Christian Dumadag

Edel Dominguez

Zeng Bing Li

**Midterm Project**

***LibraryData.cs***

This C# file is the back-end component of the project. This file generates the .dll file that the front-end web page will use to display our data. It contains two classes that will access the database and retrieve the stored information for “Books” and “Customers”. The first class “LibBooks” contains the method GetBooks() which accesses the library MySQL Database. We then give it a command to execute with the MySqlDataReader "SELECT book\_title, book\_author, book\_ID FROM library.books;". We store this data inside a List and then return the results. We later use this data in our front-end code that displays the books, authors, and book IDs in a table.

Similar can be said about the second class “LibCustomers” which does the exact same thing except we had to change the MySQL command to select from the customers table and read the customers names and IDs instead. We used the following command: "SELECT customer\_name, customer\_ID FROM library.customer”. We also display this data in a table in our web application project.

***MidtermLibraryProject (WebPage.aspx)***

This is the front-end portion of the project that takes in the LibraryDatabase.dll that is generated from LibraryData.cs as a reference. We then created two tables that take in the Books and Customers data source respectively. These tables will then use the methods GetBooks() and GetCustomers() that are in the back-end file.