

Backend Software Development
Final Project Description and Functionality

Project Participants:

Kevin Bladow

Title:

Order Ticket Tracking Application

Executive Summary:

This application records customer order tickets, hereafter referred to as “ticket”, that contains a list of items and stores the tickets in a database. Each customer ticket is unique, but each customer can have multiple tickets with different items. The customers have a unique ID and each ticket has a unique ID. All items have unique IDs.

Application Features:

- Create and retrieve Customer and display Customer records by Customer ID
- Enter ticket information for Customer Ticket.
- Enter items to add to the Customer Ticket
- Display Tickets by Customer and by Ticket date
- Refer to attached ERD for schema

API Endpoints

- Create (POST) new customer
- Modify (PUT) customer information by customer ID*
- Create (POST) new customer ticket
- List (GET) all customer tickets by customer ID*
- List (GET) ticket items by ticket ID
- Modify (PUT) customer ticket by ticket ID
- Create (POST) new items to item table*
- Delete (DELETE) customer ticket
- Create (POST) item to item_ticket join table

Video Submittal Test Prompts

- Create new customer
- Create new customer ticket by customer ID
- Add item to item table
- List customer tickets by customer ID
- List ticket items by ticket ID
- Add new item to customer ticket by ticket ID and item ID
- Modify customer ticket by ticket ID
- Delete existing customer ticket by ticket ID

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

- List (GET) Items ordered by Item ID
- Modify (PUT) customer information by customer ID - *completed*
- List (GET) single customer order by customer ID - *completed*
- Modify to add ticket dates, pickup dates and expire dates
- Add customer first and last name, city state and zip
- Display all available items for ticket
- Add JUnit Testing