# Modelo de datos

## users

- _id: ObjectId
- username: String (index)
- email: String (único)
- role: String ("admin" | "cashier" | "manager", default "cashier")
- password: String
- createdAt: Date (default now)

## customers

- _id: ObjectId
- name: String (index)
- email: String
- phone: String
- address: String
- createdAt: Date (default now)

## products

- _id: ObjectId
- name: String (index)
- price: Number (min 0)
- category: String
- createdAt: Date (default now)

## stock

- _id: ObjectId
- product: ObjectId (ref products)

- quantity: Number (min 0, default 0)

## sales

- _id: ObjectId
- date: Date (default now)
- customer: ObjectId (ref customers, opcional)
- items: Array de objetos:
    - product: ObjectId (ref products)
    - qty: Number (min 1)
    - price: Number (precio unitario al momento de la venta)
- total: Number (>= 0, suma de qty * price)