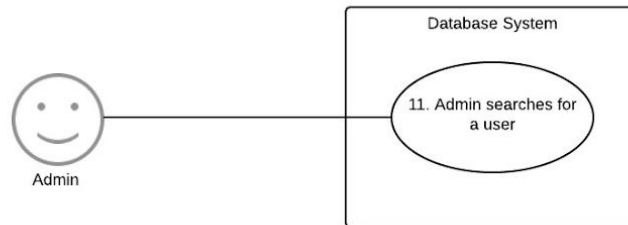
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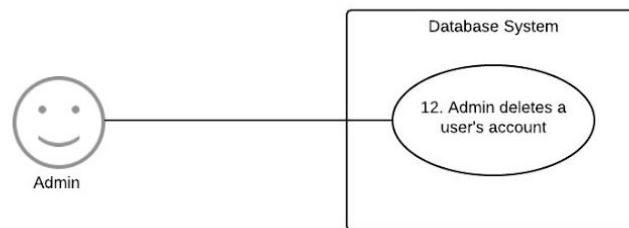
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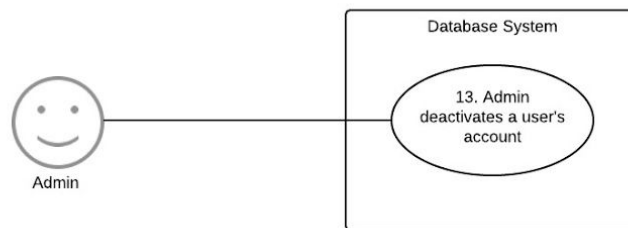
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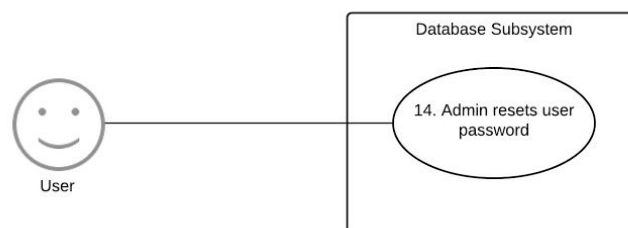
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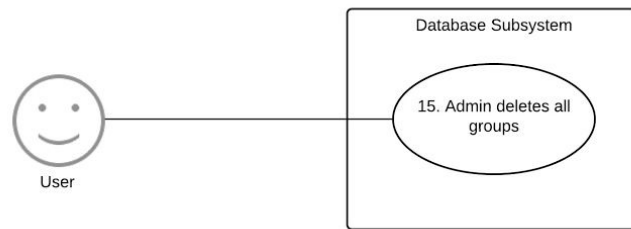
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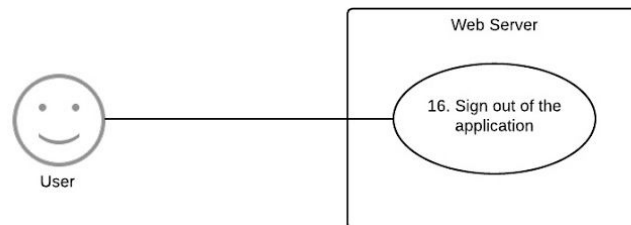
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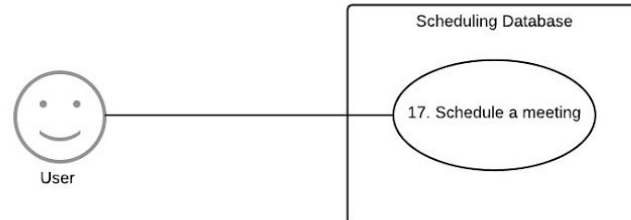
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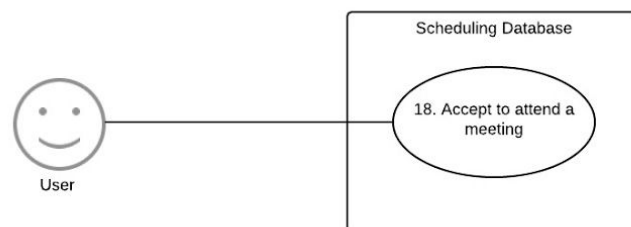
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Reporting System

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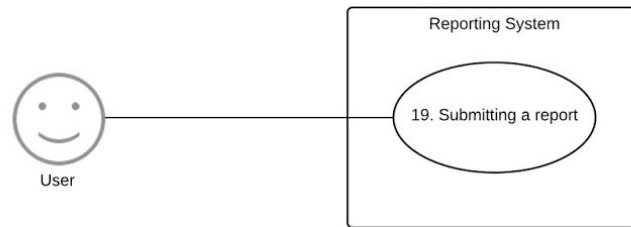
User

