**Before You Can Test the Application**

* Ensure that you have MYSQL Workbench 6.3 loaded on your computer.
* Change DBUtil class to connect to your local SQL instance
* Create customerDB database using the CreateCustomerDB.sql file located in the SobierCapstone folder within the attached zip file.
  + Change the password and the username in DBUtil to the password and username used on your local database system.

**How to Test the Application**

* Test that the application opens and is displayed correctly. It should display at the center of your screen and should be only 5 buttons, keeping the application simple and concise.
  + Verify everything is appearing correctly and that the Look and Feel is correctly showing. There should be 5 buttons called: LIST, ADD, DELETE, HELP, and EXIT.
* Test the “LIST” button
  + Make note if all values from the CreateCustomerDB.sql file are now in the table that appears.
    - Also note which Customer ID numbers are taken and which are not.
    - Exit the table by clicking the ‘x’ in the upper right corner.
* Test the “ADD” button
  + Did the button open a frame that has text fields for entering the customer ID, First Name, Last Name, and Email? **Y/N**
  + Click “ADD” button in the new frame without any data entered into the text fields. Does an error appear when there is a blank field? **Y/N**
  + Try adding data when there is data in all fields except one. Did the error appear on the following?
    - No Customer ID entered? **Y/N**
    - No First Name entered? **Y/N**
    - No Last Name entered? **Y/N**
    - No email address entered? **Y/N**
  + Try putting a word or letters in the Customer ID field and click “ADD”. Does an error appear? **Y/N**
  + Do the same with the other fields by entering a number in the First Name and Last Name fields, and by entering an invalid syntax for an email address in the email field. Did an error throw for all? **Y/N**
  + Add data for new customer that is correct in all fields. Did the fields empty after clicking “ADD” in the dialog window? **Y/N**
  + Click “CANCEL” to exit the Add Customer dialog. Did the dialog close but the main app buttons remain? **Y/N**
  + Click on “LIST” and review the table. Did the customer data you entered correctly post into the table? **Y/N**
* Test “Delete” button
  + Test by entering the email address of the customer that you wish to delete. Did a warning dialog open asking if you were sure you wanted to delete the customer with the email address you entered from the database? **Y/N**
    - Did the delete text field empty after clicking “DELETE” and then clicking “YES” in the warning dialog? **Y/N**
    - Was the correct customer data removed from the table? Click on “LIST” in the main application to check the table to answer this question. **Y/N**
* Test “Help” button
  + Click the “HELP” button. Does a text area appear in a dialog that gives information about each one of the main application buttons? **Y/N**
  + Does the window close when “OK” is clicked?
* Test “EXIT” button
  + Does the main application and any remaining open windows all close when this is clicked? **Y/N**

**Overall Impression:**

* How do you feel the application design contributes/distracts from the task it is meant to perform?
* Does everything work in the application as it should?
* Is there anything you feel could be done better in this application?

***Thank you for a great Semester and for approaching the material so that we could better understand it. You truly made me understand Java for the first time!***