Seeded-Project-DefectLog

Team 4: ChatChat
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Defect No.	Defect	Output Before Seeding	Output After Seeding	Suggested Correction	Severity
1	Forgetting password doesn't check whether the input email exists	Prompt shows that the input email address does not exist	No prompt shown and email is sent to the wrong address	Check whether the email exists within Firebase	Important
2	User are unable to create a chat room under certain topic	Users are able to create a chat room under any topic	There is no option for user to create a chat room under topic "travel"	Update the arraylist in code and spinner in XML file	Workaround
3	Change password activity doesn't check if the new password is within the maximum characters(20)	Prompt shows "Error. Password too long" if more than 20 characters is entered as new password	No prompt given for password longer than 20 characters	Check the size for the new password	Workaround
4	Reset password email resend keeps spamming an email address (a user can press the resend button multiple times)	Prompt shows that the reset password email has been sent three times	No restriction for allowing the user to keep resending the reset password email	Check whether the resend button has been clicked three times or more	Important
5	Login function has no response when user enter	The app hints that password cannot be empty	The app stays in Login up page without any hint	Check if password is empty and hint user accordingly	Workaround

	empty password				
6	Login function have no response when user enter empty email	The app hints that email cannot be empty	The app stays in Login page without any hint	Check if email is empty and hint user accordingly	Workaround
7	When new message comes, the screen won't scroll down to bottom to display the latest message	When a new message arrives, the chat room automatically scrolls down to display the latest message	It stays where it is at even when new message arrives.	When a new message is retrieved from database listener, set the recyclerview's position to last.	Important
8	Search is only able to search the chatroom name by its full name	Search function displays the names of the chatroom using prefix	Search function can only search the chatroom name by its full name	Change the way of obtaining query for the chatroom info	Important
9	Feedback function does not check if user gives bug report before submitting	The user must give bug report before submit	The bug report field can be empty	Check if bug report is filled before submitting the feedback form	Workaround
10	Feedback function does not check if user gives feature suggestion before submitting	The user must give feature suggestion before submit	The feature suggestion field can be empty	Check if feature suggestion is filled before submitting the feedback form	Workaround
11	When entering a chat room, the chat history will be displayed twice.	The chat history displays normally	The chat history displays twice when entering a chat.	In chatActivity(), there are two functions on message retrieval, retrieveMessage() and receiveMessage(). retrieveMessage is a	Critical

				one-time databaseListener that pulls chat history from database. receiveMessage() listens to updates in real time. There could be duplicated retrieval from database that causes this problem.	
12	Image uploaded doesn't fit the frame of the user profile image	Image uploaded fits the whole frame of the user profile image	Image is cut off and doesn't fit the profile image frame properly	Use the fit() function to fit the image with picasso()	Workaround
13	Search will keep search history on result page	Start a new search will clear all search history on result page	All results of every search will be kept on result page	Clear list of search result query for every search	Important
14	User can't log out properly	Logout will clear all activity and lead user to login page.If user press back button, it will exit the app	Press back button after logout will lead to profile page	Add android clear task flag and firebase signout auth api	Workaround
15	When users change usernames or profile avatar, the old messages sent by users won't change.	All the messages sent by the users will be updated	Old messages keep the original username and avatar picture.Sometimes, the avatar may disappear	The message map stored in the database contains sender's username and avatar url and user_id. When creating the message view in ChatAdapter, username and avatar url link is directly retrieved from the message map.	Workaround
16	When changing	An error	Nothing displays	Using an else	Workaround

	password, if the old password is not entered correctly, no error message is showing up	message shows "Error. Password not updated"		statement to show error message if the authentication is not successful	
17	Favorite list doesn't update for unlikes	Enter chat room and unlike from profile page will update favorite list when return back	Favorite list is not updating properly after unliking chatroom	Add override function restart() to update the favorite list on UI side	Workaround
18	Sign up function does not notify user if the sign up fails	When sign up fails, there is a notification	There is no notification and the app just stay at sign up page (Invalid email format etc.)	Implement a notification informing user that sign up fails	Workaround
19	Change password activity doesn't check if the new password matches the confirm new password input	Prompt shows "Error. New passwords don't match" if the new password does not match the confirm new password input	No prompt given if the two passwords do not match, the password will be changed to the first input of new password	Check if the two passwords match before updating	Workaround
20	Change username does not check if the input length is exceed the limit(14 characters)	An error message : "Error. Chat ID too long" is displayed"	No prompt is given if the input is more than 14 characters and username is updated	Check to make sure the length of the input username is below 14 characters before update the username to firebase	Workaround
21	Change username does not check if the input contains invalid characters	An error message : "Error. Invalid chat ID" is displayed	No prompt is given if the input contains invalid characters (*&^%$#@ etc.)	Check if the username contains valid characters only before update the username to firebase	Workaround
22	Change	An error	No prompt is	Check if the	Workaround

	username does not check if the input contains spaces only	message : "Error. Display name cannot be empty" is displayed	given if the input contains spaces only	username contains characters other than spaces before update the username to firebase	
23	After adding the room to the user's favorite list, the number of likes in the chatroom information page is not updated	The number of likes in the chatroom information page reflects the number of likes correctly	The number of likes in the chatroom information will not update if a user added the room to the favorite list	Write a function to update the number of likes in firebase each time the user push the "heart" button	Workaround
24	The user is able to add another chat room to the favorite list even the user's favorite list is at the limit(10 rooms)	The user will not able to add another chat room if the favorite list already contains 10 chatroom	The user can add another chat room even the favorite list already contains 10 chatroom	Write a function to make sure the number of rooms in the favorite list is below the maximum each time the user push the "heart" button	Workaround
25	No error message shows up if the user tries to add another chat room to the favorite list even the user's favorite list is at the limit(10 rooms)	The error message "Exceed 10 favorite room limit, please delete one first" will display if the user's favorite list already contains 10 chat room	No prompt is given if the input contains spaces only	Write a function to prompt error message if the number of rooms in the favorite list is at the maximum but the user tries to add another room to favorite list	Workaround