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Chatting System

20. Chatting within a group
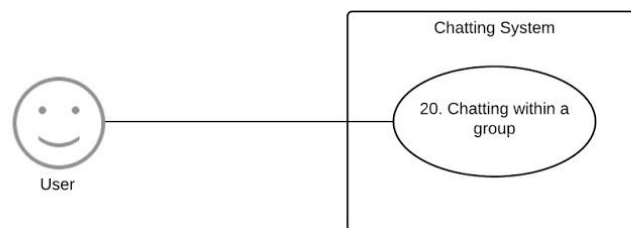
User

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Group Database

21. Search for a group
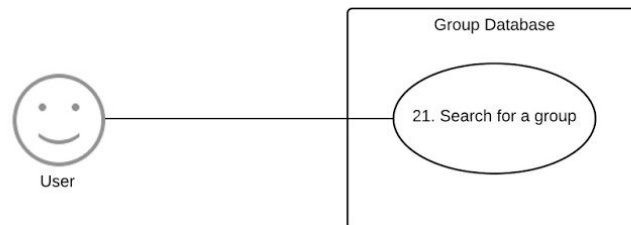
User

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Messaging System

22. Send message to group members
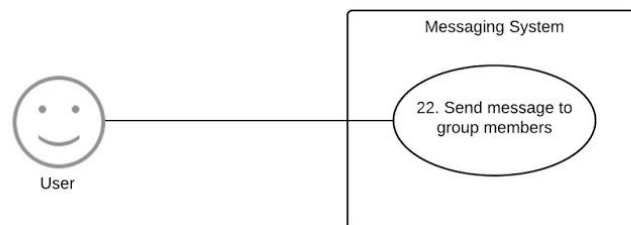
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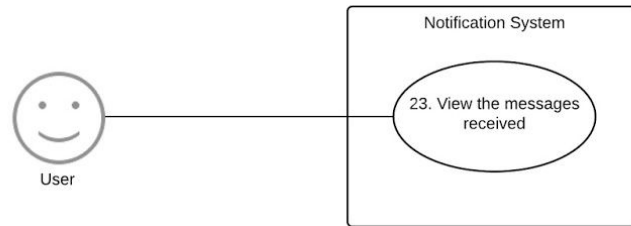
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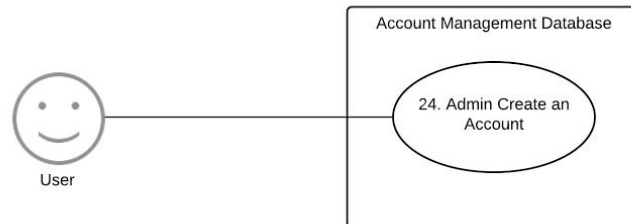
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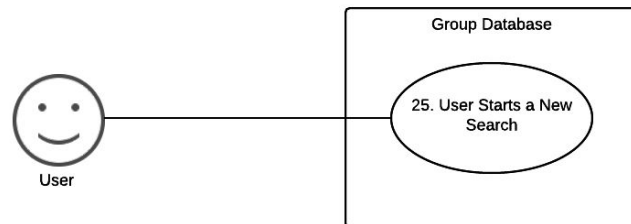
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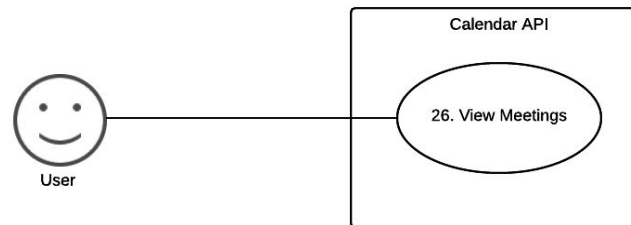
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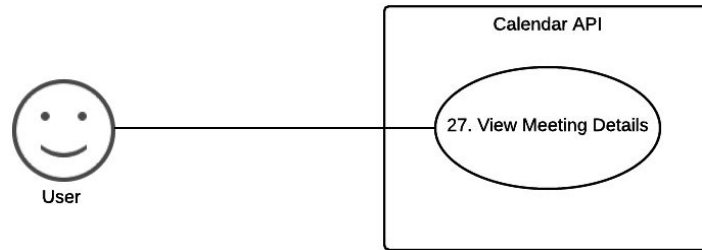
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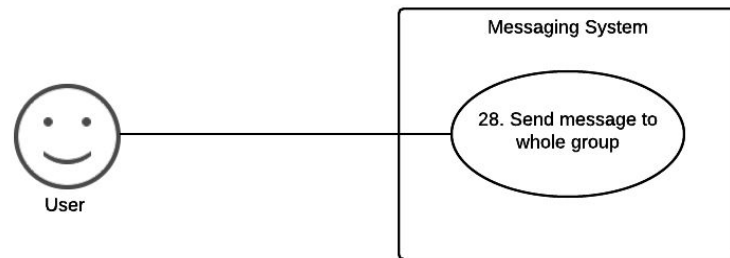
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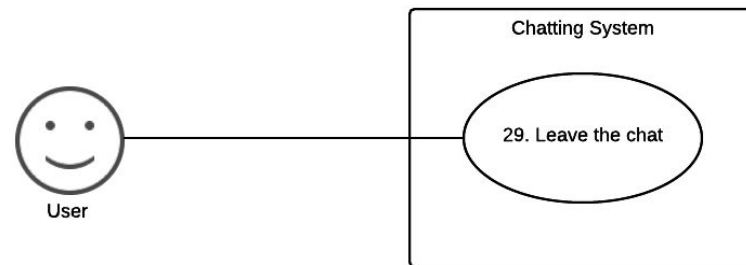
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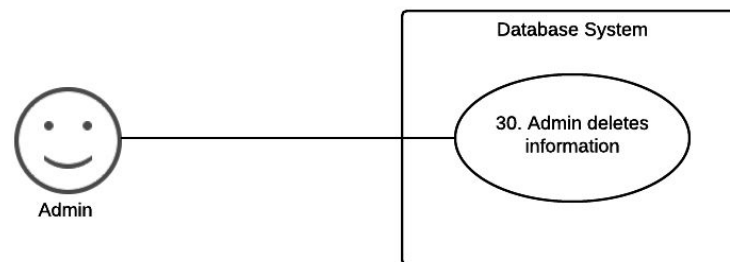
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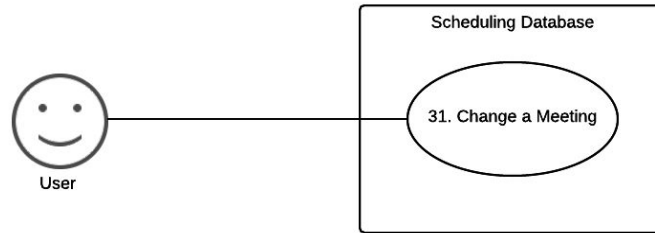
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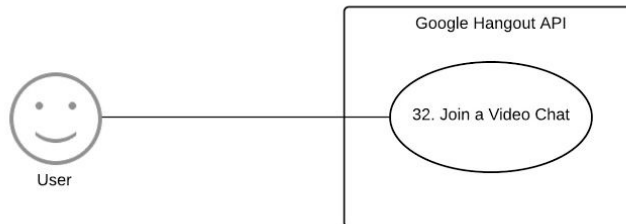
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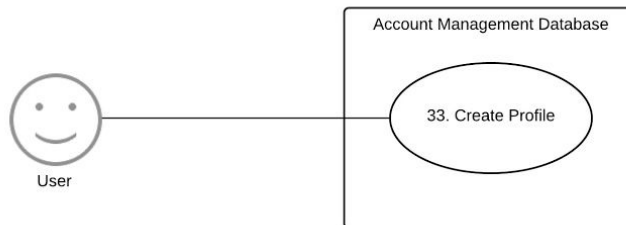
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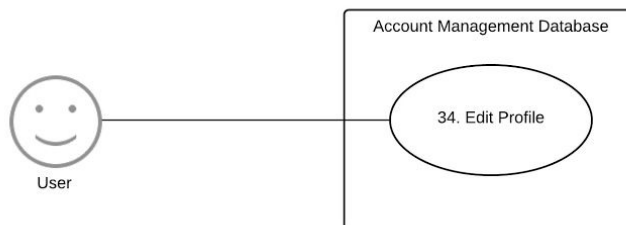
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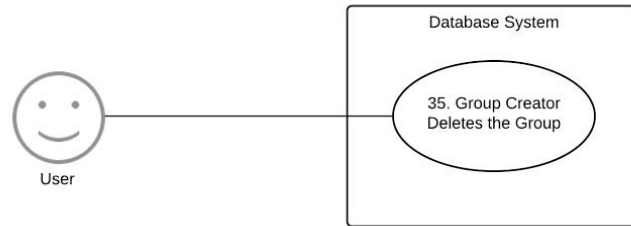
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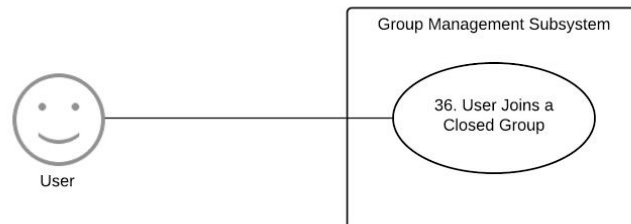
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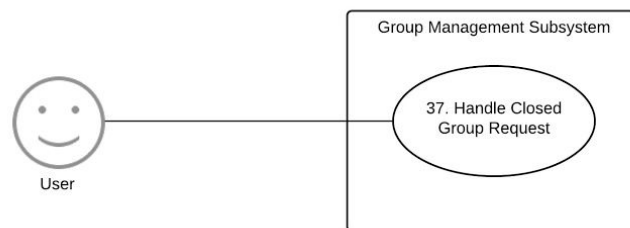
2.   Functional Requirements

