

# ***Team 17 - WeGroup***

## **Test Plan**

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### **(1) Registration**

- A. Registration 000, Registration Availability, Severity 1, Functionality
- B. The user registers for a new account
- C. The user should be able to register for a new account successfully
  
- A. Registration 001, Register Button, Severity 1, Functionality
- B. On the login screen, the user clicks “Register” button
- C. The registration view should appear and users are able to fill in information.
  
- A. Registration 002, Email Address, Severity 2, Boundary
- B. Enter the email address that has already been registered into the email text field.
- C. The system should reject the registration, and pops up a view to alert the user that the email address has already been registered.
  
- A. Registration 003, Email Address, Severity 2, Boundary
- B. Type in something that is not of email format in the email text field
- C. The system should reject the input and pops up a view to alert the user that the email address is invalid
  
- A. Registration 004, User Name, Severity 2, Boundary
- B. Enter 3 characters (must be letters and/or numbers) in the user name text field.
- C. A small sign appears to indicate the user name is illegal.
  
- A. Registration 005, User Name, Severity 2, Boundary
- B. Enter 15 characters (must be letters and/or numbers) in the user name text field.
- C. A small sign appears to indicate the user name is illegal
  
- A. Registration 006, User Name, Severity 2, Equivalence
- B. Enter 4 - 14 characters (must be letters and/or numbers) in the user name text field.
- C. A small sign will appear to indicate the user name is legal.
  
- A. Registration 007, User Name, Severity 2, Equivalence
- B. Enter 4 - 14 characters with symbols in the user name text field.
- C. A small sign appears to indicate the user name is legal
  
- A. Registration 008, Password, Severity 2, Boundary
- B. Enter 5 characters in the password text field.

C. A small sign appears to indicate the password is illegal.

A. Registration 009, Password, Severity 2, Boundary

B. Enter 16 characters in the password text field.

C. A small sign appears to indicate the password is illegal.

A. Registration 010, Password, Severity 2, Equivalence

B. Enter 6 - 15 characters in the password text field.

C. A small sign appears to indicate the password is legal.

## (2) Creating profile

A. Profile 001, Birthday, Severity 2, Functionality

B. Click on “setting” button, click on “profile” button, and click on “Month”, “Day” and “Year” buttons.

C. The selector shows up for users to select the birthday date.

A. Profile 002, Short Bio, severity 2, Boundary

B. Click on “setting” button, click on “profile” button, and enter 141 characters in the short bio text field.

C. Popup box appears saying that “the number of words exceeds 140.”

A. Profile 003, Short Bio, severity 2, Equivalence

B. Click on “setting” button, click on “profile” button, and enter 0 - 140 characters in the short bio text field.

C. A small sign on the right of the text box indicates the input is valid.

## (3) Retrieving password

A. Password 001, Forget Password, severity 2, Functionality

B. Click on “Forget Password” button on the login page and enter the email address used for registration.

C. The password should be sent to the email address.

A. Password 002, Forget Password, severity 2, Boundary

B. Click on “Forget Password” button on the login page and enter an invalid email address.

C. Popup appears saying “No such email address found”

## (4) Adding and deleting friends

A. Friends 001, Search Button, Severity 1, Functionality

B. Click “Add friend” button.

C. Successfully send add friend message to user

A. Friends 002, Add Friend Button , Severity 2, Equivalence

B. The user adds him/herself as a friend

C. Popup message “You can not add yourself to your friend list”

A. Friends 003, Add friend when friends number reach the upper limit, Severity 3, Boundary

B. Click “Add Friend” button

C. Popup window with “You have already reach the upper limit of friends number. Please delete some friends before add a new one”

A. Friends 004, Delete Button, Severity 1, Functionality

B. Click “Delete” button.

C. popup message “Do you want to delete this friend?”

A. Friends 005, Yes/No button, Severity 1, Functionality

B. Choose Yes or No button to select either keeping this friend or deleting him.

C. Remove 2 users from their friend lists, clear all direct conversation between those 2 users

#### (5) Direct Conversations

A. Conversation 001, Conversation Button, Severity 1, Functionality

B. Click “ conversation” button with a friend which user does not have conversation with.

C. Create dialog box for 2 users.

A. Conversation 002, Mute Conversation, Severity 3, Functionality

B. Open a direct conversation, click on “info” button and go to info panel, turn the “mute” switch on.

C. A sign pops up indicating that the conversation is muted

A. Conversation 003, Mute Conversation, Severity 3, Functionality

B. Mute a conversation, and then receives a message from this conversation

C. The user doesn’t get any notifications about the message

#### (6) Group Conversations

A. Conversation 012, create a conversation with a stranger, Severity 3, Boundary

B. Choose a non-friend member in group

C. Popup window with “Please add \*\*\* to your friend list before create a conversation”

A. Conversation 013, Conversation Button, Severity 2, Equivalence

- B. Click “Conversation” Button with a friend which user already created conversation with.
- C. Redirect to the conversation page with the message that the conversation is successfully created.

