Contrato de Datos de la API REST

# URL Base

http://localhost:3000/api/v1

# Endpoints

## Auth → Manejo de autenticación

| **Método** | **Endpoint** | **Descripción** | **Request Body** | **Respuesta** |
| --- | --- | --- | --- | --- |
| POST | /auth/register | Registro de usuario | {name, email, password} | 201 Created + User Data |
| POST | /auth/login | Inicio de sesión | {email, password} | 200 OK + Token JWT |
| GET | /auth/profile | Obtener perfil | Token JWT (Header) | 200 OK + User Data |

## Users → Gestión de usuarios

| **Método** | **Endpoint** | **Descripción** | **Request Body** | **Respuesta** |
| --- | --- | --- | --- | --- |
| GET | /users/:id | Obtener usuario | - | 200 OK + User Data |
| PUT | /users/:id | Actualizar perfil | {name, email, address} | 200 OK + User Data |
| DELETE | /users/:id | Eliminar cuenta | - | 204 No Content |

## Favorites → Gestión de favoritos

| **Método** | **Endpoint** | **Descripción** | **Request Body** | **Respuesta** |
| --- | --- | --- | --- | --- |
| POST | /favorites | Agregar producto a favoritos | { product\_id } | 201 Created + Favorite Data |
| DELETE | /favorites/:product\_id | Eliminar producto de favoritos | - | 204 No Content |
| GET | /favorites | Obtener productos favoritos del usuario | Token JWT | 200 OK + Favorite List |

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## Products → Gestión de productos

| **Método** | **Endpoint** | **Descripción** | **Request Body** | **Respuesta** |
| --- | --- | --- | --- | --- |
| GET | /products | Listar productos (filtros: category, color, sku) | Query Params: category, color,sku | 200 OK + Product List |
| GET | /products/:id | Obtener producto | - | 200 OK + Product Data |
| POST | /products | Crear producto | {name, description, price, stock, category, image\_url, sku, color} | 201 Created + Product Data |
| PUT | /products/:id | Actualizar producto | {name, price, stock, category, color} | 200 OK + Product Data |
| DELETE | /products/:id | Eliminar producto | - | 204 No Content |

## Cart → Gestión del carro de compras

| **Método** | **Endpoint** | **Descripción** | **Request Body** | **Respuesta** |
| --- | --- | --- | --- | --- |
| GET | /cart | Obtener carrito | Token JWT | 200 OK + Cart Data |
| POST | /cart | Añadir producto | {product\_id, quantity} | 201 Created + Cart Item |
| PUT | /cart/:id | Actualizar cantidad | {quantity} | 200 OK + Cart Item |
| DELETE | /cart/:id | Eliminar producto | - | 204 No Content |

## Orders → Gestión de pedidos

| **Método** | **Endpoint** | **Descripción** | **Request Body** | **Respuesta** |
| --- | --- | --- | --- | --- |
| GET | /orders | Listar pedidos | Token JWT | 200 OK + Order List |
| GET | /orders/:id | Obtener pedido | Token JWT | 200 OK + Order Data |
| POST | /orders | Crear pedido | {cart\_id} | 201 Created + Order Data |
| PUT | /orders/:id | Actualizar estado | {status} | 200 OK + Order Data |

# Ejemplo JSON Response

## Usuario

| {  "id": 1,  "name": "Juan Pérez",  "email": "juan@gmail.com",  "role": "user",  "created\_at": "2025-03-07T10:30:00Z"  } |
| --- |

## Producto

| {  "id": 5,  "name": "Funko Pop Batman",  "description": "Figura coleccionable edición limitada",  "price": 29.99,  "stock": 10,  "category": "DC",  "SKU": "C32419234",  "color": "Negro",  "image\_url": "https://urlimagen.com/batman.png"  } |
| --- |

## Carrito

| {  "user\_id": 1,  "items": [  {  "product\_id": 5,  "quantity": 2,  "subtotal": 59.98  }  ],  "total": 59.98  } |
| --- |

## Pedido

| {  "id": 1001,  "user\_id": 1,  "total": 59.98,  "status": "paid",  "created\_at": "2025-03-07T11:00:00Z",  "details": [  {  "product\_id": 5,  "quantity": 2,  "subtotal": 59.98  }  ]  } |
| --- |

## Favoritos

| {  "user\_id": 1,  "favorites": [  {  "product\_id": 5,  "name": "Funko Pop Batman",  "category": "DC",  "price": 29.99,  "image\_url": "https://urlimagen.com/batman.png"  },  {  "product\_id": 8,  "name": "Funko Pop Spider-Man",  "category": "Marvel",  "price": 34.99,  "image\_url": "https://urlimagen.com/spiderman.png"  }  ]  } |
| --- |