PA 2 Grocery Store

In this assignment, Flask in integration with JavaScript, HTML for front end and MySQL for backend are used to create the following locally hosted website.
A customer can add his name and continue to query for products through the drop down box given. This is done so that the customer can easily identify what products are available in the store and how they are exactly spelled. Once the customer decides on a product they're interested, the backend database is queried and it's relevant details are fetched and the price is auto filled, according to the quantity the total amount is calculated(this calculation is done in JavaScript). A customer can further add products to their cart by clicking the button "Add More". Their grand total is calculated in the last total section.

After adding all the items, customer can choose to either remove some of the items from the cart or proceed to "Place Order". By clicking Place Order, the details of the customer and products they ordered will be recorded in the backend database.

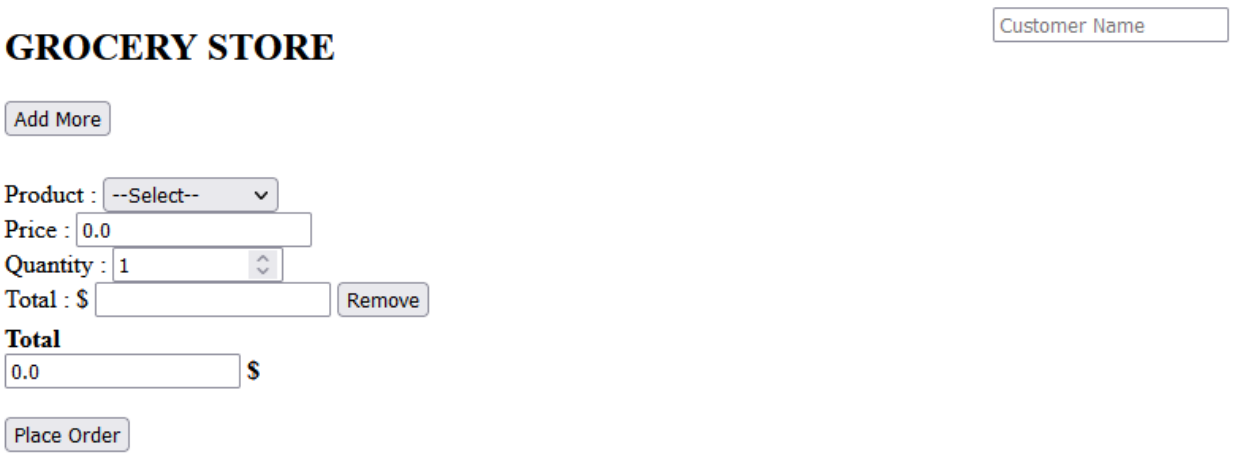
If the customer places an order without choosing any products from the drop down, nothing will be added to the database, as per the coordination protocol, since it is rejected from the server side.

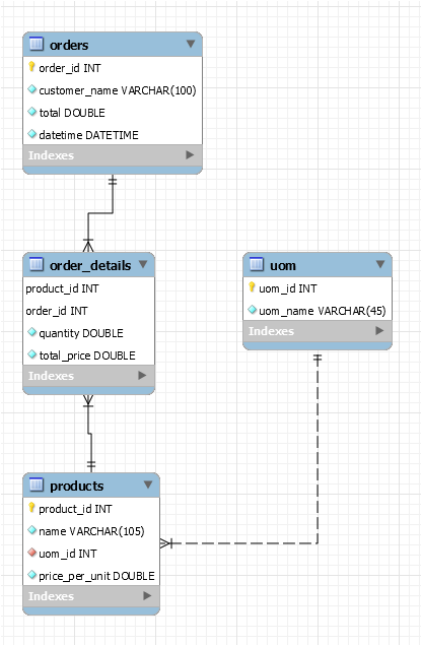
A press of a button will invoke HTML, which is run by JavaScript, that is connected to backend MySQL workbench via Python Flask which has the server.

Steps to run:

