## Narrative Description

The user can interact with the database management system through a user interface which will allow him or her to easily manage data. In order to do so, the user must first login into the database for authentication reasons in order to make sure unauthorized users cannot access it. After login into the database, the user will be greeted with a home page which includes a calendar with notifications about upcoming events. From there, if the user wants more details about a particular upcoming event, he or she simply has to click on the “View Details” button which will direct him or her to the event UI screen to interact with the event table from the database. Furthermore, there are tabs in the user interface representing the different tables within the database in which the user can click and interact with in order to add, delete, and modify data depending on which category needs to be touched on.

Whenever the user wants to manage data involving employees, he or she simply has to click on the “Employees” tab within the UI. This will allow the user to interact with the employee table within the database. The user has the option to add, delete, and edit employee information. To do so the user has to click on the corresponding buttons. Furthermore, the user can specifically search for an employee within the database by simply clicking on the “Find” button. If the user wants to view detailed information about an employee as a simple view, he or she simply has to click on the “View” button to display detailed information about the selected employee. Within this view, the user can print out the employee information if desired. On the other hand, if the user wants to view the employees’ information in a table form, he or she has to click on the “Table view” button.

Whenever the user wants to manage data concerning their customers and suppliers, he or she has to click on the “Contacts” tab within the UI. This will allow the user to interact with the supplier and the customer table within the database. The operations available for the user to manage data for their contacts are the same as when he or she manages data for employees. Therefore the user can add, delete, and edit suppliers or customer’s information. The user can as well search for a specific contact within the database, and he or she has viewing options for their data. In order to accomplish that, the user has to click on the corresponding buttons for these operations. Of course, if desired, the user can print out their customers/suppliers information by clicking on the “print” button.

Whenever the user wants to manage data for their events, he or she has to click on the “Events” tab within the UI in order to be able to interact with the event and its related tables within the database. All the operations described for the data management of the employees and the contacts are the exact same operations applied for the data management of events; adding, deleting, editing, searching, viewing options of data, and printing. Clicking on the corresponding buttons will enable the user to perform these operations.

Whenever the user wants to manage data for the inventory, he or she has to click on the “Inventory” tab within the UI. The user will be able to interact with the inventory and its related tables within the database. All operations mentioned previously for the data management of other tables also applies for the data management of the inventory.

Whenever the user wants to view invoices, he or she has to click on the “Billing” tabs within the UI to view all of their invoices in a table view. The user will be interacting with the invoice and invoiceDetails tables within the database. To view more detailed information about the invoice, the user can click on the “View Bill” button.

Whenever the user wants to print something from the database, he or she has the options to either print it directly from the database or to save the wanted information to print within a file for convenience.

If the user wants to exit the database management system, he or she can accomplish it so by simply clicking on the “x” of the user interface window.