# DEPARTMENT OF COMPUTER SCIENCE

## Software Engineering

## *Advanced Web Development*

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**NRC:** 22406

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**Date:** 04/08/2025

# URI's Documentation

- Create Customer
  Front: https://barrocoinc.netlify.app/clientes

| HTTP Method | POST |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/customers |
| Description | Creates a new customer |
| Request Parameters | {<br>    "firstName": "Jhon",<br>    "lastName": "Doe",<br>    "email": "jd@example.com",<br>    "password": "12345",<br>    "phone": "0998721375",<br>    "billingAddress": "Avenida Mariscal Sucre",<br>    "shippingAddress": "Avenida Mariscal Sucre",<br>    "role": "customer"<br>} |
| Json Response | {<br>    "firstName": "Jhon",<br>    "lastName": "Doe",<br>    "email": "jd@example.com",<br>    "password": "$2b$10$7NhSSiGIKaJFGtRidY1z7egoAhw5kjFmBtw2lYI.nnFLDXpODceye",<br>    "phone": "0998721375",<br>    "billingAddress": "Avenida Mariscal Sucre",<br>    "shippingAddress": "Avenida Mariscal Sucre",<br>    "role": "customer",<br>    "_id": "689318fbf2b6e4f8a4e4f71f",<br>    "createdAt": "2025-08-06T08:57:31.043Z",<br>    "updatedAt": "2025-08-06T08:57:31.043Z",<br>    "idCustomer": 25,<br>    "__v": 0<br>} |
| Status | 201 Created |
| Json File | |

## Barroco Ceramics

Inicio    Productos    Categorías    Personalizar

### Gestión de Clientes

| | |
|---|---|
| Alejandro | Compras |
| alejocomprador@nohaydinero.ec | •••••• |
| 0998731275 | Enrique Segoviano |
| El Chavo | |

**Crear Cliente**

Buscar cliente por ID, nombre o email

**ID:** 688ff75980bf20e6df2162f8
**Nombre:** Fernando Lara
**Email:** rfsandoval1@espe.edu.ec

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## Barroco Ceramics

Inicio    Productos    Categorías    Personalizar

### Gestión de Clientes

| | |
|---|---|
| Nombre | Apellido |
| Correo | Contraseña |
| Teléfono | Dirección de facturación |
| Dirección de envío | |

**Crear Cliente**

Buscar cliente por ID, nombre o email

**ID:** 688ff75980bf20e6df2162f8
**Nombre:** Fernando Lara
**Email:** rfsandoval1@espe.edu.ec

**Cliente creado**
El cliente ha sido registrado correctamente

```
        phone : "0998721375"
        billingAddress : "Avenida Mariscal Sucre"
        shippingAddress : "Avenida Mariscal Sucre"
        role : "customer"
        createdAt : 2025-08-06T08:57:31.043+00:00
        updatedAt : 2025-08-06T08:57:31.043+00:00
        idCustomer : 25
        __v : 0


    _id: ObjectId('68932161f2b6e4f8a4e4f740')
    firstName : "Alejandro"
    lastName : "Compras"
    email : "alejocomprador@nohaydinero.ec"
    password : "$2b$10$QZOyHpFueyz1upGSxxcR1uChGzG2SUKzwyxSGtR/V1rslVsPU7eVe"
    phone : "0998731275"
    billingAddress : "Enrique Segoviano"
    shippingAddress : "El Chavo"
    role : "customer"
    createdAt : 2025-08-06T09:33:21.349+00:00
    updatedAt : 2025-08-06T09:33:21.349+00:00
    idCustomer : 27
    __v : 0
```

- Delete Customer
  Front: https://barrocoinc.netlify.app/clientes

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/customers/{id} |
| Description | Deletes a customer |
| Request Parameters | id (in the path): client ID |
| Json Response | {"message":"Customer deleted successfully"} |
| Status | 200 (OK) |
| Json File | |

```
phone : "0998721375"
billingAddress : "Avenida Mariscal Sucre"
shippingAddress : "Avenida Mariscal Sucre"
role : "customer"
createdAt : 2025-08-06T08:57:31.043+00:00
updatedAt : 2025-08-06T08:57:31.043+00:00
idCustomer : 25
__v : 0


_id: ObjectId('68932161f2b6e4f8a4e4f740')
firstName : "Alejandro"
lastName : "Compras"
email : "alejocomprador@nohaydinero.ec"
password : "$2b$10$QZOyHpFueyz1upGSxxcR1uChGzG2SUKzwyxSGtR/V1rslVsPU7eVe"
phone : "0998731275"
billingAddress : "Enrique Segoviano"
shippingAddress : "El Chavo"
role : "customer"
createdAt : 2025-08-06T09:33:21.349+00:00
updatedAt : 2025-08-06T09:33:21.349+00:00
idCustomer : 27
__v : 0
```

**B** **Barroco Ceramics**  Inicio  Productos  Categorías  Personalizar

**Teléfono:** 0998721375
**Facturación:** Avenida Mariscal Sucre
**Envío:** Avenida Mariscal Sucre
**Rol:** customer

Editar  Eliminar

**ID:** 68932161f2b6e4f8a4e4f740
**Nombre:** Alejandro Compras
**Email:** alejocomprador@nohaydinero.ec
**Teléfono:** 0998731275
**Facturación:** Enrique Segoviano
**Envío:** El Chavo
**Rol:** customer

Editar  Eliminar

updatedAt : 2025-08-06T08:57:31.043+00:00
__v : 0

_id: ObjectId('689318fbf2b6e4f8a4e4f71f')
firstName : "Jhon"
lastName : "Doe"
email : "jd@example.com"
password : "$2b$10$7NhSSiGlKaJFGtRidY1z7egoAhw5kjFmBtw2lYI.nnFLDXpODceye"
phone : "0998721375"
billingAddress : "Avenida Mariscal Sucre"
shippingAddress : "Avenida Mariscal Sucre"
role : "customer"
createdAt : 2025-08-06T08:57:31.043+00:00
updatedAt : 2025-08-06T08:57:31.043+00:00
idCustomer : 25
__v : 0

