Team 17 - WeGroup
Incremental Testing & Regression Testing Sprint 2

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Incremental & Regression Testing

Module	Component A - Sign Up		
Incremental Testing			
Defect #	Description	Severity	How to correct
1	When a sign up fails due to incorrect email format or duplicate user name, the alert only says "fail to sign up" without explaining the reason	3	Read the error code from server and send a human readable alert to the user
Regression Testing			
Defect #	Description	Severity	How to correct
1	Fixing this issue causes the app to crash when the error code is not recognized	1	If the the error code is not recognized, just send "fail to sign up" instead

Module	Component B - Login		
Incremental Testing			
Defect #	Description	Severity	How to correct
0	No defects found	0	
Regression Testing			
Defect #	Description	Severity	How to correct

Module	Component C - Contacts List		
Incremental Testing			
Defect #	Description	Severity	How to correct
1	Searching results remain after hitting "cancel" button, the full list is not shown	2	Copy the original array before searching and set the result array to original when user cancels searching

Defect #	Description	Severity	How to correct
2	Tapping on a contact crashes the app	1	Rename the segue identifier to match the function call
3	Deleting a friend is not mutual, which means the friend can still see your contact and send messages to you	3	When deleting a friend, reverse the process of creation of friendships, delete both friendship
Regression Testing			
Defect #	Description	Severity	How to correct
1	Fixing this problem causes adding friend don't show up instantly	2	Besides adding the new friend to the main Data model, add it to the filtered array of contacts as well, which is what the tableview reloads data based on

Module	Component D - Conversations List		
Incremental Testing			
Defect #	Description	Severity	How to correct
1	Conversations are not ordered by time	3	Pop a conversation to the top when a new message is received
Regression Testing			
Defect #	Description	Severity	How to correct

Module	Component E - Direct Messages		
Incremental Testing			
Defect #	Description	Severity	How to correct
1	The table does not scroll to the bottom when new messages come in, causing the keyboard to block the new messages from being seen	2	Programmatically added auto scroll whenever a new message is received
2	The UI freezes a little when the user sends messages too frequently	3	Optimization needed

3	When user spams messages, sometimes blank messages get sent	2	Add a check nil or empty string before sending the message or adding it locally
Regression Testing			
Defect #	Description	Severity	How to correct
1	Add auto scroll caused the keyboard to dismiss and unable to popup. Therefore the user is unable to type from that point	1	This was because the table view was set to be "dismiss keyboard when the tableview is being scrolled". Changing the setting to "don't miss keyboard" will fix the problem
1	Fixing the problem above caused the keyboard not to dismiss, event after sending messages	2	In the textField delegate, manually add dismiss keyboard when the "send" button is hit

Module	Component F - Group Messages		
Incremental Testing			
Defect #	Description	Severity	How to correct
1	Only one user in the "users" array can actually receive the message	1	This happened because of the design of the sending and receiving messages schema. The message is removed after the user receives, therefore whenever whoever is "online" and receives the message, other users can't find other message objects for them in the database
2	Group messages are received as a private message from the original sender	1	This was due to bad data storage schema in the backend. Optimization is needed
Regression Testing			
Defect #	Description	Severity	How to correct
1	Fixing this problem causes users to receive infinite duplicate messages	1	The database does not know which user has received the data should not be sent again, therefore the messages are appended to the conversations every time the app fetches data

Module	Component G - Settings

Incremental Testing			
Defect #	Description	Severity	How to correct
1	The "update" button don't show up after the user changes profile data. Users are unable to upload new profile to server	1	Add a textField delegate and when the text is changed check if changes have been made, if so show the "upload" button
Regression Testing			
Defect #	Description	Severity	How to correct
1	Fixing this problem also caused another related problem, that the button will always be there even when the user hasn't updated anything, he/she is able to upload to server	2	Again in the textField delegate, check if the no changes are made compared to the old one, "upload" button should be disabled