# CST8130 – Data Structures

# Assignment <#> – Test Plan

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<add more tables if you have more features to test. Add more rows if you have more test cases>

## Menu Processing

| Test# | Description of Test | Input Values | Expected Output | Actual Output | Status (Pass/Fail) |
| --- | --- | --- | --- | --- | --- |
|  | Missing emails.txt file | N/A | Message: “Error: Important emails.txt file was not found. Please enter the absolute path of the file manually” | Message: “Error: Important emails.txt file was not found. Please enter the absolute path of the file manually” | pass |
|  | Extra lines placed after the final line in emails.txt | 6 | Error: NoSuchElementException | Error: NoSuchElementException | fail |
|  | Enter 0 in menu | 0 | Message: “Your option was outside of the available range. Please try again.” | Message: “Your option was outside of the available range. Please try again.” | pass |
|  | Enter 8 in menu | 8 | Message: “Your option was outside of the available range. Please try again.” | Message: “Your option was outside of the available range. Please try again.” | pass |
|  | Enter string in menu | ‘option1’ | Message: “Input mismatch exception. Please try again.” | Message: “Input mismatch exception. Please try again.” | pass |
|  | Enter 1,2,4 or 5 before any emailLists exist | 2 | Message: “The email list has not been populated” | Message: “The email list has not been populated” | pass |
|  | Enter a new email list, then delete it | 3, then 2 | Message: “Enter the index of the address youd like to delete. 1 newly\_added\_list” | Message: “Enter the index of the address you’d like to delete. 1” | fail |
|  | Enter 6 to add from file, then add a new email list from user, then enter 6 again to see if anything gets overwritten | 6, 3, 6 (then 4 to print all) | All email lists in reverse alphabetical order | All lists, not in reverse alphabetical order | fail |
|  | Enter the same email list name twice | 3, ‘Social’, 3, ‘Social’ | Message: “A list already exists with this name” | Message: “A list already exists with this name” | pass |
|  | Attempt to delete all emails in a particular email list | 2, ‘Work’, 1 (then 4 to see output) | All email lists except work | All email lists including work | fail |
|  | Try to delete a list that doesnt exist | 6, 2, ‘wfwef’ | Message: “Could not find list wfwef” | Message: “Could not find list wfwef” | pass |
|  | Try to add an email to a list that doesnt exist | 1, ‘thrrt’ | Message: “Could not find list ‘thrrt’” | Message: “Could not find list ‘thrrt’” | pass |
|  | Try to display all emails of a list that doesnt exist | 5, ‘gthr’ | Message “Could not find list ‘gthr’” | Message “Could not find list ‘gthr’” | pass |
|  | Print out all emails of an empty email list | 3, ‘New List’ | Message: “The email list you entered is empty” | Message: “The email list you entered is empty” | pass |
|  | Type a value which is out of range when selecting an email to delete | 2, ‘Work’, 0 | Message: “Your option was outside the available range. Please try again” | Message: “Your option was outside the available range. Please try again” | pass |
|  | Enter string when selecting email to delete | 2, ‘Family’, ‘htyr’ | Message: “Input mismatch exception. Please try again” | Message: “Input mismatch exception. Please try again” | pass |
|  | Try to add an email to a list that already exists | 1, ‘Family’, ‘brother@rogers.com’, (then 4 to print all) | Message: “This email already exists” | Message: “This email already exists”. Found that the prompt to re-enter email stopped accepting user input though. | fail |
|  | Try deleting an email list and then adding an item to it. | 6, 2, ‘Work’, 1, 1, Work, ‘boss@gmail.com’, (then 4 to print) | No errors. List is put back in order | No errors. List is put back in order | pass |