- Update Customer
  Front: https://barrocoinc.netlify.app/clientes
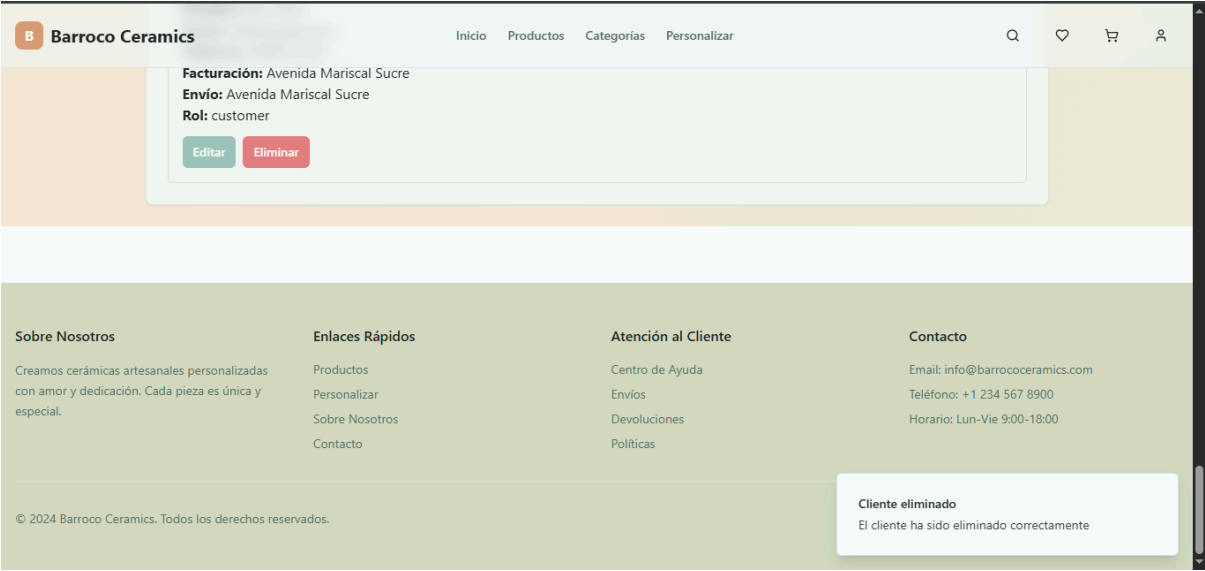
| HTTP Method | PUT |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/customers/{id} |
| Description | Updates an existing customer |
| Request Parameters | {"billingAdress":"Updated St","phone":"0988888888"} |
| Json Response | {"message":"Customer updated successfully"} |
| Status | 200 (OK) |
| Json File | |

**ID:** 68932161f2b6e4f8a4e4f740
**Nombre:** Alejandro Compras
**Email:** alejocomprador@nohaydinero.ec
**Teléfono:** 0998731275
**Facturación:** Enrique Segoviano
**Envío:** El Chavo
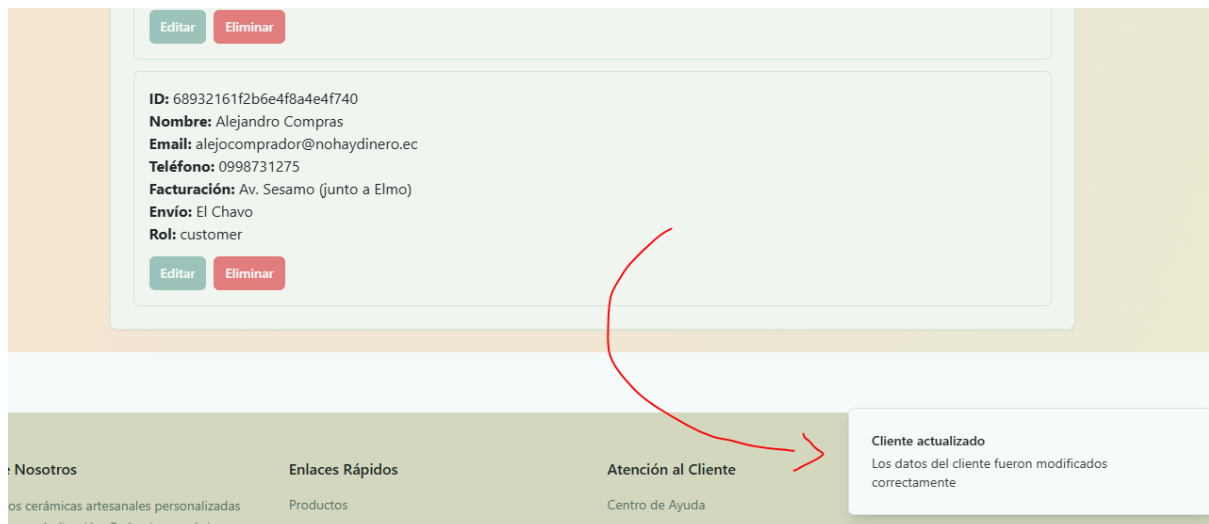**Rol:** customer

Editar    Eliminar

0998731275

Av. Sesamo (junto a Elmo)

El Chavo

Guardar Cambios

phone : "0998721375"
billingAddress : "Avenida Mariscal Sucre"
shippingAddress : "Avenida Mariscal Sucre"
role : "customer"
createdAt : 2025-08-06T08:57:31.043+00:00
updatedAt : 2025-08-06T08:57:31.043+00:00
idCustomer : 25
__v : 0

_id: ObjectId('68932161f2b6e4f8a4e4f740')
firstName : "Alejandro"
lastName : "Compras"
email : "alejocomprador@nohaydinero.ec"
password : "$2b$10$QZOyHpFueyz1upGSxxcR1uChGzG2SUKzwyxSGtR/V1rslVsPU7eVe"
phone : "0998731275"
billingAddress : "Enrique Segoviano"
shippingAddress : "El Chavo"
role : "customer"
createdAt : 2025-08-06T09:33:21.349+00:00
updatedAt : 2025-08-06T09:33:21.349+00:00
idCustomer : 27
__v : 0

_id: ObjectId('68932161f2b6e4f8a4e4f740')
firstName : "Alejandro"
lastName : "Compras"
email : "alejocomprador@nohaydinero.ec"
password : "$2b$10$QZOyHpFueyz1upGSxxcR1uChGzG2SUKzwyxSGtR/V1rslVsPU7eVe"
phone : "0998731275"
billingAddress : "Av. Sesamo (junto a Elmo)"
shippingAddress : "El Chavo"
role : "customer"
createdAt : 2025-08-06T09:33:21.349+00:00
updatedAt : 2025-08-06T09:37:11.298+00:00
idCustomer : 27
__v : 0