2.1.   Use Case 1

Number	1
Name	Log into Application
Summary	The user/admin logs into the application
Priority	1 (highest priority)
Preconditions	● The web service is up and running ● Internet access
Postconditions	User/admin is logged in. Gets directed to application home page.
Primary Actor	User/Admin

Secondary Actors	● Validation system ● The main application	
Trigger	Clicks the "Log In" button.	
Main Scenario	Step	Action
	1	Types username in top box
	2	Types password in lower box
	3	Clicks "Log In" button.
	4	Validation system checks whether password is correct for the given username.
	5	Directs to the application home page
Extensions	Step	Branching Action
	4a	Login Fails
	4b	System opens a popup stating error message.
	4c	User clicks the "Close" button.
	4d	Login page gets refreshed.
Open Issues	User forgets their password.	

2.2.   Use Case 2

Number	2
Name	Create Account
Summary	The user creates an account
Priority	1
Preconditions	● The user does not already have an account
Postconditions	● The user's account is created
Primary Actor	User

Secondary Actors	● Validation system ● Account management system	
Trigger	User click the "Create account" button on the login page	
Main Scenario	Step	Action
	1	Types email in the email field (required).
	2	Types display name (required).
	3	Types First name and Last name (required).
	4	Types password (required).
	5	Confirms password (required).
	6	Clicks on the "Create Account" button
	7	Validation system checks that email has not been used by another existing user.
	8	Validation system checks that the password and confirmation password are the same.
	9	Directs to the "Create Profile" page.
Extensions	Step	Branching Action
	7a	The email has already been used as a username by another user.
	7b	Modal popup containing error message.
	7c	User selects another email.
	8a	Password and confirmation password don't match.
	8b	Modal popup containing error message.
	8c	User retypes passwords.
Open Issues		

