

T5 primeCoders: leader: Ricardo Lainez

URL github: <https://github.com/Jeancarlospp/Bocatto.git>

URL web page: <https://bocatto-nu.vercel.app/>

Class consistency

missing customizations in class diagram -0.1

The screenshot shows a dual-pane interface. On the left is a code editor for a file named `Cart.js`, displaying Mongoose schema code for a `CartItemSchema`. On the right is a UML class diagram titled "Restaurant * - Visual Paradigm Community Edition (not for commercial use)".

Code Editor (Cart.js):

```
1 import mongoose from 'mongoose'
2
3 const cartItemSchema = new mongoose.Schema({
4   product: {
5     type: Number,
6     required: true
7   },
8   productId: {
9     type: Number,
10    required: true
11 },
12   name: {
13     type: String,
14     required: true
15 },
16   price: {
17     type: Number,
18     required: true
19 },
20   quantity: {
21     type: Number,
22     required: true,
23     min: [1, 'Quantity must be at least 1'],
24     default: 1
25 },
26   customizations: {
27     removedIngredients: {
28       type: String,
29       trim: true
30     },
31     addedIngredients: [
32       {
33         type: String,
34         trim: true
35     }],
36     allergyWarnings: [
37       {
38         type: String,
39       }]
40 })
41
42 module.exports = mongoose.model('CartItem', cartItemSchema)
```

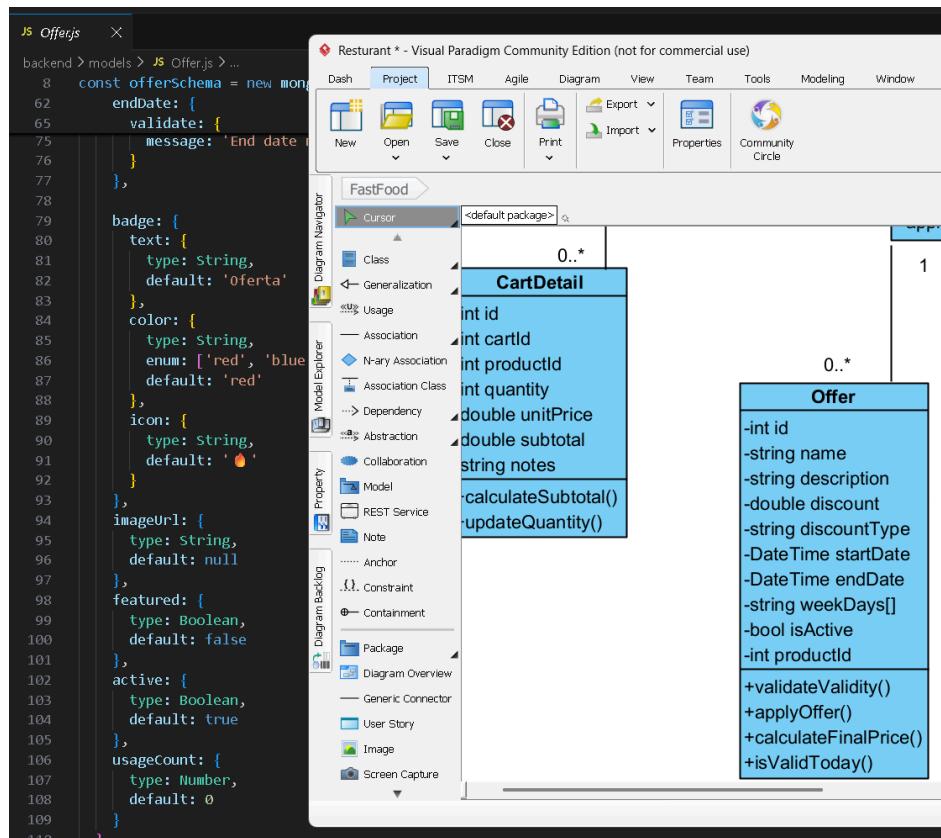
Class Diagram:

```
classDiagram
    class Category {
        -int id
        -string name
        -string description
        -string image
        -int order
        -boolean isActive
        +addProduct()
        +getProducts()
    }
    class Cart {
        -int id
        -int clientId
        -DateTime creationDate
        -double subtotal
        -double tax
        -double total
        +addProduct()
        +deleteProduct()
        +updateProduct()
        +calculateTotal()
        +emptyCart()
        +applyOffer()
    }
    class Product {
        -int id
        -string name
        -string description
        -float price
        -string img
        -bool available
        -int categoryId
        -int currentStock
        -DateTime creationDate
        +updateStock()
        +changeAvailability()
        +getAverageRating()
        +applyDiscount()
    }
    class CartDetail {
        -int id
        -int cartId
        -int productId
        -int quantity
        -double unitPrice
        -double subtotal
        -string notes
        +calculateSubtotal()
        +updateQuantity()
    }
    class Offer {
        -int id
        -string name
        -string description
        -double discount
        -string discountType
        -DateTime startDate
        -DateTime endDate
        -string weekDays[]
    }
    class Ord {
        -int id
        -int orderId
        -int productId
        -int quantity
    }

    Category "1" -- "0..1" Cart
    Category "1" -- "0..1" Product
    Cart "0..1" -- "0..1" CartDetail
    Product "0..1" -- "0..1" CartDetail
    Product "0..1" -- "0..1" Offer
    CartDetail "0..1" -- "0..1" Offer
    Offer "0..1" -- "0..1" Ord
```

The class diagram includes classes for `Category`, `Cart`, `Product`, `CartDetail`, `Offer`, and `Ord`. It shows various associations between these classes, such as `Category` having one-to-zero-or-one relationships with `Cart` and `Product`, and `Cart` having zero-to-one relationships with `CartDetail` and `Offer`.

In offer, attributes for example badge , featured is missing in class diagram -0.1



Class About Us is missing in class Diagram -0.1

Class Area is missing in Class Diagram -0.1

Class Contact is missing in Class Diagram -0.1

Class Coupon is missing in Class Diagram -0.1

Class Coupon Usage is missing in Class Diagram -0.1

Class Location is missing in Class Diagram -0.1

Class Menu is missing in Class Diagram -0.1

Security:

The project has implemented several important security layers:

- Robust authentication system with 2FA
- OAuth for logging into social security
- Authorization middleware
- Encryption of sensitive data
- Separation of roles (public/admin)
- Secure management of environment variables

Class consistency	Security
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