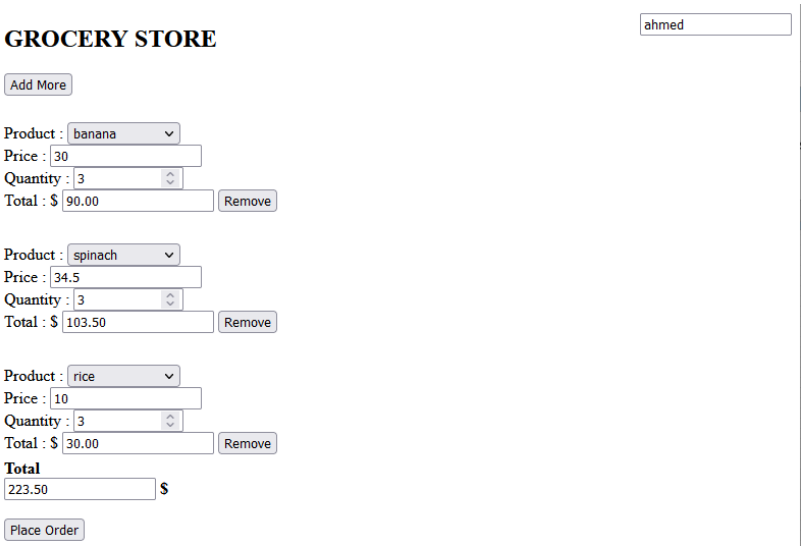
1. Run sql_connection.py with appropriate information.
2. Run server.py
3. Run order.html

Following is the image of the website:

