**CANCODE SQL/ETL CLASS SPRING 2022 FINAL PROJECT**

In this project I created a database for a bakery using mock data. First, I changed the data type of Date\_manufactured from datetime to date. I also updated the Price column with consistent prices for each item on the menu. I then created multiple tables. The following are the tables with their respective columns:

1. Products Table: Product\_id, Product\_name, Price, Date\_manufactured, Quantity\_in\_stock
2. Employee Table: Employee\_Name, Employee\_ID, Employee\_Phone, Employee\_email
3. Customer Table: Customer\_FirstName, Customer\_LastName, Customer\_email
4. Orders Table: Order\_id, Order\_date, Product\_id, Product\_name, Date\_manufactured, Price, Quantity\_Ordered, Customer\_FirstName, Customer\_LastName

I created a stored procedure ‘Remove\_orders\_before\_date\_manufactured’ to remove entries with Order\_date before Date\_manufactured . The view ‘vLowStock’ returns a table that lists all the products with quantities less than or equal to 4. I created a function ‘CustomerOrder ‘to bring up order details from the Order table by looking up a customer's last name.

I made an ETL package on Visual Studio 2019 that takes in data from Bakery.csv, adds a new column of ‘Order\_Total’ that multiplies price with quantity ordered and then loads it to the Bakery database.

Finally, there is a cleanup script for a user of this database to erase everything they downloaded to run this project. The file Bakery.bak is a backup of the database that restores the database with all its tables and other components incase anything ever gets lost, etc.