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Database Management Systems

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Final Project: Proposal for final project with complete list of the intended functionalities

Description: Utilizing a web browser, NodeJS Web server, and MYSQL DB server our group has decided to create an online ice cream shop! The shop has a variety of flavors, toppings, and treats. Customers are able to look at a menu, place an order, and have it delivered right to their door.

Functionalities:

1. Customers will create an account which is utilized to log into the store
2. View menu of ice cream flavors, toppings, and treats and add items they want to buy to the cart
3. Place an order to be delivered to their doorstep
4. Admins are able to manage inventory to update product availabilities and how much of a certain product is in stock

Operations:

- Select = obtain customer information, order details, product details
- Insert into = add new customer accounts, orders, and products in the database
- Update = modify existing order information, product quantities, and customer details
- Delete = remove outdated or canceled orders, customer accounts, and products from the database.

Conclusion: The goal of this application is to make ordering ice cream easier and accessible for all people. Customers put in their order and in a few clicks are able to have ice cream delivered to them at their door.