

Use case Requirements:

ID	Requirement	Topic Area	Actor	Priority
US – 16	As a user, I should be able to create a new group	Group Management	User	High
US – 17	As a user who is a member of a group, I should be able to exit a group	Group Management	User	High
US – 18	As a group administrator, I should be able to add users to a group	Group Management	Group admin	High
US – 19	As a group administrator, I should be able to remove a user from a group	Group Management	Group admin	High
US – 20	As a group administrator, I should be able to make a group member an administrator	Group Management	Group admin	High
US - 21	As a group administrator, I should be able to delete an existing group	Group Management	Group admins	High

Use case documentation:

Use Case 1 : Create Group

Use Case ID:	US-16	
Use Case Name:	Create group	
Description:	Group for chatting with friends and sharing information	
Actors:	Users	
Pre-Conditions:	User should login to the chat application	
Post-Conditions:	The user who creates a group will be a group administrator	
Frequency of use:	Hourly	
Flow of events:	Actor Action	System Response
	1.Select Manage Group button	Returns options
	2.Select the contacts with whom you want to create a group	Returns all selected contacts
	3.Click create group button.	Asks for confirmation
	4. Select Yes Button	Creates the group
	5.Enter the name of the group	Returns the name of the group
Variations:	4.If two contacts are only present to form a group, then it will return to step 2. 4. If the user responds by clicking No button, then the group will not be created.	
Notes and Issues:		
Developer Notes:		

Use case 2: Exit Group

Use Case ID:	US-17	
Use Case Name:	Exit group	
Description:	User can exit from a group if he/she is no longer willing to be a participant	
Actors:	Users	
Pre-Conditions:	User can exit from the group only if he/she is a member of the group and the user should be logged in	
Post-Conditions:		
Frequency of use:	Hourly	
Flow of events:	Actor Action	System Response
	1.Select Manage Group Button	Returns Options
	2.Select the name of the group	Returns the name of the group
	3.Select Exit group Button	Asks for confirmation from user
	4.Click Yes Button	User is exited from group
Variations:	4. If the user responds by selecting No button, the user is not exited	
Notes and Issues:		
Developer Notes:		

UseCase3: Add user to group

Use Case ID:	US-18	
Use Case Name:	Add User to Group	
Description:	Once a group is created, the group admin can always add members to the group	
Actors:	Group Admin	
Pre-Conditions:	Group should exist, in order to add a new user to the group and group admin should be logged in.	
Post-Conditions:		
Frequency of use:	Hourly	
Flow of events:	Actor Action	System Response
	1.Select Manage Contact button	Returns Options
	2.Select the name of the group	Returns the name of the group
	3. Select all contacts to be added to group	Returns all selected contacts
	4. Click the Add to Group Button	System asks for confirmation
	5.Select Yes Button	Selected Users are added to the group
Variations:	5. If the group admin responds by selecting No button, the user is not added to group	
Notes and Issues:		
Developer Notes:		

Use case 04: Remove User from group

Use Case ID:	US-19	
Use Case Name:	Remove User from Group	
Description:	Once a group is created, the group admin can always remove members from the group	
Actors:	Group Admin	
Pre-Conditions:	Group should exist, in order to remove an existing user from the group and group admin should be logged in.	
Post-Conditions:		
Frequency of use:	Hourly	
Flow of events:	Actor Action	System Response
	1.Select Manage Contact Button	Returns Options
	2.Select Name of the group	Returns the name of group
	3. Select all contacts to be removed from the group	Returns the selected contacts
	4. Click the Remove Button	System asks for confirmation
	5.Select Yes button	Selected users are removed from the group
Variations:	5.If the group admin responds by selecting No button, the user is not removed from the group	
Notes and Issues:		
Developer Notes:		

Use Case 05: Make members admin

Use Case ID:	US-20	
Use Case Name:	Make members admin	
Description:	Group Admin can make other members present in the group as a group admin	
Actors:	Group Admin	
Pre-Conditions:	Group should exist and group admin should be logged in.	
Post-Conditions:	After the other member of the group is made as group admin, the new group admin can perform the functions of group admin	
Frequency of use:	Hourly	
Flow of events:	Actor Action	System Response
	1.Select Manage Contact button	Returns options
	2.Select the name of the group	Returns the name of the group
	3.Select all contacts to be made as group admin	Returns all selected contacts
	4. Click the Make Group Admin Button	System asks for confirmation
	5.Select Yes Button	Selected users are made as Group admin
Variations:	5. If the group admin responds by selecting No button, the user will not be made as group admin	
Notes and Issues:		
Developer Notes:		