2.3.   Use Case 3

Number	3	
Name	Create group	
Summary	The User creates a group	
Priority	1 (highest priority)	
Preconditions	● User is logged into the application	
Postconditions	● A group is created	
Primary Actor	User	
Secondary Actors	Group management system Validation system	
Trigger	User clicks the "create group" button	
Main Scenario	**Step**	**Action**
	1	User selects a subject
	2	User selects a class
	3	User selects a class section
	4	User enters the maximum number of members (1-500)
	5	User selects if group is public or private
	6	User clicks the "Submit" button
	7	Validation system checks that all options are filled
	8	Validation system checks if max number of members is between 1-500
	9	User is redirected to the page of the group they just created
Extensions	**Step**	**Branching Action**
	7a	popup is shown telling user the fields that still need to be filled in
	8a	popup is shown telling user max number of members is not

	within the 1-500 range
Open Issues	none

2.4. Use Case 4

Number	4	
Name	User leaves a group	
Summary	A user leaves a group	
Priority	2 (high)	
Preconditions	● A user is a member of a group ● User is on the group page	
Postconditions	● A user is no longer a member of a group	
Primary Actor	User	
Secondary Actors	Group management subsystem	
Trigger	A user wants to leave a group	
Main Scenario	**Step**	**Action**
	1	User clicks the "Leave Group" button
	2	User selects the "yes" button on the "are you sure?" popup
	3	Group management subsystem removes the user from the group
	4	User is brought to the application main page
Extensions	**Step**	**Branching Action**
	2a	User selects "cancel" button on the "are you sure?" popup
	2b	User is brought back to the group page
Open Issues	none	

2.5.   Use Case 5

Number	5	
Name	User joins a searched for group	
Summary	A user joins a group	
Priority	1 (highest)	
Preconditions	A user has already searched for a group	
Postconditions	A user has joined a group	
Primary Actor	User	
Secondary Actors	Group management subsystem Group permissions system	
Trigger	A user wants to join a group	
Main Scenario	Step	Action
	1	User finds the desired group from the search results
	2	User clicks the "join" button for their desired group
	3	User management system places user into group
	4	User is given lowest permission level for group
	5	User is redirected to the group page
Extensions	Step	Branching Action
	1a	
Open Issues	none	

2.6.   Use Case 6

Number	6
Name	User Joins a group by group-id
Summary	User joins group by group-id

Priority	3 (normal)
Preconditions	User is on home page User knows the group of their desired group
Postconditions	User is placed into group
Primary Actor	User
Secondary Actors	Group management system Group permissions system
Trigger	User wants to join a group by group-id

Main Scenario	Step	Action
	1	User clicks the "join group by id" button
	2	User enters the group-id
	3	User clicks "join" button
	3	User management system places user into group
	4	User is given lowest permission level for group
	5	User is redirected to the group page
Extensions	Step	Branching Action
	3a	popup appears telling user "group-id is incorrect/ group does not exist"
Open Issues	none	

2.7. Use Case 7

Number	7
Name	Remove user from group
Summary	The user with removing permissions removes a different user from a group
Priority	3 (normal)

Preconditions	A user has "remove member" permissions for a group
	A user is currently on the group page
	The user to be removed is currently a member of the group

Postconditions	User is removed from group

Primary Actor	User with "remove member" permissions

Secondary Actors	User who is a member of the group
	group management subsystem
	group permissions subsystem

Trigger	A user wants to remove a different user from the group

Main Scenario	Step	Action
	1	User selects the group member they want to remove from the group members list
	2	User clicks the "remove from group" button
	3	User select "yes" button from the are you sure popup
	4	Group management system removes selected user from the group
	5	Selected user no longer shows up in the group members list
Extensions	Step	Branching Action
	2a	User has incorrect permissions and the "remove from group" button is not present
Open Issues	none	

2.8.   Use Case 8

Number	8
Name	Group Creator changes group permissions
Summary	The owner of the group modifies the permissions level of a member of the group. The permissions level can be increased or decreased.
Priority	3

Preconditions	User modifying permissions is the group's owner User is currently on the group page User to have permissions modified is currently a member of the group	
Postconditions	User's permissions are modified	
Primary Actor	User that is the group's owner	
Secondary Actors	group permissions subsystem	
Trigger	The group owner wants to modify the permissions of a group member	
Main Scenario	Step	Action
	1	The group owner selects a user from the group members list.
	2	The user's permissions button is clicked
	3	A popup window displays permission options for user
	4	A permission level is clicked
	5	The update button is clicked
	6	The popup window closes
	7	The group permissions subsystem updates and saves the new permission level of the user
Extensions	Step	Branching Action
	1a	After selecting a permission the group owner clicks the cancel button
	1b	The popup window closes
Open Issues	Can the group owner modify their own permissions?	

2.9.   Use Case 9

Number	9
Name	Admin Views Report
Summary	An admin opens a report and reviews the report information

Priority	2
Preconditions	The admin is logged in The "View Report" page is open
Postconditions	A window is opened containing the report's information
Primary Actor	Admin user
Secondary Actors	Notification Subsystem
Trigger	The admin wants to open and look at a report

Main Scenario	Step	Action
	1	Admin clicks the view button next to a report they want to review
	2	A popup window opens and displays the report's information
	3	
Extensions	Step	Branching Action
	1a	
Open Issues		

2.10.   Use Case 10

Number	10
Name	Admin Adds Information
Summary	Admin can add information about classes taught in a semester, and room location availability, to the database.
Priority	1 (highest priority)
Preconditions	Admin must be logged into the application.
Postconditions	New information is added to the application database.