- Get Customer
  Front: https://barrocoinc.netlify.app/clientes

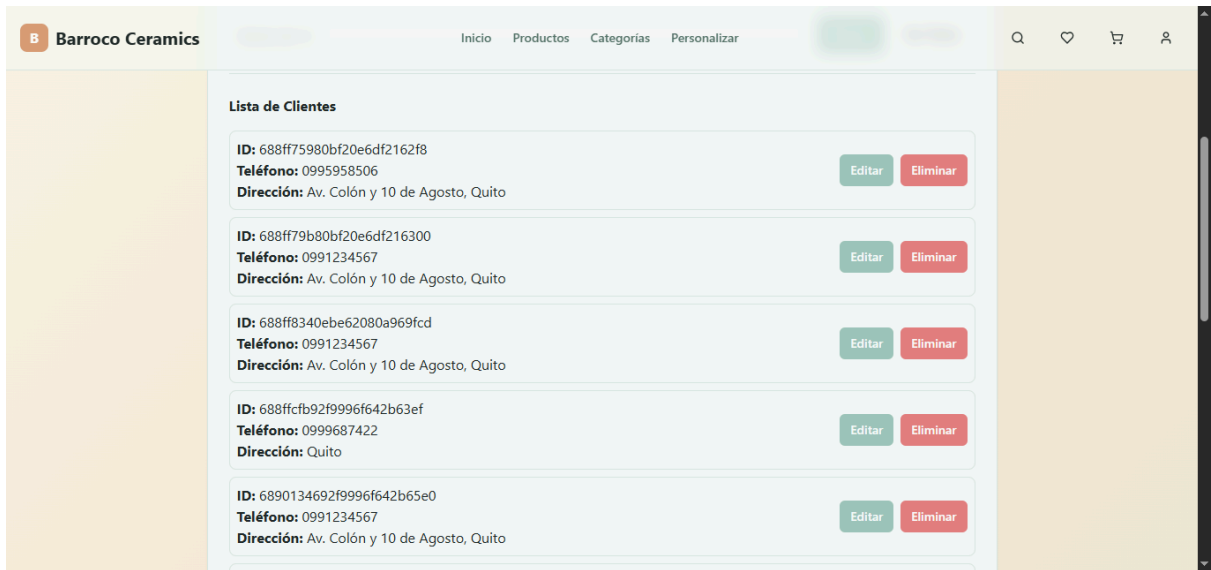| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/customers/{id} |
| Description | Retrieves a customer using the provided customer ID. |
| Request Parameters | id – The ID of the customer |
| Json Response | {<br>  "_id": "string",<br>  "phone": "string",<br>  "billingAddress": "string",<br>  "__v": 0<br>}<br>or<br>{<br>  "message": "Customer not found"<br>} |

| Status | 200 (OK) |
|--------|----------|
| Json File | |



- Get Customers
  Front: https://barrocoinc.netlify.app/clientes

| HTTP Method | GET |
|-------------|-----|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/customers |
| Description | Retrieves all customers. |
| Request Parameters | |
| Json Response | ```<br>[<br>  {<br>    "_id": "string",<br>    "phone": "string",<br>    "billingAddress": "string",<br>    "__v": 0<br>  }<br>  // ...more costumers<br>]<br>``` |
| Status | 200 (OK) |
| Json File | |

- Create Order

| HTTP Method | POST |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/orders |
| Description | Create a new order |
| Request Parameters | {"idOrder": "O001",<br>    "customer": "6861ccae4bd4c2f4d1b7cbb5",<br>    "total": 230.5,<br>    "date": "2025-06-29T00:00:00.000Z",<br>    "deliveryAddress": "Av. Siempre Viva 742",<br>    "status": "En proceso"} |
| Json Response | {"message":"Order created successfully"} |
| Status | 201 (Created) |
| Json File | |

- Delete Order

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/orders/{id} |
| Description | Delete an order |
| Request Parameters | idOrder |
| Json Response | {"message":"Order deleted successfully"} |

| | |
|---|---|
| Status | 200 (OK) |
| Json File | |

- Update Order

| | |
|---|---|
| HTTP Method | PUT |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/orders/{id} |
| Description | Update an existing order |
| Request Parameters | {"status":"DELIVERED"} |
| Json Response | {"message":"Order updated successfully"} |
| Status | 200 (OK) |
| Json File | |

- Get Order

| | |
|---|---|
| HTTP Method | GET |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/orders/{id} |
| Description | Get details of a specific order |
| Request Parameters | idOrder – Order ID |
| Json Response | {"idOrder":"123","date":"2024-06-01","status":"SENT","total":120.50} |
| Status | 200 (OK) |
| Json File | |

- Create CartItem

| | |
|---|---|
| HTTP Method | POST |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.combarroco/cart-items |
| Description | Add a product to the cart |

| Request Parameters | {"product":"P123","quantity":1,"subtotal":25.00} |
|---|---|
| Json Response | {"message":"Item added to cart"} |
| Status | 201 (Created) |
| Json File | |

- Delete CartItem

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/cart-items/{id} |
| Description | Remove an item from the cart |
| Request Parameters | idItemCar |
| Json Response | {"message":"Item removed from cart"} |
| Status | 200 (OK) |
| Json File | |

- Update CartItem

| HTTP Method | PUT |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/cart-items/{id} |
| Description | Update the quantity or subtotal of a cart item |
| Request Parameters | {"quantity":3,"subtotal":75.00} |
| Json Response | {"message":"Item updated"} |
| Status | 200 (OK) |
| Json File | |

- Get CartItem

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/cart-items/{id} |

| Description | Get item details from the cart |
|---|---|
| Request Parameters | idItemCar |
| Json Response | {"idItemCar":"IT001","product":"P123","quantity":2,"subtotal":50.00} |
| Status | 200 (OK) |
| Json File | |

- Create ShoppingCart

| HTTP Method | POST |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/shoppingCart |
| Description | Create a new shopping cart |
| Request Parameters | {"customer":"123","total":0.00} |
| Json Response | {"message":"Shopping cart created successfully"} |
| Status | 201 (Created) |
| Json File | |

- Delete ShoppingCart

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/shoppingCart/{id} |
| Description | Delete a shopping cart |
| Request Parameters | idShoppingCar |
| Json Response | {"message":"Cart deleted successfully"} |
| Status | 200 (OK) |
| Json File | |

