COMP 3601 Assignment 1

The assignment will continue on from Lab 5. You’ll be adding data persistence and a graphical user interface for the Books app.

## Requirements

The follow menu must be implemented:

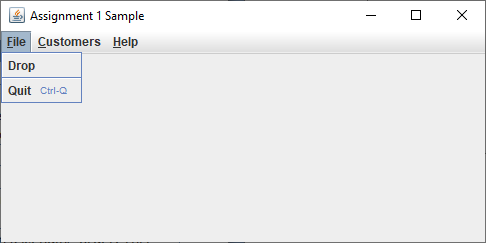
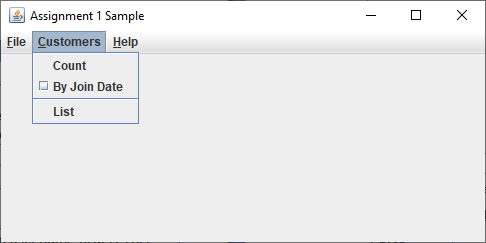
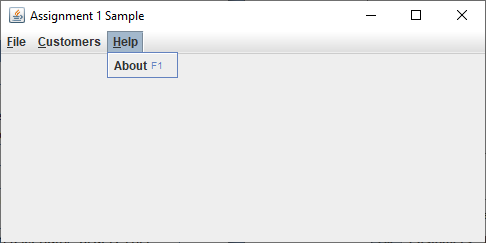
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| --- | --- | --- | --- |
| **Name** | **Type** | **Notes** | |
| **File** | JMenu | Contains the following items… |  |
| **Drop** | JMenuItem | Open a simple message dialog asking the user if they want to delete all Book2 input data. If yes, then drop all the tables and exit Books2. When Books2 is restarted, it will reload the data. |  |
| **Quit** | JMenuItem | Quits the application |  |
| **Customers** | JMenu | Contains the following items… |  |
| **Count** | JMenuItem | Opens a simple message dialog showing the total customer count |  |
| **By Join Date** | JCheckBox-MenuItem | If checked, sorts the list by join date in ascending order. This option takes no action, but is used in conjunction with ‘List’ option. |  |
| **List** | JMenuItem | Opens a dialog which contains a list of the customers. If one of the list items is selected, the Customer details dialog is displayed. |  |
| **Help** | JMenu | Contains the following item… |  |
| **About** | JMenuItem | Displays an information dialog about the application |  |

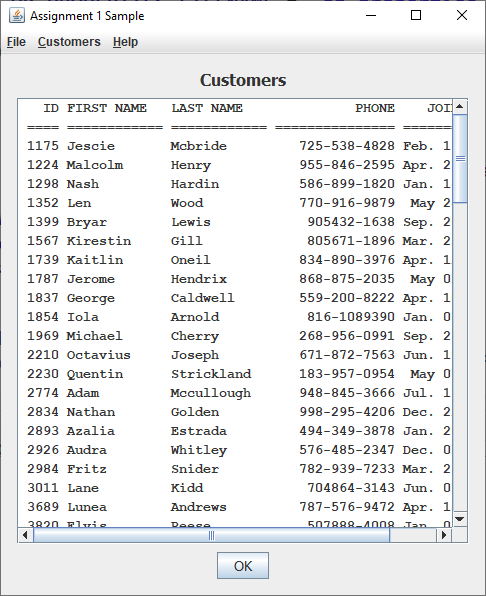
The ‘About’ item must be directly accessible via an accelerator key, F1. By pressing F1, the About dialog box will be displayed.

As stated above, the Customer > List menu item will open a dialog that contains a list filled with the customers. If a row in the list is clicked then a new dialog will open with the details for that customer. The user can change any of the fields except the ID and update the database if ‘OK’ is pressed. If ‘Cancel’ is pressed, the changes aren’t saved. Either ‘OK’ or ‘Cancel will close the dialog. **If any changes are saved to the database and the Books application is exited, and then restarted, the user will be able to navigate to the customer and see that the values have been updated.**

From the requirements listed above, you can see that only create, read, and update functionality has been used from the DAO. Although create is implemented, you don’t need to create any new records over and above what already exists in the text data files.

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