Primary Actor	Admin	
Secondary Actors	Database system	
Trigger	Admin clicks the "Add Information" button.	
Main Scenario	Step	Action
	1	Admin clicks the "Add Information" button.
	2	Database system displays the current class and room information for the semester.
	3	Admin fills in the available fields.
	4	Admin clicks the "Submit" button.
	5	Database system updates changes in database.
Extensions	Step	Branching Action
	4a	Admin clicks the "Cancel" button.
	5a	If the information is already in the database, displays error message.
Open Issues	Admin provides incorrect information about a class or room.	

2.11.   Use Case 11

Number	11
Name	Admin Searches for a User
Summary	Admin can search for a user by username.
Priority	3 (normal priority)
Preconditions	Admin must be logged into the application.
Postconditions	Displays the user's username, and provides options for resetting the user's password, temporarily inactivating the user's account, or permanently deleting the user's account.
Primary Actor	Admin

Secondary Actors	Database system	
Trigger	Admin clicks the "Search for User" button.	
Main Scenario	Step	Action
	1	Admin clicks the "Search for User" button.
	2	Admin enters the user's username.
	3	Database system searches for the user and displays the options for the admin.
Extensions	Step	Branching Action
	3a	If no user with that username exists, displays "User not found".
Open Issues		

2.12.   Use Case 12

Number	12	
Name	Admin Deletes a User's Account	
Summary	Admin can permanently delete the user's account.	
Priority	2 (high priority)	
Preconditions	Admin must be logged into the application. Admin must also be on the "Search for User" page, and must have searched for and found a specific user.	
Postconditions	User's account gets permanently deleted.	
Primary Actor	Admin	
Secondary Actors	Database system Verification system	
Trigger	Admin clicks the "Delete User" button.	
Main Scenario	Step	Action
	1	Admin clicks the "Delete User" button.

	2	Database system will verify to make sure that the user still exists in the database.
	3	Verification system will display a confirmation popup "Are you sure you want to delete this user?"
	4	Admin clicks on the option "Yes".
	5	Database system will delete the user's information from the database.
	6	Admin gets redirected to the application homepage.
Extensions	**Step**	**Branching Action**
	4a	Admin clicks on the option "No", and the popup closes.
Open Issues		

2.13.   Use Case 13

Number	13	
Name	Admin Deactivates a User's Account	
Summary	Admin can deactivate a user's account.	
Priority	3 (normal priority)	
Preconditions	Admin must be logged into the application. Admin must also be on the "Search for User" page, and must have searched for and found a specific user.	
Postconditions	User's account gets deactivated.	
Primary Actor	Admin	
Secondary Actors	Database system	
Trigger	Admin clicks the "Inactive" button.	
Main Scenario	**Step**	**Action**
	1	Admin clicks the "Inactive" button.

	2	Database system will update the user's account status in the database.
Extensions	**Step**	**Branching Action**
	1a	Admin wants to activate the account if it is already inactivated.
	1b	Admins clicks on the "Activate" button, and the database system updates the user's account status in the database.
Open Issues		

2.14. Use Case 14

Number	14	
Name	Admin Resets User password	
Summary	The admin resets a user's password by deleting the current one	
Priority	2	
Preconditions	Admin must be logged in Admin must also be on the "Search for User" page Admin must have searched for and found a specific user	
Postconditions	A user's password is deleted	
Primary Actor	Admin user	
Secondary Actors	Database system	
Trigger	An admin receives a notification to reset a user's password	
Main Scenario	**Step**	**Action**
	1	Admin clicks on user password text box
	2	Admin types in temporary password
	3	Admin clicks save button
	4	Database system updates user's password information
	5	Search result window closes

Extensions	Step	Branching Action
	1a	Admin clicks cancel button
	1b	Search result window closes
Open Issues		

2.15.   Use Case 15

Number	15	
Name	Admin Deletes all groups	
Summary	An admin deletes all groups from the database at the end of a semester	
Priority	2	
Preconditions	Admin is logged in Admin must also be on the "Delete" page	
Postconditions	All groups are deleted from the database	
Primary Actor	Admin user	
Secondary Actors	Database subsystem	
Trigger	An admin wants to delete all groups from the database	
Main Scenario	Step	Action
	1	Admin clicks the "delete all groups" button
	2	A confirmation popup window opens
	3	Admin clicks yes button
	4	Confirmation popup window closes
	5	The database subsystem deletes all groups from the database
Extensions	Step	Branching Action

	1a	Admin clicks no button in the confirmation window
	1b	Confirmation window closes
Open Issues	Scope of groups admin is able to delete	

2.16.   Use Case 16

Number	16	
Name	Sign out of the Application	
Summary	The user/admin sings of the application	
Priority	1	
Preconditions	The user/admin is logged in	
Postconditions	The user/admin successfully signs out of the application	
Primary Actor	user/admin	
Secondary Actors	Web Server	
Trigger	The user clicks on the "Sign out" button	
Main Scenario	**Step**	**Action**
	1	The user/admin moves their mouse to their named located on the upper right hand side of the page
	2	The user/admin click on the "sign out" button
	3	The system logs user/admin out of the application
	4	Redirects to the main page
Extensions	**Step**	**Branching Action**
Open Issues		

2.17.   Use Case 17

Number	17
Name	Schedule a Meeting in a Group
Summary	The group leader schedules a meeting for the group
Priority	1
Preconditions	The group leader is on the group page
Postconditions	A meeting has been successfully scheduled by the group leader
Primary Actor	The group leader
Secondary Actors	Scheduling Database
Trigger	The group leader clicks on the "Create" button