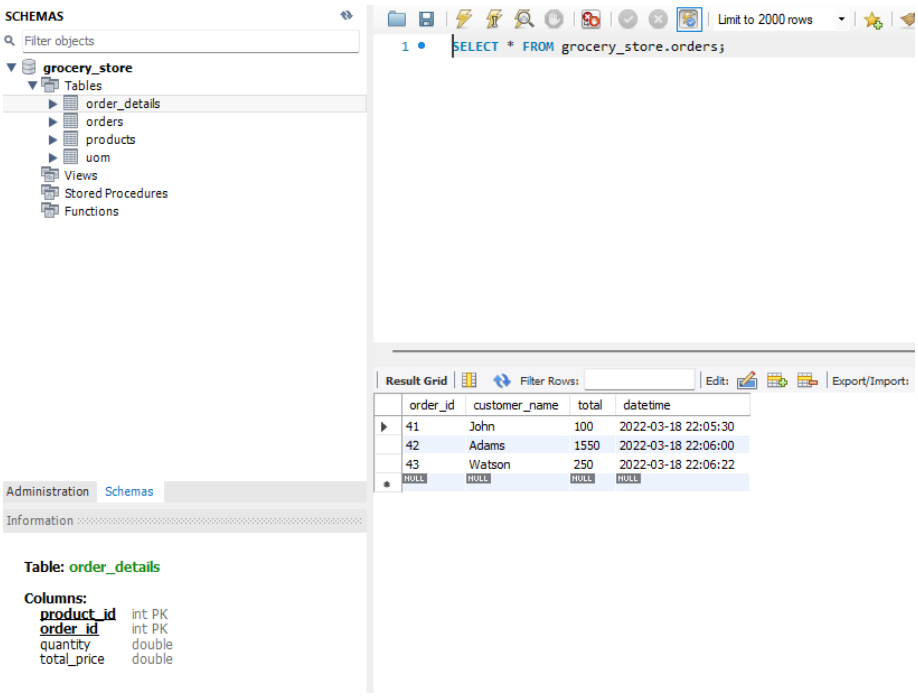




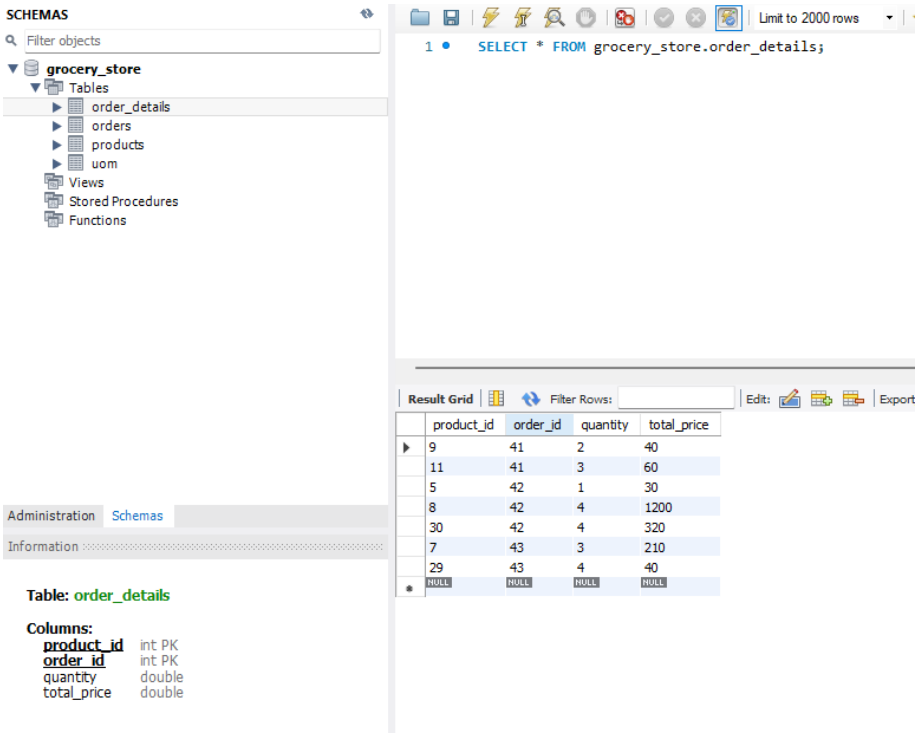
EER Diagram



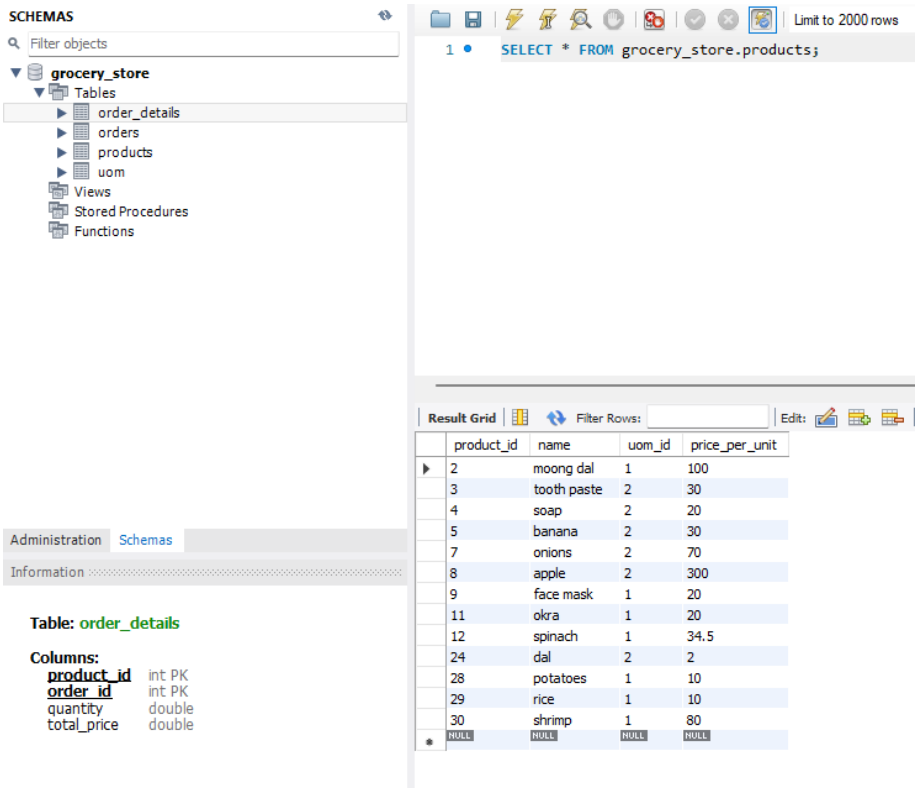
Adding items to cart



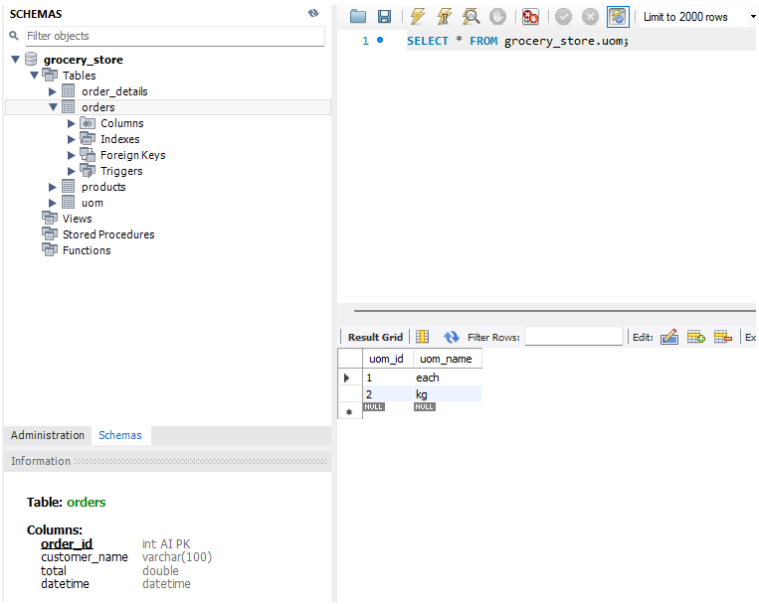
3 different customers whose order id's are different made total purchase of and the timestamp



Products and their quantity bought by the aforementioned customers



All the products available and their price per unit



Not all items can be purchased in kg or individually