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**Peer Review**

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Project for Testing

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Project B, a customer maintenance app using an xml file.

Upon opening the program-

does a welcome screen and main menu appear: containing options to list  all customers, add a customer, update a customer, delete a customer, help to list menu again, and exit?

**Yes, all of the command menu appeared on start up following the welcome message.**

List customers-

does it list all customers?

is each customer on its own line with space between email, first name and last name?

**Yes, the list command lists all of the customers with proper spacing and formatting.**

Add customer-

does it allow you to enter email, first name and last name?

**Enter a command: add**

**My first error:**

**Enter customer email: jo@lo.com**

**Error! Incorrect length of email type. Try again.**

**My second error:**

**Enter customer email: i**

**Exception in thread "main" java.lang.StringIndexOutOfBoundsException: String index out of range: -1**

**My third error:**

**Enter customer email: VerrrryLong@email.com**

**Error! Incorrect length of email type. Try again.**

**Enter customer email:**

**I cannot get past the email entry. Therefore, I have to say no, it does not let me enter email, first name, and last name.**

also does it prevent empty fields?

**I tried white spaces and hitting the " enter " key. It just adds spaces when I hit the space bar, and jumps down to the next line when I hit the enter key. Only way to get out is to enter a character and I chose a letter character to enter and it threw the same exception when I entered ' i '.**

confirmation message is descriptive enough?

**I was unable to proceed with the data entry. The error message was descriptive but I don't know how long the length of the email is expected to be for the error message.**

**Error! Incorrect length of email type. Try again.**

use list and make sure your customer was add, was it?

**Not applicable because I was unable to enter the required data fields.**

Update customer-

        does it ask for an email address to add customer?

**Yes, it does fine with the correct data.**

**I got an error when debugging with wrong data:**

**Enter customer email to update: asdf**

**Exception in thread "main" java.lang.StringIndexOutOfBoundsException: String index out of range: -1**

        does it prompt for first or last name to update?

**Yes, it prompts for first name, last name and worked fine with intended data entries.**

**I tried to enter invalid data. I got the error message and it said to try again, but put me back at the command menu. I have to enter the email all over again just to try again. I don't know if this was intended. I may suggest returning back to the update option instead of the command menu after the error message. Maybe add a (C - cancel ) for the user to escape back to the main menu. This should allow the user freedom to continue or go back to the main menu. In my case, I didn't want to be returned to the main menu.**

**Update First or Last name?**

**F -first name**

**L -last name**

**Update option: asdf**

**Only first or last name is allowed for update. Try again.**

**Enter a command: o**

        confirmation message is descriptive enough?

**I don't think I received any confirmation message:**

**Enter customer email to update: a@a.com**

**Update First or Last name?**

**F -first name**

**L -last name**

**Update option: f**

**New first name: Sally**

**Enter a command: list**

**CUSTOMER LIST**

**frank44@hotmail.com Frank Jones**

**sara\_smith@yahoo.com Sarah Smith**

**a@a.com Sally aa**

        use list and make sure your customer was updated, was it?

**Yes it was updated on the list. I also exited the program so that I can run it again to check that the information was still updated. Very Good !**

Delete customer-

does it ask for email to delete a customer?

**Yes, I was prompted for an email. I entered a valid email and it was deleted.  
It works great even with invalid data. I got a no customer match error. Very Good !**

confirmation message is descriptive enough?

**Yes, the confirmation was descriptive enough.**

**a@a.com has been deleted.**

use list and make sure your customer was deleted, was it?

**Yes, the list command showed that the customer has been deleted from the list. I also closed the program to make sure that the data was saved to the file when I reopened it. Very good !**

Menu-

does the menu relist the main menu options?

**Yes, the help menu displays properly.**

is this descriptive enough?

**Yes, this menu is descriptive to ensure that the user understands the functions of every command.**

Exit-

does the program display a “Bye.” And close?

**Yes, the exit command displays a "Bye." message and closes properly.**

Program-

        would you change anything?

**After debugging, I revisited the add feature. I tried the same email that I deleted earlier:**

**Enter a command: add**

**Enter customer email: a@a.com**

**Enter customer first name: sally**

**Enter customer last name: lady**

**sally lady has been added.**

**It did work this time. I don't know why or how. I still get the same errors when I try different emails. I would try to debug the add feature because I am still getting errors. The error says that the email is an incorrect length. I am unsure what that means. Is there a specific length of characters? Maybe including the length that the email needs to be can be more helpful for the user to determine a valid email entry.**

**This error actually took me back to try and reenter an email rather than bring me to the command prompt and that is good:**

**Enter customer email: asdf@adf.asdf**

**Error! Incorrect length of email type. Try again.**

**Enter customer email:**

**This is what I was referring to with the update feature. I would change the update feature so that the user can try the Update option again rather than return to the command prompt after the error message:**

**Update option: asdf**

**Only first or last name is allowed for update. Try again.**

**Enter a command: o**

        if so, why do you think it should be changed?

**For some reason I am having trouble with the add feature because it is not allowing be to enter emails except for getting lucky with that one for some reason. The update feature returns the user to the command menu after an error message. It would be more user friendly if the user was returned and allowed to retry the entry that caused the error message.**

**I hope I was able to help you out. Other than that, I think the program runs good and you did a great job.**