Main Scenario	Step	Action
	1	The group leader clicks on the "Create a meeting" button
	2	A modal popup opens
	3	The group leaders selects a date for the meeting
	4	The group leader selects a start time for the meeting
	5	The group leader selects an end time for the meeting
	6	The group leader selects a location for the meeting
	7	The group leader adds notes for the meeting
	8	The scheduling system creates the meeting for the group
	9	The system adds the meeting the group calendar
Extensions	Step	Branching Action
Open Issues		

2.18.   Use Case 18

Number	18
Name	Respond to a Meeting Request
Summary	The user accepts to attend the meeting scheduled by the group leader.
Priority	2
Preconditions	The user is logged in
Postconditions	The user has accepted to attend this meeting
Primary Actor	Members of the group
Secondary Actors	Scheduling Database
Trigger	The user clicks on the "Yes" button

Main Scenario	Step	Action
	1	The user clicks on the meeting date in the calendar on the main page
	2	A modal popup opens, asking user whether or not they are going to attend the meeting
	3	The user clicks on the "Yes" button to attend the meeting
	4	The scheduling system counts of how many members are attending the meeting to ensure that it does not exceed the maximum capacity of the meeting location
Extensions	Step	Branching Action
	3a	The user clicks on the "No" button to not attend the meeting
Open Issues		

2.19.   Use Case 19

Number	19

Name	Submit a Report
Summary	The user submits a report of other group members to the admin
Priority	3
Preconditions	● the user is logged in ● the user is on the group page
Postconditions	A report has been successfully submitted to the admin
Primary Actor	user
Secondary Actors	Reporting System
Trigger	The user clicks on the "Submit" button on the Report modal popup

Main Scenario	Step	Action
	1	Under the List of Members, the user clicks on the "Report" option besides the name of the group member that they want to report
	2	The "Report" modal popup opens
	3	The user enter the reportees' name in the Reportee field
	4	The user selects a report type from a drop down list in the Report Type field
	5	The user writes reasons of this report in the Comment field
	6	The user clicks on the "Submit" button
	7	The reporting system sends the report to the admin
Extensions	Step	Branching Action
Open Issues		

2.20. Use Case 20

Number	20

Name	Chat within a group
Summary	The users in a group can communicate on their group page
Priority	3
Preconditions	The user has joined a group
Postconditions	The user sends/receives a message in the group chat room
Primary Actor	All users in a group
Secondary Actors	Chatting system
Trigger	A user initiates a chat by sending a message in the group chat room

Main Scenario	Step	Action
	1	Types in a message in the group message room
	2	Clicks the "Send" button to send a message to all users in a group
	3	The message is displayed on the group chat room to all the users who are currently on the group page
Extensions	Step	Branching Action
	2a	The message cannot be sent
	2b	Error message is shown to the sender
Open Issues		

2.21.   Use Case 21

Number	21
Name	User Searches for a group
Summary	The user searches for a group
Priority	2
Preconditions	The user is logged in to the application

Postconditions	Search list is displayed	
Primary Actor	The user who searches for the group	
Secondary Actors	Group database	
Trigger	The user clicks "Search" button	
Main Scenario	Step	Action
	1	A modal popup displays the search criteria
	2	Enters the search criteria
	3	Enter the group code
	4	Click "Search" Button
	5	The list of search results is displayed on a new page
Extensions	Step	Branching Action
	2a	Selects the subject from the dropdown menu
	2b	Selects the class from the dropdown menu
	2c	Selects the section from the dropdown menu
	4a	Click "Cancel" button
	4b	Modal is closed and resumes back to the home page
Open Issues		

2.22.   Use Case 22

Number	22
Name	Send message to group member
Summary	The user sends a message to other group members
Priority	4
Preconditions	The user is on the group page

Postconditions	● A message is sent to a user ● The receiver of the message receives the message	
Primary Actor	The sender/receiver of the message	
Secondary Actors	Messaging System	
Trigger	The user clicks the "Notify User" button	
Main Scenario	**Step**	**Action**
	1	A modal popup for messages overlays the group page
	2	Types in the message
	3	Clicks "Send" button
	4	The receiver receives the message
Extensions	**Step**	**Branching Action**
	3a	Unable to send the message
	3b	An error is displayed on the modal
Open Issues		

2.23.   Use Case 23

Number	23
Name	User Views the messages received
Summary	The receiver of the message views the message on a the notification page
Priority	4
Preconditions	The receiver has received an message from another user
Postconditions	The receiver views the message received
Primary Actor	Message Receiver
Secondary	Notification system

Actors		
Trigger	The user opens up the notification center	
Main Scenario	**Step**	**Action**
	1	Clicks on the notification icon on the top right hand corner
	2	Clicks on the unread message on the notification page
	3	Views the unread message
Extensions	**Step**	**Branching Action**
	2a	No unread message
	2b	Displays a list of past conversations
Open Issues		

2.24.   Use Case 24

Number	24	
Name	Admin Creates an account	
Summary	The admin is able to create an Admin account on the application.	
Priority	1	
Preconditions	The admin does not already have an account. Admin has a username and password already given to him/her.	
Postconditions	The admin's account is created	
Primary Actor	Admin	
Secondary Actors	● Account management system	
Trigger	Admin clicks the "Create account" button on the login page	
Main Scenario	**Step**	**Action**
	1	Types special email in the email field (required).