- Update ShoppingCart

| HTTP Method | PUT |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/shoppingCart/{id} |
| Description | Update the shopping cart total or customer |
| Request Parameters | {"total":250.00} |
| Json Response | {"message":"Cart updated successfully"} |
| Status | 200 (OK) |
| Json File | |

● Get ShoppingCart

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/shoppingCart/{id} |
| Description | Retrieve a shopping cart |
| Request Parameters | idShoppingCar |
| Json Response | {"idShoppingCar":"SC123","customer":"123","total":200.00} |
| Status | 200 (OK) |
| Json File | |

● Create  Administrator

| HTTP Method | POST |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/administrators |
| Description | Creates a new administrator user. |
| Request Parameters | {<br>  "firstName": "John",<br>  "lastName": "Doe",<br>  "email": "jdoe@email.com",<br>  "password": "securePass123",<br>  "role": "admin"<br>} |
| Json Response | { |

| | |
|---|---|
| | "message": "Administrator created successfully"<br>} |
| Status | 201 Created |
| Json File | |

● Delete  Administrator

| | |
|---|---|
| HTTP Method | DELETE |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/administrators/{id} |
| Description | Deletes an administrator from the system. |
| Request Parameters | id – ID of the administrator. |
| Json Response | {<br>  "message": "Administrator deleted successfully"<br>} |
| Status | 200 OK |
| Json File | |

● Update  Administrator

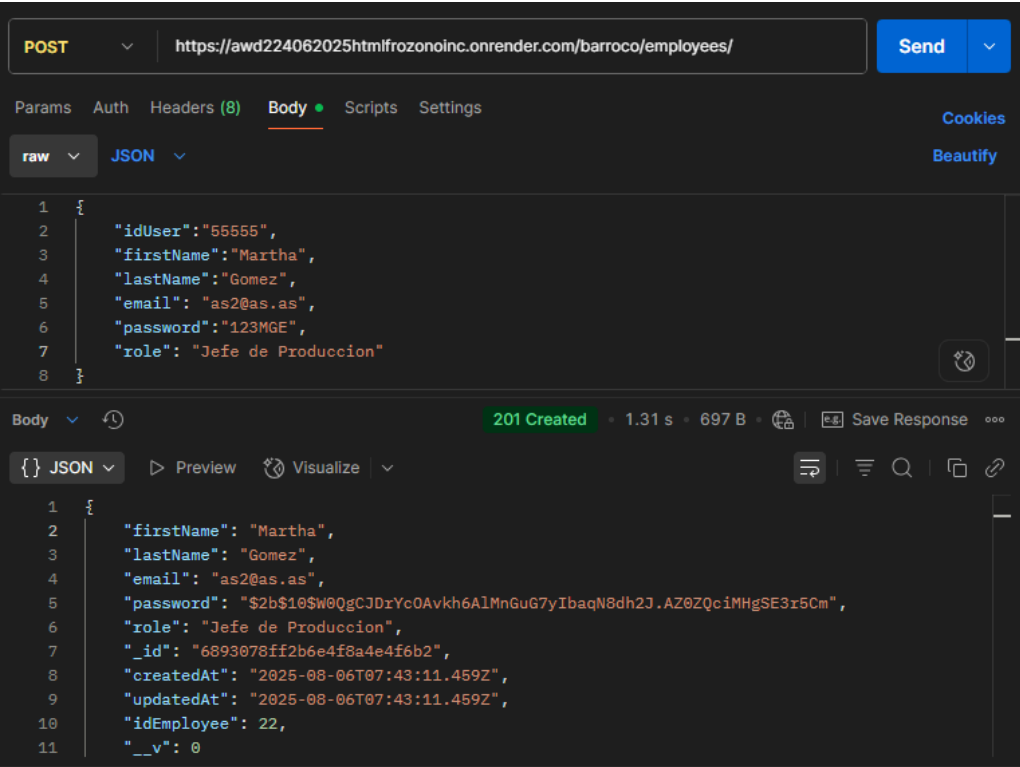| | |
|---|---|
| HTTP Method | PUT |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/administrators/{id} |
| Description | Updates administrator profile information. |
| Request Parameters | {<br>  "firstName": "John",<br>  "lastName": "Doe",<br>  "email": "jdoe@email.com",<br>} |
| Json Response | {<br>  "message": "Administrator updated successfully"<br>} |
| Status | 200 OK |
| Json File | |

● Get  Administrator

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/administrators/{id} |
| Description | Retrieves details of a specific administrator using their ID. |
| Request Parameters | id – ID of the administrator. |
| Json Response | {<br>  "idEmployee": "A001",<br>  "firstName": "Laura",<br>  "lastName": "Cruz",<br>  "email": "laura@example.com",<br>  "role": "admin"<br>} |
| Status | 200 OK |
| Json File | |

- Create Employees
  Front: https://barrocoinc.netlify.app/empleados

| HTTP Method | POST |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/employees |
| Description | Register a new employee (e.g. warehouse or sales staff) |
| Request Parameters | {<br>  "idEmployee": "E002",<br>  "idUser": "U004",<br>  "role": "Jefe de Producción",<br>  "idAdmin": "A001"<br>} |
| Json Response | { "message": "Employee created successfully" } |
| Status | 201 Created |
| Json File | |

POST https://awd224062025htmlfrozonoinc.onrender.com/barroco/employees/

Params  Auth  Headers (8)  **Body** ●  Scripts  Settings                                    Cookies

raw  ∨    JSON ∨                                                                            Beautify

```
1  {
2      "idUser":"55555",
3      "firstName":"Martha",
4      "lastName":"Gomez",
5      "email": "as2@as.as",
6      "password":"123MGE",
7      "role": "Jefe de Produccion"
8  }
```

Body ∨  ⟳                                    201 Created · 1.31 s · 697 B · 🔒 · ⌨ Save Response ⋯

