

Defect Log

Instruction of how to run the program:

Requirement for execution:

Architectural dependency: API greater than 15

Resource requirement: APK file

Instruction for execution:

- 1) Download apk file named Morefriends.apk
- 2) Install apk file in android phone
- 3) Open by click on icon of Morefriends application

Program instruction and functionality:

1. In Create Account screen, user can create account by type in username, email and password
2. In Login screen, user can login by type in correct username and password and navigate to create account page by click on create account button.
3. In mainpage screen, user can search for new people to chat with by click on button go, find friend list by slide to right with finger or navigate to menu which contains log out and my profile by click on button in left upper corner
4. In friendlist screen, user can check all friends profile by click on each entree of list
5. In chat screen, user can send and receive message by using keyboard and send button
6. In my profile screen, user can change personal information and contact information by change each text field
7. In other user's profile screen, user can start to chat with user and add user as friend by click on start chat button and Add AS Friend button.

Defect Log:

Defect #	Defect	Output Before Seeding	Output After Seeding	Suggested Correction	Black / White Box Testing	Severity
1	When user click the "forget password" button, it does not jump to the forget password activity.	User should jump to the forget password activity.	No respond after user's click.	Set onClick actionlistener to the forget password activity. Implement with Intent() function.	Black box	1
2	Success when user inputs nothing for username but click the "Sign up" button.	The application does nothing but prompts a warning message saying "Nickname should be at least 3 characters long".	Save the user information to database and prompt "sign up successfully".	Check the length of user input.	Black Box	1
3	Success when user does not input a valid email address.	Application checks validity of email address and prompt an error message if it is invalid.	Users are allowed to input any string as email address.	Check user's email address.	White box	1
4	User can set a negative age or a very high age.	Application checks if it is within a valid age range.	Application does not check age range. Can be negative value or arbitrarily high values.	Check user age.	White box	1
5	When there are too many messages, it	App will load more messages	App will only show the newest	Load more messages when user scrolls up.	Black box	1

	will only load some of the newest ones.	when the user scroll up.	messages.			
6	When user sign up successfully and click back, he is brought back to login page.	App will close if user click back on main page after a successful sign up.	User brought to log in page from main page after successful sign up.	Close login page after successful sign in.	White Box	1
7	When cropping image window is slide to bottom, it gets covered by the bottom toolbar and not able to resize.	Provide button to reset crop window. Check for window size before cropping, reset if it is too small.	User needs to go back to previous page and choose again the photo he wants.	Check for window size before crop and provide button to reset window.	Black Box	1
8	When editing the profile, if user does not modify a field and hits the save button, the unmodified field is set to empty.	The profile should keep the same and not change.	User's profile will become empty.	If the copy for the field is unedited by user, don't overwrite the corresponding previous field.	Black box	1
9	It is possible for a user to find himself and add himself as a friend.	When retrieving random strangers for a user to chat with, a user should not see himself in that list.	When retrieving random strangers for a user to chat with, a user can find himself on that list to chat and add as a friend.	When retrieving strangers to chat, make a check for every stranger retrieved, if current user id equals to a stranger's user id, don't return that user.	Black Box	2
10	User should not see the "add friend" button in the user info page for another	There should not be a "add friend" button for the user info	User can still see the "add friend" button in their friend's info page.	Remove the "add friend" button in the user info page if it is the current user's friend	Black box	2

	user if that user is already a friend of current user.	page.				
11	When retrieving data, if there is no internet connection, program will try to retrieve data for a short period of time before giving up and the user will have no way to know what happened.	If program failed to return any data because of a lack of internet connection, a toast message should be displayed to alert user.	If program failed to return any data because of a lack of internet connection, user is not alerted about it.	If it fails to retrieve data, check if there is internet connection and display a toast message stating so if not.	White Box	2
12	User is not allowed to set username to be blank when editing profile.	If user leaves the username blank and click save profile button, it will fail and prompt a warning message.	User can set the username to be empty and can save the change.	Check if the username has at least 3 characters before saving the change and prompt a warning message.	Black Box	2
13	If the number of messages exceed the page, the user will not see the newest messages.	The newest messages should be displayed on the screen.	If the number of messages exceed the page, it won't scroll down automatically.	Scroll list to the bottom on enter screen or when user click the editText.	Black Box	2
14	User cannot click edit profile button again from personal info page after successfully editing their personal info.	User should be able to click the edit profile button upon a successful profile edit to edit the profile page	No response on edit profile button after returning from edit profile page.	Set edit profile button to clickable again after setting it unclickable when editing personal info.	Black Box	2

		again.				
15	When setting profile picture, if the user takes photo a lot of times, there will be many temp image files which take up a lot of memory.	When taking image, remove all temp image files. Original copy of image will be left untouched.	The temp image files are saved in the memory.	Remove all temp image files and keep the original copy of image be left untouched.	White Box	2
16	User can add a particular user multiple times.	User should be able to only add someone only once, otherwise a toast warning should be prompted	The same user can be added multiple times, resulting in that user showing up multiple times on the friend list.	When adding a friend, make a check if the user's friend list already contains that friend's user id before proceeding.	Black Box	2
17	After user change his avatar from the edit profile page, his profile image doesn't change at the personal info page.	User should see his profile picture change in the personal info page immediately after successfully editing the profile picture.	After successfully editing the profile picture, when user return back to the personal info page, the user's avatar remains the previous profile picture.	Upon successfully editing the profile picture, refresh the current user info page again and retrieving the user's new avatar from the server.	Black Box	2
18	When chatting with a friend, user should not be allowed to send an empty message.	When user try to send the blank message, he will see a warning message and nothing will be sent.	User can send a blank message.	Add condition to handle when message is empty, prompt a warning message.	Black box	2
19	Main activity's personal info	The profile picture on	The profile picture on the	Refresh current user info in	Black Box	2

	does not get modified after user changes his avatar from the edit profile page.	the main activity should be the newest picture that user set for profile image.	main activity doesn't change after the user changes the profile image.	main activity.		
20	Nothing will shown in the user's avatar if user does not upload the profile photo.	User should see the default photo in his avatar.	User's avatar will show nothing.	Set the default avatar for each user.	Black box	3
21	Password could include space.	Password does not allow the space as characters.	User create a password with space.	Scan the password to check if contains a space. Use "toast" to show a warning message.	Black box	3
22	There is no warning message when user try to create a new account with existing email.	The program should prompt a warning message when user try to create an account using the existing email.	User get no information about the failure of register.	Prompt a warning message to user when fail to create the account.	Black box	3
23	After finish chatting and click the back button, the chat list information will not update.	The chat list should display the latest chatting message.	The chat list doesn't update the latest chatting message.	Reset background thread to poll for new messages when going back from chat activity.	Black Box	3
24	Program does not automatically return to personal info page upon	After a successful profile edit, the user should be automaticall	After successful edit, user remains in the edit profile page.	Close activity after the user hit the save button and the information is updated in the	Black Box	3

	successful profile edit.	y redirected back to the personal info page to view the changes.		server.		
25	When editing personal info, information fields do not retain the corresponding previous information,	When editing personal info, edit text should be the previous value by default.	When editing personal info, edit text is empty by default, users cannot see the previous information that they are editing over.	Upon clicking the edit personal info button, retrieve the information about the user from server and make the edit text default to their corresponding values.	Black Box	3