Rest API Requirements

# Introduction

Falcon Amazon is a RESTful API designed for a testing clone of Amazon. This document outlines the requirements and endpoints for the API, which will be used to handle data for the Customers, Products, Orders, and OrderItems tables.

## Unknowns

This API will be created using ASP.net in c# and will connect to a SQL Server 2019 database. There are no requirements, as of right now, that dictate how the security of the data nad the API requests should be handled.

# Endpoints

## Customers Table

* POST /customers: Create a new customer account
* GET /customers/{id}: Retrieve an existing customer account
* PUT /customers/{id}: Update an existing customer account
* DELETE /customers/{id}: Delete an existing customer account

## Products Table

* GET /products: Retrieve a list of all products
* GET /products/{id}: Retrieve a specific product by ID
* POST /products: Create a new product
* PUT /products/{id}: Update an existing product
* DELETE /products/{id}: Delete an existing product

## Orders Table

* GET /orders: Retrieve a list of all orders
* GET /orders/{id}: Retrieve a specific order by ID
* POST /orders: Create a new order
* PUT /orders/{id}: Update an existing order
* DELETE /orders/{id}: Delete an existing order

## OrderItems Table

* GET /orders/{id}/order\_items: Retrieve a list of all order items for a specific order
* GET /order\_items/{id}: Retrieve a specific order item by ID
* POST /orders/{id}/order\_items: Add a new order item to an existing order
* PUT /order\_items/{id}: Update an existing order item
* DELETE /order\_items/{id}: Remove an existing order item from an order