{} JSON ∨    ▷ Preview    Visualize | ∨

```
1  {
2      "firstName": "Martha",
3      "lastName": "Gomez",
4      "email": "as2@as.as",
5      "password": "$2b$10$W0QgCJDrYcOAvkh6AlMnGuG7yIbaqN8dh2J.AZ0ZQciMHgSE3r5Cm",
6      "role": "Jefe de Produccion",
7      "_id": "6893078ff2b6e4f8a4e4f6b2",
8      "createdAt": "2025-08-06T07:43:11.459Z",
9      "updatedAt": "2025-08-06T07:43:11.459Z",
10     "idEmployee": 22,
11     "__v": 0
```

```
createdAt : 2025-08-03T13:38:50.870+00:00
updatedAt : 2025-08-03T13:38:50.870+00:00
__v : 0
```

```
_id: ObjectId('6893089af2b6e4f8a4e4f6bb')
firstName : "Martha"
lastName : "Gomez"
email : "as2@as.as"
password : "$2b$10$lpQk1LlJ9R8Qwh7TNTSCj.U8oYsETNYwtO6bh/Aj1jM9oUn2tZE6."
role : "Jefe de Produccion"
createdAt : 2025-08-06T07:47:38.644+00:00
updatedAt : 2025-08-06T07:47:38.644+00:00
idEmployee : 22
__v : 0
```
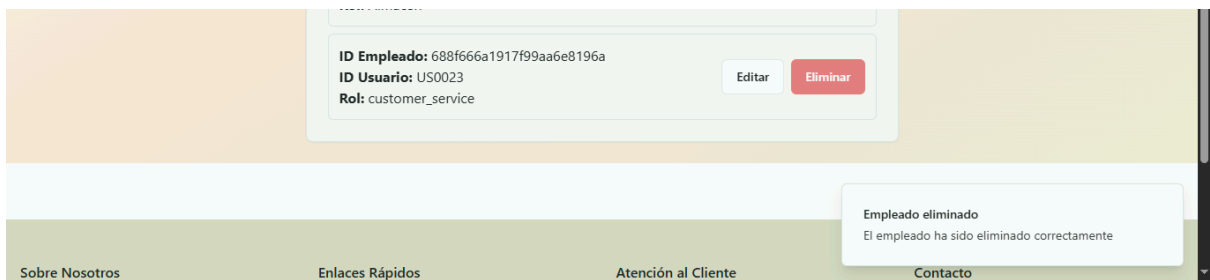
● Delete Employees

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/employees/{id} |
| Description | Remove an employee from the system |
| Request Parameters | id – The ID of the Employee "idEmployee" |
| Json Response | { "message": "Employee deleted successfully" } |
| Status | 200 OK |

| Json File | |
|-----------|---|



**ID Usuario:** US00
**Rol:** Almacén

**ID Empleado:** 688f666a1917f99aa6e8196a
**ID Usuario:** US0023
**Rol:** customer_service

Editar   Eliminar

**ID Empleado:** 26
**ID Usuario:** No disponible
**Rol:** Jefe de Produccion

Editar   Eliminar

Sobre Nosotros          Enlaces Rápidos          Atención al Cliente          Contacto

_id: ObjectId('688f666a1917f99aa6e8196a')
idEmployee : "Em001"
idUser : "US0023"
role : "customer_service"
idAdmin : "Ad001"
createdAt : 2025-08-03T13:38:50.870+00:00
updatedAt : 2025-08-03T13:38:50.870+00:00
__v : 0

_id: ObjectId('68931535f2b6e4f8a4e4f6f4')
firstName : "Martha"
lastName : "Gomez"
email : "as2@as.as"
password : "$2b$10$Zx8r1rQdjsegajnMt9j4Q.ZciuHlT1cBq3igh3c7KievZsXnCe53W"
role : "Jefe de Produccion"
createdAt : 2025-08-06T08:41:25.262+00:00
updatedAt : 2025-08-06T08:41:25.262+00:00
idEmployee : 27
__v : 0

**ID Empleado:** 688f666a1917f99aa6e8196a
**ID Usuario:** US0023
**Rol:** customer_service

Editar   Eliminar

**Empleado eliminado**
El empleado ha sido eliminado correctamente

Sobre Nosotros          Enlaces Rápidos          Atención al Cliente          Contacto

idAdmin : "A002"

_id: ObjectId('688f666a1917f99aa6e8196a')
idEmployee : "Em001"
idUser : "US0023"
role : "customer_service"
idAdmin : "Ad001"
createdAt : 2025-08-03T13:38:50.870+00:00
updatedAt : 2025-08-03T13:38:50.870+00:00
__v : 0

- Update Employees

| HTTP Method | PUT |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/employees/{id} |
| Description | Modify employee details |
| Request Parameters | {<br>  "role": "sales"<br>} |
| Json Response | { "message": "Employee updated successfully" } |
| Status | 200 OK |
| Json File | |

_id: ObjectId('6858f1c84bd4c2f4d1b607d5')
idEmployee : "E003"
idUser : "U005"
role : "Atención al Cliente"
idAdmin : "A002"

**Rol:** Almacén

**ID Empleado:** 6858f1c84bd4c2f4d1b607d5
**ID Usuario:** U005
**Rol:** Jefe de Producción

Editar    Eliminar

**ID Empleado:** 6858f1c84bd4c2f4d1b607d6
**ID Usuario:** U006
**Rol:** Almacén

Editar    Eliminar

**ID Empleado:** 688f666a1917f99aa6e8196a
**ID Usuario:** US0023
**Rol:** customer_service

Editar    Elimina

**Empleado actualizado**
El rol fue modificado correctamente

_id: ObjectId('6858f1c84bd4c2f4d1b607d5')
idEmployee : "E003"
idUser : "U005"
role : "Jefe de Producción"
idAdmin : "A002"
updatedAt : 2025-08-06T08:44:14.997+00:00

- Get Employees
  Front: https://barrocoinc.netlify.app/empleados

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/employees/{id} |
| Description | View an employee's profile |
| Request Parameters | idEmployee |
| Json Response | {<br>  "idEmployee": "E002",<br>  "idUser": "U004",<br>  "role": "Jefe de Producción"<br>} |
| Status | 200 OK |
| Json File | |

- Create Products
  Front: https://barrocoinc.netlify.app/Admin

| HTTP Method | POST |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/products |
| Description | Create a new ceramic product (e.g. mug, plate, vase) |
| Request Parameters | {<br>  "name": "Handmade Mug",<br>  "description": "Blue ceramic mug with floral pattern",<br>  "price": 14.99,<br>  "stock": 50,<br>  "category": "6860cd09564e8b5ad04f0394",<br>  "customizationAvailable": true<br>} |
| Json Response | { "message": "Product created successfully" } |
| Status | 201 Created |
| Json File | |

