

REST, Swagger/OpenAPI, and GraphQL — Customer-Focused Guide

Overview

This document mirrors the earlier implementation but replaces Item with Customer everywhere. Includes: REST endpoints, OpenAPI schema, GraphQL schema, and Postman examples.

REST (Customer)

REST Endpoints (Customer)

GET /customers -> list (auth required, skip/limit)

POST /customers -> create (201)

GET /customers/{id} -> fetch single (404 if not found)

PUT /customers/{id} -> replace with If-Match ETag (412 on mismatch)

DELETE /customers/{id} -> remove (204)

OpenAPI

OpenAPI Notes

- JWT Bearer authentication via securitySchemes.bearerAuth
- CustomerIn and Customer schemas, ETag field for concurrency
- Use Spectral for linting and openapi-generator for SDKs

GraphQL (Customer)

GraphQL (Concept)

type Customer { id: ID!, first_name: String!, last_name: String!, email: String!, phone: String }

input CustomerIn { first_name: String!, last_name: String!, email: String!, phone: String }

type Query { customers: [Customer!]!, customer(id: ID!): Customer }

type Mutation { createCustomer(input: CustomerIn!): Customer!, updateCustomer(id: ID!, input: CustomerIn!): Customer }