**CSD 3103 Test 2**

**(Required Time: 150 Minutes)**

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For this test, you are required to develop a web-application for customers of a restaurant to order food. An order is identified with the following properties:

Order ID

Customer Name (First Name and Last Name)

Quantity

Price (unit)

Food Ordered

Date/Time of the order

**Services:**

1. Store orders in a database on server side. Use MongoDB for database.
2. Display a complete list of all orders. The orders should appear in a <table> in client with the following columns: Order ID, Customer Name, Total Price.

**Note: The server is supposed to perform the math work when calculating the price. For instance, if the price of an item is $20 and 3 of these items has been ordered, the total amount will be 3\*$20 = $60.**

1. **Search for an order:** When entering an order id, the server should return all the details corresponding to that order id. If not found, the server should generate the message “The order ID was not found in database.”
2. **Modify an existing order:** The server should be able to modify an existing order. This includes canceling an existing order, or making any changes to the order. To do this, place a button “Change This Order” right beside of each order in the order list.
3. **All orders for a specific customer:** When entering the name of a customer, the system should list all orders that belong to that customer.
4. **All orders of a specific date:** A server should be able to request the complete list of all orders for a specific date. In this case, you will need to display all orders in a table with the following columns: Order ID, Customer Name, Total Price.

**User Interface (html):** You are requested to develop the following user interfaces

**Register:** This is used when an order is going to be registered (when a customer needs to order)

**Display Orders:** A webpage that consists of all orders on the database.

**Search:** A webpage that reads an input for order\_id and sends back the details of the order to the client in a <table> tag

**Customer Orders:** A webpage that takes in the first name and last name of a customer and lists the details of orders of that client using <table> tag. The last row of this table should contain the sum of payment for all orders.

**Requirements:**

No duplication of the order id should be stored in the database. Otherwise, the server will respond “Order ID already exists”

**To submit:**

Follow these steps to submit your work successfully:

1. Create a folder and name it as firstName\_lastName\_Test\_Two
2. Copy all files that you developed in this folder
3. Write down your information on top of this document and place it in the folder
4. Zip this folder and submit it through Moodle before the deadline