

Backend Software Development  
Final Project Proposal

**Project Participants:**

Kevin Bladow

**Title:**

Order Tracking Application

**Executive Summary:**

This application records customer orders that contain a list of items and stores the orders in a database. Each customer order is unique, but each customer can have multiple orders with different items. The customers have a unique ID and each order has a unique ID. All items have unique IDs.

**Initial Features:**

**Create a bulleted list of Initial Features.**

- Create and retrieve Customer and display Customer records by Customer ID
- Enter order information for Customer order.
- Display orders by customer and by order due date
- Display all available items for order \* maybe stretch
- Refer to attached ERD for schema

**API Endpoints**

- Create (POST) new customer
- Create (POST) new customer order
- Modify (PUT) customer order
- Delete (DELETE) customer order
- List (GET) all customer orders by customer ID
- List (GET) order items by order ID
- Create (POST) new items to available items

**Stretch Goals (to be completed if time allows, or after graduation):**

- List (GET) Items ordered by Item ID [Stretch Goal]
- List (GET) single customer order by customer ID and order ID [Stretch Goal]
- Modify to add order dates, pickup dates and expire dates [Stretch Goal]

# Order Tracking ERD

