

Entities

Enum. Order Status

PROCESSING
DISPATCHED
DELIVERED

Enum.PaymentType

MBWAY
MB
PAYPAL

Enum.ProductType

ELETRONICS
FROZEN_FOOD
FRUITS
CARBONATED_DRINKS

Enum.SensorType

TEMPERATURE
GPS
HUMIDITY
ACCELERATION

Enum. Volume Status

DISPATCHED
DAMAGED
DELIVERED

Enum.VolumeType

COOLER_BOX
CARDBOARD_BOX
WOODEN_CRATE

User

- id: long
- name: String
- email: String
- password: String

Customer

- orders: List<Order>
- address: String

Order

- id: long
- customer: Customer
- volumes: List<Volume>
- products: List<Product>
- status: Enum.OrderStatus
- createdAt: Date
- paymentType: Enum.Payment

Product

- id: long
- name: String
- type: Enum.ProductType
- orders: List<Order>
- volumes: List<Volume>
- stocks: List<Stock>

Sensor

- id: long
- Volume: volume
- type: Enum.SensorType
- isActive: boolean
- maxThreshold: float
- minThreshold: float
- timeInterval: long
- readings: List<Reading>

Reading

- id: long
- Sensor: sensor
- valueOne: double
- valueTwo: double
- timestamp: Date

Volume

- id: long
- type: Enum.VolumeType
- volumeCode: String
- product: Product
- sensors: List<Sensor>
- dispatchedBy: Employee
- status: Enum.VolumeStatus
- order: Order
- dispatchedAt: Date
- updatedAt: Date

Stock

- id: long
- product: Product
- warehouse: Warehouse
- quantity: long

Employee

- warehouse: Warehouse
- volumesDispatched: List<Volume>

Manager

- office: String

Warehouse

- id: long
- name: String
- location: String
- employees: List<Employee>
- stocks: List<Stock>

