**Part II –White-Box Testing Exercise**

**Code Analysis / White-box Testing**

**Bugs:**

* If null is passed as messages parameter, there will be a null pointer exception.
* **successfulMessages** is added to the **recipientmanager** when it is empty, which does not add any value (adding empty list). They should be added when not empty.
* The comments say that the messages are added to recipient but **recipientmanager** adds it to current user.
* The “if” condition in the **canReceiveMessage** does not look right. It checks if **currentUser** and recipient are same. Not sure if it is a right condition.

**Test cases that can be added to find out the bugs:**

* Passing null as the messages.
* Having **currentUser** and Recipient as different objects.
* Also checking (asserting) if the messages are added to recipient after calling the method.
* More test cases for all successful message and all failure messages can be added.

**Part III – Specification Review Exercise**

1. What are error or warning messages for each field validation?
2. Are there any Mandatory fields on Edit profile? If so, what are they? How will user understand which fields are mandatory? Is it by asterisk (\*)?
3. What is the max character limit in “about” section?
4. How many languages can a user/CSR add to profile (max)?
5. Are **Language**, **City**, **College** are predefined? Or does it take as is whatever user enters?
6. Why is user name field has dropdown? (Wireframes show it has dropdown)
7. How will CSR navigate to a different user? Is it by username or by name? If it is by Name (per wireframe) what if there are multiple users with same name?
8. Do we have client side error message validations and server side error message validations?
9. What happens if user enters numerical or alpha numerical or special characters in current city, home town?
10. Are there any placeholders for **About**, **College** and **Company** fields? If so, what are they?
11. What is the expected result when change password do not meet the requirement?
12. What are the password validations?
13. How to navigate to “Reset Password”?
14. Are special characters allowed in password? If not, what is expected result if user enters special characters?
15. What are the options available for Profile visibility in settings page?
16. Can user link multiple accounts in **Linked Account**?
17. What if user navigates to different page without saving? Will there be any warning message to remind them to save the changes?
18. What if user clicks on cancel button by mistake? Wil there be any warning message to remind user?
19. What if CSR editing on a profile and navigates to different profile without saving current profile? Will there be any warning message to ask them to save?
20. Will **Save Profile, Save Settings and Reset Password** buttons be enabled at all times? Even if no changes are made? (those buttons are enabled in the given wireframes)
21. What is the max size for photo upload? Are there any validations?
22. In the Reset password wireframe, why there is no Old password field? What if user forgets to logout from a public computer?
23. Is there any inactivity timeout?
24. What’s the expected result when user clicks on “Learn More” on Edit profile picture?
25. Why is there a Edit profile link on edit profile page (Top right beside Settings)?

5 questions to ask in the last moment or time crunch:

1. Are there any Mandatory fields on Edit profile? If so, what are they? How will user understand which fields are mandatory?
2. What are error or warning messages for each field validation?
3. Do we have client side error message validations and server side error message validations?
4. What are the password validations? What are expected results when Passwords requirements are not met?
5. Per Reset password wireframe, there is no Old password field. Does user not required to enter it while changing password? What if user forgets to logout from a public computer and someone can change password easily?