- Delete Products
  Front: https://barrocoinc.netlify.app/Admin

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/products/{id} |
| Description | Remove a product from the catalog |
| Request Parameters | idProduct |

| | |
|---|---|
| Json Response | { "message": "Product deleted successfully" } |
| Status | 200 OK |
| Json File | |

```
_id: ObjectId('68905a57c6b1c32be55df657')
idProduct : "P071"
name : "ProductoPrueba"
description : "Es una prueba"
price : 12.99
stock : 15
url : "https://www.todohogar.com/253335-medium_default/bowl-amalfi-gris-artes…"
__v : 0
```

**B Barroco Ceramics**    Inicio   Productos   Categorías   Personalizar

URL de la imagen

[Registrar]

**Hanging Planter**

Precio: $18.75
Stock: 45
URL: Ver imagen
[Editar] [Eliminar]

**White Ceramic Vase**

Precio: $35
Stock: 10
URL: Ver imagen
[Editar] [Eliminar]

**Artisanal Bowl**

Precio: $12.99
Stock: 40
URL: Ver imagen
[Editar] [Eliminar]

**Emerald Green Pitcher**

Precio: $16.75
Stock: 22
URL: Ver imagen
[Editar] [Eliminar]

**ProductoPrueba**

Precio: $12.99
Stock: 15
URL: Ver imagen
[Editar] [Eliminar]

- Update  Products
  Front: https://barrocoinc.netlify.app/Admin
  Front: https://barrocoinc.netlify.app/productoscontrol

| | |
|---|---|
| HTTP Method | PUT |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/products/{id} |
| Description | Update product information (e.g. price or stock) |
| Request Parameters | {<br>  "price": 16.99,<br>  "stock": 70<br>} |
| Json Response | { "message": "Product updated successfully" } |
| Status | 200 OK |

| Json File | |
|-----------|---|
|           |   |

**Employee:**





**Administrator:**

**Editar Producto**

4

Hanging Planter

18.75

45

Hanging ceramic planter for small plants.

ID Categoría

https://api.cb2.sa/medias/503078-CB2SalvadorBrwnHngngPlntrGrpFHS20-convert-1440x960?context=bWFzdGVyfGF6dXJlaW1hZ2VzfDEzMTE4NXxpbWFnZS9qcGVnfGFHTXdMMMmczT1M4NU1UWX

**Guardar cambios**    Cancelar

# Hanging Planter

Precio: $18.75

Stock: 85

URL: Ver imagen

**Editar**    **Eliminar**

---

**B** **Barroco Ceramics**          Inicio   Productos   Categorías   Personalizar          Q   ♡   🛒   👤

**Hanging Planter**

Precio: $18.75
Stock: 85
URL: Ver imagen
Editar   Eliminar

**White Ceramic Vase**

Precio: $35
Stock: 10
URL: Ver imagen
Editar   Eliminar

**Artisanal Bowl**

Precio: $12.99
Stock: 40
URL: Ver imagen
Editar   Eliminar

**Emerald Green Pitcher**

Precio: $16.75
Stock: 22
URL: Ver imagen
Editar   Eliminar

**ProductoPrueba**

Precio: $12.99
Stock: 15
URL: Ver imagen
Editar   Eliminar
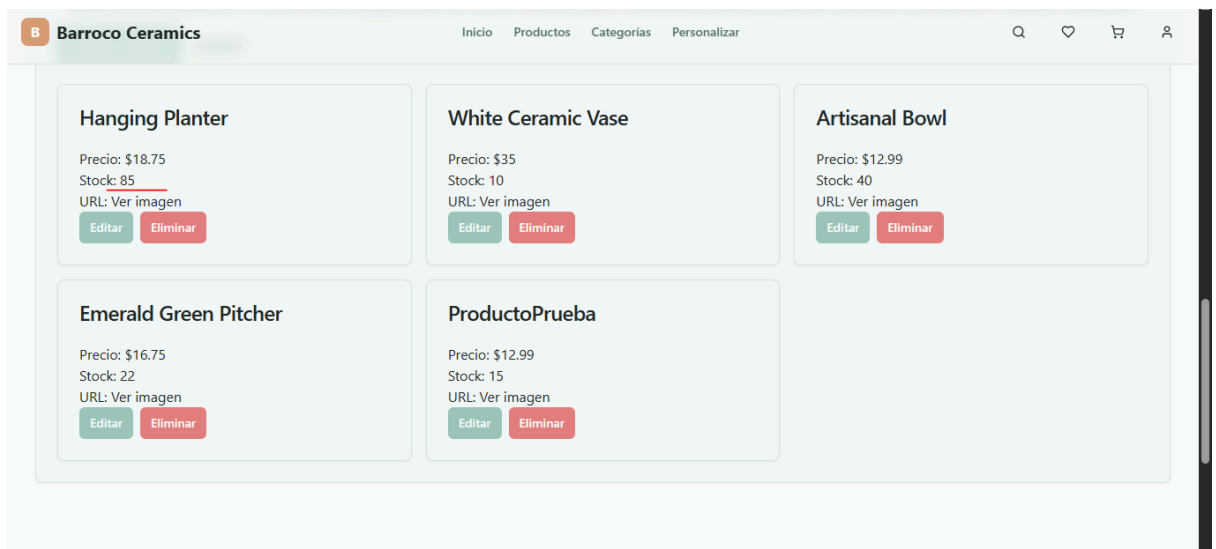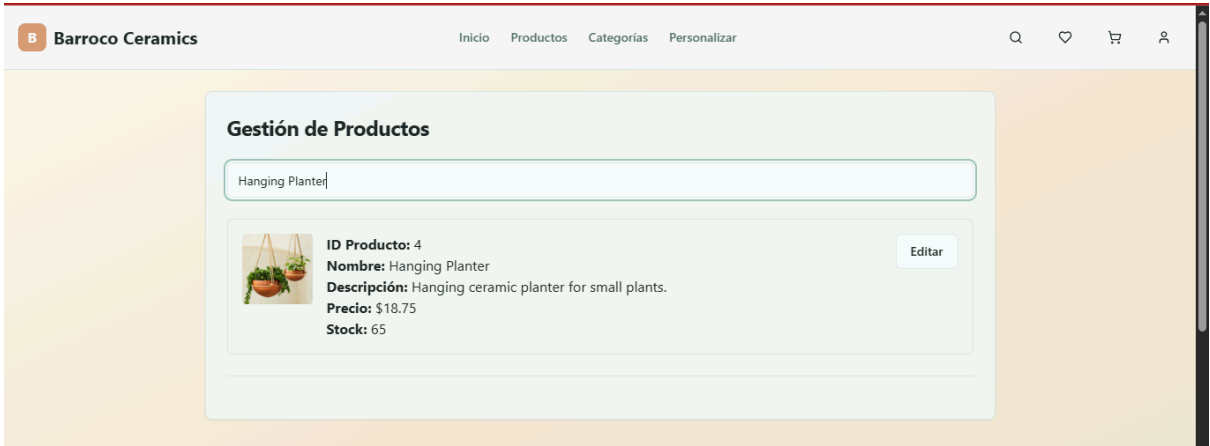
● Get  Products