- A. Conversation 014, Create Button, Severity 1, Functionality
- B. Click “Create group conversation” button.
- C. Popup the interface lists all the friends from users’s contacts.

- A. Conversation 015, invalid number of friends choose, Severity 3, Boundary
- B. Choose only 1 friend or 2 friends include the user itself
- C. Redirect to a direct conversation if the conversation with the choosen friend exists else create a new direct conversation with the chosen friend.

- A. Conversation 016, Create group conversation with appropriate number of friends , Severity 2, Equivalence
- B. Choose any number greater than 2 and less than the total number of friends.
- C. Redirect to the group conversation page with the message that the group conversation is successfully created.

- A. Group 001, Invite Friends to A Group Conversation, Severity 2, Functionality
- B. The user opens a group conversation, opens the “info” panel, and clicks the “add” button
- C. The system should pop up a view for adding friends

- A. Group 002, Invite Friends to A Group Conversation, Severity 2, Functionality
- B. After popping up the adding friends view, the user selects a friend
- C. The friend selected should be added to the group conversation

## (7) Searching

- A. Search 001, Search Button, Severity 2, Functionality
- B. Click “Contacts” button.
- C. Popup the interface lists all user’s contacts in alphabetic order with a search bar at the top of the interface.

- A. Search 002, Search a name that does not exist , Severity 3, Boundary
- B. Search for a name that does not match with any name of the user’s contacts.
- C. Pop up a blank list.

- A. Search 003, Search a name that exists, Severity 2, Equivalence
- B. Search for a name or a character that could be matched from user’s contacts.

C. List all the contacts that match the searching keyword in alphabetic order.

Search keyword in conversations

- A. Search 004, Search button in conversation, Severity 2, Functionality
- B. Click “Option” button in conversation interface then Click “Search History”
- C. Pop up the search bar.

- A. Search 004, the searching keyword does not exist in the history, Severity 3, Boundary
- B. No history matching the keyword.
- C. Pop up a blank list

- A. Search 005, the searching keyword exists in the history, Severity 2, Equivalence
- B. The history contains the searching keyword.
- C. Pop up a list with all the dialogues that contain the keyword.

(8) View groups that a friend is in

- A. View group 001, View the group list of a friend, Severity 2
- B. User tap a friend, and then tap group section(button)
- C. Show a list of groups that this friend is in

- A. View group 002, View the group list of a friend who has groups, Severity 3
- B. User tap a friend who has joined some groups
- C. Show a list of groups that this friend is in

- A. View group 003, friend has no group, Severity 3
- B. User tap a friend’s profile who didn’t join any group
- C. Print message ‘This user has no group’

(9) Topics

Create topics within a group chat

- A. Create topic 001, Create topic, Severity 1
- B. Tap new topic button and then input the topic name, hit enter
- C. The system firstly asks for topic name and then create a new topic with the name in topic list

- A. Create topic 002, Create topic with invalid name, Severity 2
- B. Tap new topic button and input a topic name that exists in the group, hit enter
- C. The system shows ‘topic already existed’, aborts creating, goes back to the group

- A. Create topic 003, Create topic with valid name, Severity 2
- B. Tap new topic button and input a topic name that does not exist in the group, hit enter

- C. The system creates a new topic with given name in the group
- A. Topics 002, Follow Topics, Severity 2, Functionality
- B. The user opens a group conversation, selects a topic, and clicks the “interested” button
- C. The “interested” button becomes hard to indicate the user has successfully followed the topic

- A. View message 001, view messages sorted by topics, Severity 2
- B. Tap a specific topic in a group
- C. Show the messages under a topic

- A. View message 002, view message in a topic that has no message, severity 3
- B. Tap a topic in a group which has no message
- C. Show an empty list of messages.

- A. View message 003, view message in a topic that has messages, severity 2
- B. Tap a topic in a group which has messages
- C. Show a list of messages in time order.

#### (10) Notifications

- A. Notifications 001, Receive Notifications, Severity 2, Functionality
- B. The user follows one topic in a group, and then receives a message that is under that topic
- C. The user should get a notification

- A. Notifications 002, Receive Notifications, Severity 2, Functionality
- B. The user follows one topic in a group, locks the phone, and then receives a message that is under that topic
- C. The user should get a notification on the lock screen

- A. Notifications 003, Receive Multiple Notifications, Severity 2, Functionality
- B. The user follows one topic in a group, and then receives multiple messages under that topic
- C. The user should get a notification for each message

- A. Notifications 004, Receive Notifications from Different Topics, Severity 2, Functionality
- B. The user follows multiple topics in one group, and then receives multiple messages under each of the topic
- C. The user should get notifications for all the messages

- A. Notifications 005, Do Not Receive Notifications, Severity 2, Functionality
  - B. The user receives multiple messages that are under topics that the user is not following
  - C. The user should not get any notification
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- A. Notifications 006, Do Not Receive Notifications, Severity 2, Functionality
  - B. The user opens a direct conversation, opens the “info” panel, and mutes the conversation. Then the user receives multiple messages from the direct conversation
  - C. The user should not get any notification