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Maintain customer data (text or XML file)

CheckList :

Clear Button - This will clear all the data entry fields. Can be tested by adding text in them and clicking the clear button.

Test List Button - I used a table to select and list the customer list that uses text document to store the data. I decided to use xml to add a default list to the customer list of 20 customers. This button adds 20 customers but not duplicates (only if they do not exist already). This can be used to easily debug the application.

- click the test list button and ten customers should be added to the customer list

- click the test list button again and there should not be any duplicates

- delete a customer and click test list again so that the same customer is replaced

List Button- This button should update the customers list after a search is used to refresh the list back to normal. The list updates automatically otherwise for any other changes.

- can clear the list with delete for an empty list to check for an error that says empty list

- can click test list to load the list with 20 fake accounts, click search, then click list to bring the full customer list back.

Help Button - This displays a message box that explains what functions the buttons have.

- click help button and a message should display with the help menu

Add Button - This button requires all three fields to be entered and they must be valid fields. The first and last name fields can only be letters. The email field must be in the format.

- test required blank data entry fields

- test name fields for only letters

- test email for valid email format ( text@text.text)

Delete Button - The delete button can be tested by selecting a customer from the customer list and then clicking delete to remove it.

- select a customer from the list and click delete

- test a blank list by clicking delete with no selection

Update Button - The update button requires either the first name, last name, or both data entry fields. Select the customer from the customer list to update and enter the data in the fields then select update.

Can leave them empty, then try one, then the other, and finally both. Just like the delete button, this also requires that a customer be selected from the customer list.

-test a blank customer list and click update just like the delete button

-test blank data fields, click clear, then click update

- test two blank data fields last name and email, but enter first name and click update

- test two blank data fields first name and email, but enter last name and click update

- test two blank data fields first name and last name, but enter email and click update

- test all fields with data entered and click update

Sort Button - This button uses radio buttons to sort by first name, last name, or email. To test select each radio button and click the sort button. The customer list should update in ascending order according to the radio button selected.

Search Button - This button searches for customers from the customers list by name.

- click clear, and then click search and the customers list should clear.

- enter data for first name and then click search

- enter data for last name and then click search

- enter data for both last name and first name then click search

Exit Button - This will retain any changes made to the application. This will close the application and when you restart the application, it should resume with the same data.

- click exit and close the application to make sure it closes the application

- reopen the application and make sure that all customer data was saved properly