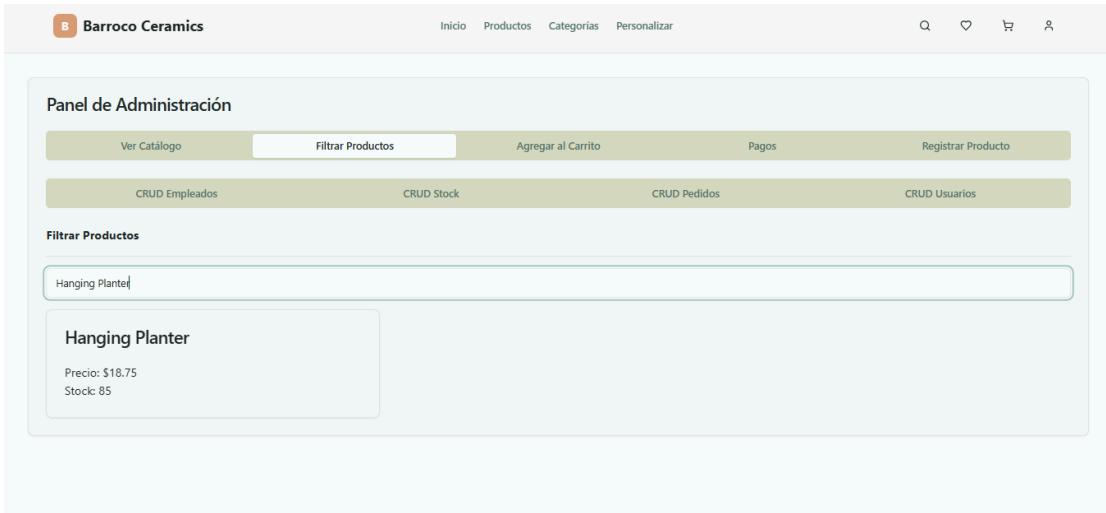| HTTP Method | GET |
| --- | --- |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/products/{id} |
| Description | Retrieve details of a specific product |
| Request | idProduct |

| Parameters | |
|---|---|
| Json Response | {<br>  "idProduct": "P001",<br>  "name": "Handmade Mug",<br>  "description": "Blue ceramic mug with floral pattern",<br>  "price": 14.99,<br>  "stock": 50,<br>  "category": "Mugs"<br>} |
| Status | 200 OK |
| Json File | |

**Employee:**



**Administrator:**



● Create Payments

| HTTP Method | POST |
|---|---|

| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/payments |
|---|---|
| Description | Create a new payment entry for an order. |
| Request Parameters | {<br>  "paymentID": 1,<br>  "order": "ORD123",<br>  "amount": 100.50,<br>  "paymentMethod": "PayPal",<br>  "status": "Pending"<br>} |
| Json Response | {<br>  "message": "Payment created successfully",<br>  "idPayment": 5<br>} |
| Status | 201 Created |
| Json File | |

- Delete Payments

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/payments/{idPayment} |
| Description | Remove a payment record by ID. |
| Request Parameters | {<br>  "id": 7<br>} |
| Json Response | {<br>  "message": "Payment deleted successfully"<br>} |
| Status | 200 (OK) |
| Json File | |

- Update Payments

| HTTP Method | PUT |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/payments/{idPayment} |
| Description | Update the status or other information of a payment. |
| Request Parameters | {<br>  "status": "Confirmado"<br>} |
| Json Response | {<br>  "message": "Payment updated successfully"<br>} |
| Status | 200 (OK) |
| Json File | |

- Get Payments

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/payments |
| Description | Get list of payments. |
| Request Parameters | [<br>  {<br>    "idPayment": 1,<br>    "amount": 45.99,<br>    "status": "Confirmado"<br>  }<br>] |
| Json Response | [<br>  {<br>    "idPayment": 1,<br>    "idOrder": 1,<br>    "amount": 56.50,<br>    "method": "Transferencia",<br>    "status": "Confirmado"<br>  }<br>] |

| Status | 200 (OK) |
|---|---|
| Json File | |

- Create ProductCategory

| HTTP Method | POST |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/categories |
| Description | Creates a new product category. |
| Request Parameters | {<br>  "categoryID": 6,<br>  "name": "Leather Goods",<br>  "description": "Handcrafted leather accessories"<br> } |
| Json Response | {<br>  "message": "Category created successfully"<br>} |
| Status | 201 (Created) |
| Json File | |

- Delete ProductCategory

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/categories/{idCategory} |
| Description | Deletes a product category. |
| Request Parameters | None |
| Json Response | {<br>  "message": "Category deleted successfully"<br>} |
| Status | 200 (OK) |
| Json File | |

- Update ProductCategory

| HTTP Method | PUT |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/categories/{idCategory} |
| Description | Updates category details. |
| Request Parameters | {<br>  "name": "Updated Name",<br>  "description": "Updated description"<br>} |
| Json Response | {<br>  "message": "Category updated successfully"<br>} |
| Status | 200 (OK) |
| Json File | |

- Get ProductCategory

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/categories |
| Description | Retrieves all product categories. |
| Request Parameters | None |
| Json Response | [<br>  {<br>    "idCategory": 1,<br>    "name": "Jars",<br>    "description": "Ceramic jars"<br>  }<br>] |
| Status | 200 (OK) |
| Json File | |

- Create Invoice

| HTTP Method | POST |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/invoices |
| Description | Generate an invoice for a customer's order |
| Request Parameters | {<br>  "order": "ORD456",<br>  "issueDate": "2025-06-22",<br>  "totalAmount": 85.00,<br>  "tax": 8.50,<br>  "discount": 5.00<br>} |
| Json Response | { "message": "Invoice generated successfully" } |
| Status | 201 Created |
| Json File | |