	2	Types password (required).
	3	Clicks on the "Create Account" button
	4	Account management system verifies input
	5	Directs to the application login page.
Extensions	**Step**	**Branching Action**
Open Issues		

2.25.   Use Case 25

Number	25	
Name	User Starts a New Search	
Summary	The user searches to find another user and view his/her profile.	
Priority	3	
Preconditions	The user is logged in to the application	
Postconditions	Search list is displayed	
Primary Actor	User who is searching	
Secondary Actors	Group database	
Trigger	The user clicks the "Search" button	
Main Scenario	**Step**	**Action**
	1	A modal popup displays the search criteria
	2	Enters the search criteria
	3	Click "Search" Button
	4	Search request processed in group database.
	5	The list of search results is displayed on a new page.
Extensions	**Step**	**Branching Action**

	3a	Click "Cancel" button
	3b	Modal is closed and resumes back to the home page
Open Issues		

2.26.   Use Case 26

Number	26	
Name	View meetings	
Summary	The user can view upcoming meetings on the calendar.	
Priority	3	
Preconditions	The user is logged in to the application. The user is either on the homepage or is in the main page for a group he/she is a member of .	
Postconditions	View meetings on the calendar	
Primary Actor	User	
Secondary Actors	Calendar API	
Trigger	The user clicks the left and right buttons on the calendar.	
Main Scenario	**Step**	**Action**
	1	Users clicks the left button to view meetings in the previous month.
	2	Calendar API processes the request and changes the calendar screen to the previous month.
	3	Users clicks the right button to view meetings in the next month.
	4	Calendar API processes the request and changes the calendar screen to the next month.
Extensions	**Step**	**Branching Action**
Open Issues		

2.27. Use Case 27

Number	27
Name	View meeting details
Summary	The user can view the details about upcoming meetings on the calendar, such as the date, time, and location.
Priority	4
Preconditions	The user is logged in to the application. The user is either on the homepage or is in the main page for a group he/she is a member of.
Postconditions	View meeting details on the calendar
Primary Actor	User
Secondary Actors	Calendar API Meetings Database
Trigger	The user clicks on a specific date containing a meeting.

Main Scenario	Step	Action
	1	User clicks on a highlighted date.
	2	Calendar API processes the request.
	3	Meetings database collects the data for the meeting.
	4	Details for the meeting are displayed under the calendar.
Extensions	Step	Branching Action
	1a	User clicks on a date with no meeting. "No meetings on this date" will be displayed.
Open Issues		

2.28. Use Case 28

Number	28
Name	Send message to whole group
Summary	The user can send a message to all members in the group.

Priority	4
Preconditions	The user is on the group page, and has the permission to send group messages.
Postconditions	All members in the group will receive the message.
Primary Actor	The sender of the message
Secondary Actors	Messaging System
Trigger	The user clicks the "Send group message" button

Main Scenario	Step	Action
	1	A modal popup for messages overlays the group page
	2	Types in the message
	3	Clicks "Send" button
	4	All members receive the message.

Extensions	Step	Branching Action
	3a	Unable to send the message
	3b	An error is displayed on the modal
Open Issues		

2.29. Use Case 29

Number	29
Name	Leave the chat
Summary	User can leave the chat after he/she is done.
Priority	5
Preconditions	The user has joined a group and is on the group page.
Postconditions	The user leaves the chat.
Primary Actor	User leaving the chat

Secondary Actors	Chatting system	
Trigger	User leaves the group page.	
Main Scenario	**Step**	**Action**
	1	User clicks the button to return to the application's homepage.
	2	Chatting system updates that the user has left.
	3	User is redirected to the homepage.
Extensions	**Step**	**Branching Action**
Open Issues		

2.30.　　Use Case 30

Number	30	
Name	Admin Deletes Information	
Summary	Admin can delete information in the database about classes taught in a semester, and room location availability.	
Priority	3	
Preconditions	Admin must be logged into the application.	
Postconditions	Information gets deleted from the database.	
Primary Actor	Admin	
Secondary Actors	Database system	
Trigger	Admin clicks the "Delete Information" button.	
Main Scenario	**Step**	**Action**
	1	Admin clicks the "Delete Information" button.
	2	Database system displays the current class and room information for the semester.
	3	Admin clicks on the database item to delete.

	4	Admin clicks the "Delete" button.
	5	Database system updates changes in database.
Extensions	**Step**	**Branching Action**
	4a	Admin clicks the "Cancel" button.
Open Issues	Admin accidentally deletes the wrong piece of information about a class or room.	

2.31. Use Case 31

Number	31	
Name	Change a Meeting	
Summary	The group creator changes a meeting's time/date/location.	
Priority	1	
Preconditions	The group leader is on the group page	
Postconditions	The meeting's details are changed by the group leader. A notification of the change is sent as a message to all group members.	
Primary Actor	The group leader	
Secondary Actors	Scheduling Database Validation system	
Trigger	The group leader clicks on the "Edit meeting" button	
Main Scenario	**Step**	**Action**
	1	The group leader clicks on the "Edit meeting" button
	2	A modal popup opens
	3	The group leader changes some of the fields and clicks "Submit".
	4	The validation system checks that the fields have reasonable input.
	5	The scheduling system creates the meeting for the group

	6	The system adds the meeting the group calendar
Extensions	**Step**	**Branching Action**
	4a	User entered a end date/time that was smaller than the start date/time.
	4b	An error message is displayed.
Open Issues		

2.32.   Use Case 32

Number	32	
Name	Join a video chat	
Summary	The users in a group can join a video chat through Google Hangouts.	
Priority	3	
Preconditions	The user has joined a group and is on the group's page.	
Postconditions	The user is part of a video chat on Google Hangouts.	
Primary Actor	User joining the video chat	
Secondary Actors	Google Hangouts API	
Trigger	The user clicks the Google Hangouts link.	
Main Scenario	**Step**	**Action**
	1	The user clicks the Google Hangouts link on the group page.
	2	The Google Hangouts API processes the user's request.
	3	The user can begin video chatting.
Extensions	**Step**	**Branching Action**
	2a	The connection fails to be created.
	2b	Error message is shown to the user.
Open Issues		