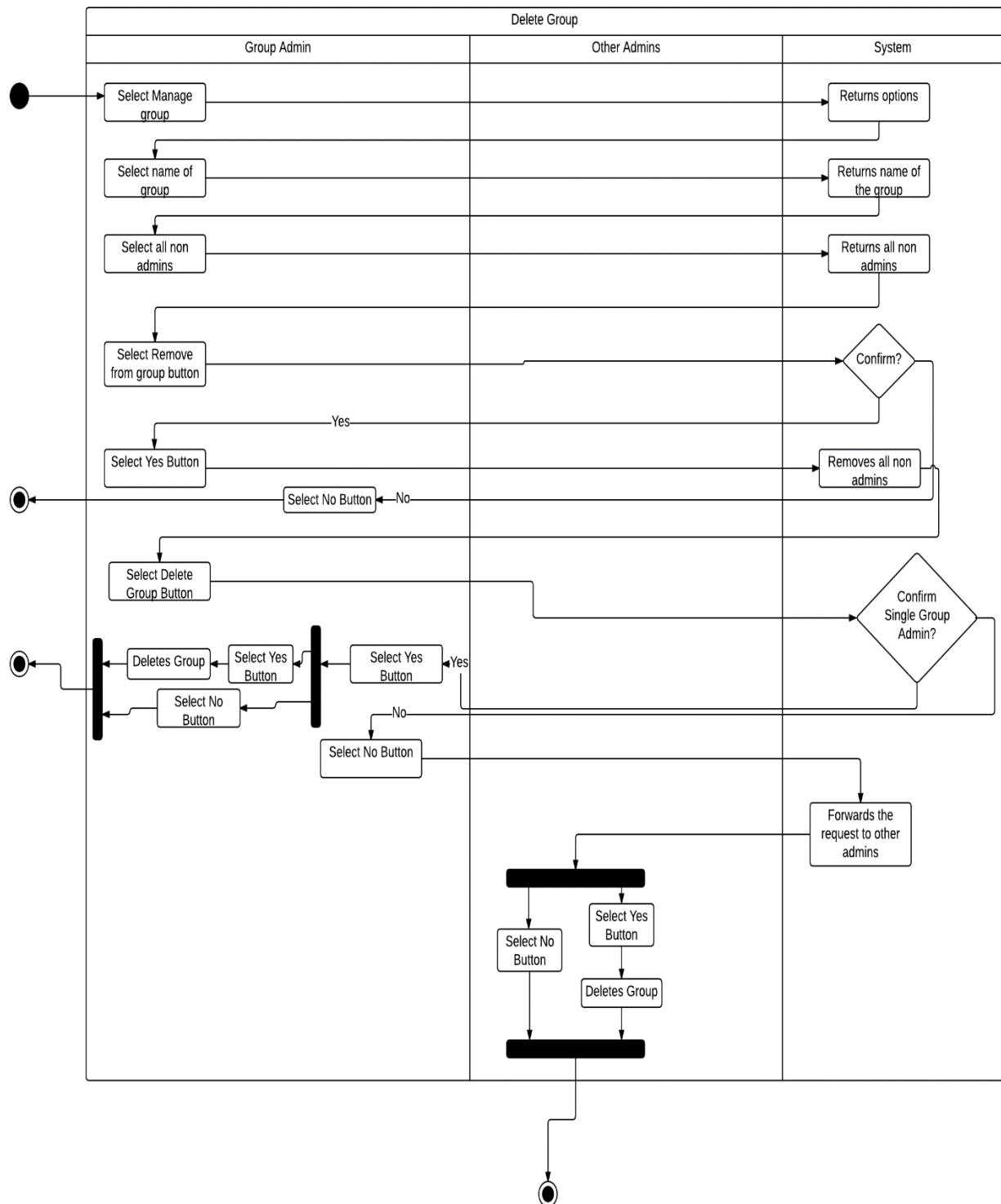
Use case 06: Delete group

Use Case ID:	US-21		
Use Case Name:	Delete group		
Description:	Group admin can delete a group at any instance.		
Actors:	Group Admin, Other admins		
Pre-Conditions:	Group should exist and group admin should be logged in.		
Post-Conditions:			
Frequency of use:	Day		
Flow of events:	Group Admin	Other Admins	System Response
	1.Select Manage group button		Returns options
	2.Select the name of group		Returns the name of the group
	3.Selects all non admin users present in group		Returns all non-admin users
	4.Click Remove from group button		System asks for confirmation
	5.Select Yes Button		Removes all non-admin users
	6. Click Delete group button		a)System asks for confirmation from group admin, if there is single group admin present in group
	6a.Select Yes Button. Case 1: Select Yes Button and Deletes Group		Ends the activity
	6b.Select No button		Forwards the Request to other admins

		Case 1:Select Yes button and Deletes Group	Ends the activity
Variations:	<p>5. If the Group Admin responds by selecting No button, non admins will not be removed from group and system ends the activity</p> <p>6a.Case2: If the group admin responds by selecting No button, then the group will not be deleted and system ends the activity</p> <p>6b. Case 2: If the other admins reject the request by clicking No button, then the group will not be deleted and system ends the activity.</p>		
Notes and Issues:			
Developer Notes:			

Activity Diagram:

Use Case : Delete Group



Sequence Diagram:

Use case : Delete Group

Sequence Diagram:Delete Group