- Delete Invoice

| HTTP Method | DELETE |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/invoices/{idInvoices} |
| Description | Delete a shopping cart |
| Request Parameters | {<br>"idShoppingCar" : ""<br>} |
| Json Response | {"message":"Cart deleted successfully"} |
| Status | 200 (OK) |
| Json File | |

- Update Invoice

| HTTP Method | PUT |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/invoices/{idInvoices} |
| Description | Update the shopping cart total or customer |

| Request Parameters | {"total":250.00} |
|---|---|
| Json Response | {"message":"Cart updated successfully"} |
| Status | 200 (OK) |
| Json File | |

- Get Invoice

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/invoices/{idInvoices} |
| Description | View a specific invoice |
| Request Parameters | idInvoice |
| Json Response | {<br>  "idInvoice": "INV001",<br>  "order": "ORD456",<br>  "issueDate": "2025-06-22",<br>  "totalAmount": 85.00,<br>  "tax": 8.50,<br>  "discount": 5.00<br>} |
| Status | 200 OK |
| Json File | |

# URI's Business rule

- Total sales

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/total-sales |
| Description | Retrieve the total sales amount from all invoices. |
| Request Parameters | None |

| Json Response | { "totalSales": 5432.50 } |
|---|---|
| Status | 200 OK |
| Json File | |

- Best-selling products

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/most-sold-products |
| Description | Retrieve the top 5 most sold products by quantity. |
| Request Parameters | None |
| Json Response | { "topProducts": [ { productId, name, quantity }, ... ] } |
| Status | 200 OK |
| Json File | |

- Customers with the most spending

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/top-customers |
| Description | Retrieve top customers ranked by total spent. |
| Request Parameters | none |
| Json Response | { "topCustomers": [ { customerId, totalSpent }, ... ] } |
| Status | 200 OK |
| Json File | |

- Sales by category

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/category-sales |

| Description | Show total sold by product category. |
|---|---|
| Request Parameters | none |
| Json Response | { "categorySales": [ { category, total }, ... ] } |
| Status | 200 OK |
| Json File | |

- Monthly income

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/monthly-income |
| Description | Return grouped income by month. |
| Request Parameters | year (opcional, e.g., 2024) |
| Json Response | { "monthlyIncome": [ { month: "2024-05", total: 1234.56 }, ... ] } |
| Status | 200 OK |
| Json File | |

- Average payments

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/average-ticket |
| Description | Return average payment amount. |
| Request Parameters | None |
| Json Response | { "average": 64.25 } |
| Status | 200 OK |
| Json File | |

- Average invoice discounts

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/discount-average |
| Description | Return average discount across all invoices. |
| Request Parameters | None |
| Json Response | { "averageDiscount": 12.15 } |
| Status | 200 OK |
| Json File | |

● Total taxes collected

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/tax-collected |
| Description | Return total tax collected across all invoices. |
| Request Parameters | None |
| Json Response | { "totalTax": 934.00 } |
| Status | 200 OK |
| Json File | |

● Cart subtotal

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/cart/{cartId}/subtotal |
| Description | Return subtotal of a cart. |
| Request Parameters | cartId (in the URL) |
| Json Response | { "subtotal": 104.00 } |
| Status | 200 OK, 404 Not Found |
| Json File | |

- Number of products in an order

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.combarroco/stats/order/{orderId}/product-count |
| Description | Count total products in an order. |
| Request Parameters | { "count": 6 } |
| Json Response | orderId (en la URL) |
| Status | 200 OK, 404 Not Found |
| Json File | |

- Average order value

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/order/average-value |
| Description | Return average order value. |
| Request Parameters | None |
| Json Response | { "averageOrder": 85.50 } |
| Status | 200 OK |
| Json File | |

- Customer's last purchase

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/customer/{id}/last-purchase |
| Description | Return latest order made by customer. |
| Request Parameters | id (en la URL del cliente) |
| Json Response | { "orderId": "...", "date": "2024-06-10" } |

| | |
|---|---|
| Status | 200 OK, 404 Not Found |
| Json File | |

- Total spent per customer

| | |
|---|---|
| HTTP Method | GET |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/customer/{id}/total-spent |
| Description | Return total amount spent by a customer. |
| Request Parameters | id (in the client URL) |
| Json Response | { "totalSpent": 356.80 } |
| Status | 200 OK, 404 Not Found |
| Json File | |

- Customer Loyalty Score

| | |
|---|---|
| HTTP Method | GET |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/customer/{id}/loyalty-score |
| Description | Calculate loyalty score based on orders. |
| Request Parameters | id (in the client URL) |
| Json Response | { "score": 89 } |
| Status | 200 OK, 404 Not Found |
| Json File | |

- Stock status of a product

| | |
|---|---|
| HTTP Method | GET |
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/product/{id}/stock-status |

| Description | Return stock status (OK, low, out). |
|---|---|
| Request Parameters | id (in the product URL) |
| Json Response | { "status": "LOW" } |
| Status | 200 OK, 404 Not Found |
| Json File | |

- Products out of stock

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/product/low-stock |
| Description | Return all products under stock threshold. |
| Request Parameters | threshold (optional, default: 5) |
| Json Response | [ { "productId": "...", "stock": 3 }, ... ] |
| Status | 200 OK |
| Json File | |

- Product sales history

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/product/{id}/sales-history |
| Description | Return sales data grouped by month. |
| Request Parameters | id (in the product URL)<br>from, to (optional dates for the range) |
| Json Response | [ { month: "2024-05", sold: 12 }, ... ] |
| Status | 200 OK, 404 Not Found |
| Json File | |

- **Status of an order**

| HTTP Method | GET |
|---|---|

| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/order/{id}/status-history |
|---|---|
| Description | Return list of status changes on an order. |
| Request Parameters | id (in the product URL) |
| Json Response | [ { status: "Enviado", date: "2024-06-15" }, ... ] |
| Status | 200 OK, 404 Not Found |
| Json File | |

- Daily summary

| HTTP Method | GET |
|---|---|
| URI: | https://awd224062025htmlfrozonoinc-1.onrender.com/barroco/stats/reports/daily-summary |
| Description | Return daily report: orders, sales, products, payments. |
| Request Parameters | date |
| Json Response | { "orders": 4, "sales": 435.00, "productsSold": 12, ... } |
| Status | 200 OK |
| Json File | |