2.33.   Use Case 33

Number	33	
Name	Create Profile	
Summary	The user creates a profile.	
Priority	2	
Preconditions	The user has created an account.	
Postconditions	The user's profile is created.	
Primary Actor	User	
Secondary Actors	● Validation system ● Account management system	
Trigger	User clicks the "Create Profile" button after creating an account.	
Main Scenario	Step	Action
	1	Types list of classes that he/she is taking that semester (required).
	2	Types a brief summary about himself/herself (optional).
	3	Clicks on the "Create Profile" button
	4	Directs to the application login page.
Extensions	Step	Branching Action
Open Issues		

2.34.   Use Case 34

Number	34
Name	Edit Profile
Summary	The user edits their profile.
Priority	4
Preconditions	The user has already created a profile.

Postconditions	The user's profile gets edited.
Primary Actor	User
Secondary Actors	● Account management database
Trigger	User clicks the "Edit Profile" button after clicking on their name on the application header.

Main Scenario	Step	Action
	1	User clicks on his/her name on the application header.
	2	User makes changes to the profile.
	3	User clicks on the "Update" button.
	4	These changes are updated in the database.
	5	User returns to the homepage.
Extensions	**Step**	**Branching Action**
	3a	User clicks on the "Cancel" button. Changes are not saved.
Open Issues		

2.35.   Use Case 35

Number	35
Name	Delete group
Summary	Group creator deletes the group.
Priority	4
Preconditions	Group creator must be on the page of the group to be deleted.
Postconditions	The group gets deleted from the system.
Primary Actor	Group creator user
Secondary Actors	Database system Verification system Notification system

Trigger	Admin clicks the "Delete Group" button.	
Main Scenario	**Step**	**Action**
	1	Admin clicks the "Delete Group" button.
	2	Database system will verify to make sure that the group still exists in the database.
	3	Verification system will display a confirmation popup "Are you sure you want to delete this group?"
	4	Admin clicks on the option "Yes".
	5	Notification system will send a message to all group members about the deletion of the group.
	5	Database system will delete the group's information from the database.
	6	User gets redirected to the application homepage.
Extensions	**Step**	**Branching Action**
	4a	User clicks on the option "No", and the popup closes.
Open Issues		

2.36.   Use Case 36

Number	36
Name	User joins a Closed group
Summary	A user joins a searched for group that is closed.
Priority	1
Preconditions	User has already searched for groups.
Postconditions	User joins the closed group.
Primary Actor	User
Secondary Actors	Group management subsystem

Trigger	User clicks the "Request" button next to a closed group on the search page.	
Main Scenario	**Step**	**Action**
	1	User decides on a closed group in the search results.
	2	User clicks the "Request" button.
	3	The subsystem sends a message to the group's creator.
	4	Acceptance/rejection notification sent to the user.
Extensions	**Step**	**Branching Action**
Open Issues	none	

2.37.   Use Case 37

Number	37	
Name	Handle closed group request	
Summary	Group creator must accept/reject a request to join the closed group.	
Priority	2	
Preconditions	Group creator has opened the request message.	
Postconditions	Group creator accepts/rejects the request.	
Primary Actor	Group creator user	
Secondary Actors	Group management subsystem	
Trigger	Creator clicks the "Accept" or "Reject" button.	
Main Scenario	**Step**	**Action**
	1	Creator reads the message and fills in the optional message box.
	2	Creator clicks the "Accept" button and clicks "Send".
	3	Requesting user gets added to the group.
	4	Acceptance notification sent to the user.

Extensions	Step	Branching Action
	2a	Group creator clicks the "Reject" button and clicks "Send".
	2b	Rejection notification sent to the user.
Open Issues	none	

3. Non-Functional Requirements

Requirement number	Item	Priority 1(highest) to 5 (highest)
1	The database should be secured	1
2	Reliable environment	1
3	Application is user-friendly	2
4	All code should follow a coding standard	3
5	Use the spiral software development process	1
6	The web service should always be available	1
7	Passwords are encrypted	2
8	Must use the AngularJS framework	2
9	Must use the MVC architecture	4
10	Must maintain page state when a page is refreshed	1
11	Guaranteed to work in Google Chrome	2
12	Application supports a minimum resolution of 1024x768	2

4. User Interface

See "User Interface Design Document for MyStudyGroupPlanner".

5. Deliverables

Hard copies of each of the following:

● Systems Requirement Specification

- System Design Document
- UI Design Document
- Testing Report
- Code Inspection Report

Electronic copies via email of the following:

- Systems Requirement Specification
- System Design Document
- UI Design Document
- Testing Report
- Code Inspection Report

6. Open Issues

Appendix A - Agreement Between Customer and Contractor

Appendix B - Team Review Sign-off

Appendix C - Document Contributions
- **Group**
  - **Use cases 1-2**
  - **Non-functional Requirements**
- **Tyler Campbell**
  - **Use case 3-7**
- **Aparna Kaliappan**
  - **Wrote use cases 10-13, 24-37**
  - **Created use case diagrams 10-13, 25-31**
- **Sean Murren**
  - **Section 5: Deliverables**
  - **Use cases 8-9, 14-15**
- **Ying Zhang**
  - **Introduction**
  - **Use Cases 16 - 19**
  - **Use case diagrams 1, 2, 16-24, 32-37**
- **Siqi (Sandy) Lin**
  - **Use Case 19 - 24**
  - **Non-functional Requirement 1-7**