**Nature Stand Fruit and Vegies Store SQL Database**

**Midterm Group Project**

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**Lake Washington Institute of Technology**

**CSD138 7886 - Spring 2024 - SQL**

**Professor Dave Blodgett**

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**Objective**

Our objective in this project was to use the knowledge acquired in the classroom regarding the creation of a relational database to manage the sales operations of a fruit and vegetable sales company. The database includes entities such as customers, orders, products, and order items. The main goal is to create an efficient and scalable data model that supports the primary functionalities of the platform, is easy to understand and read, and meets the company's data management needs.

**Team Members and Task Allocation**

Thiago Oliviera (Project Manager) – Identification of the purpose of the database, data research, organization of tables, development of the ERD and relationships between it, defining the Primary Keys and Foreign Keys. Creation of the script code for creating the database. Organization of final documentation.

Liam Shiley - Identification of the purpose, data research, organization of tables, development of the ERD and relationships between it, defining the primary keys and foreign keys. Creation of the script code to create the database and implementation of ALTER TABLE statements to implement the keys in the script.

**Business Description**

Our database is based on an e-commerce platform where customers can place orders for various products in the fruit and vegetable sector. The system tracks customer information, order details, product inventory, and the association between orders and products through order items. This database helps in managing sales transactions, inventory levels, and customer relationships.

**Data Sources:**

• Product data sourced from https://catalog.data.gov/dataset/fruit-and-vegetable-prices

• Customer data was generated using Python and JavaScript functions to create random data, ensuring that no real sensitive information from actual individuals is used. This includes generating random names, email addresses, and addresses, as well as other personal information stored in our database.