

Programming Assignment 3

In class, you were given several examples of Swing application based on the **MVC** design that connects to a MySQL database. Please extend the Pizza application that you created in the first programming assignment as explained in the following specifications:

1. The main screen of the application is an empty frame with only menu bar that includes one menu “Order” that consists of two menu items: “New Order” and “View Orders” as shown in **Figures 1 and 2**.
2. When clicking on “New Order” menu item, a new frame is shown as depicted in **Figure 3**. The newOrder frame is similar to what you created in Assignment #1 but should be modified to save the order with its details to the database (see **Figure 4**). Use the same cost calculations used in Assignment #1.
3. When clicking on “View Orders” menu item, a new frame is shown as appear in **Figure 5**. The viewOrder frame enables the user to search for the orders related to a specific customer by inserting the customer’s name and then click the search button. The search result should appear in the table below the search button as shown in **Figure 6**.
4. The “back to menu” button, hide the viewOrder frame to allow the user to choose again from the menu.
5. The application **MUST** be implemented using the MVC design pattern.

Note: The application described connects to a mySQL database consisting of two tables: orders, order_details. These two tables can be created using the provided SQL file (database.sql). Therefore, you need to execute this SQL file before developing your application.

The expected design of the application

