

DOiT E-commerce API - Complete Documentation

Complete API documentation for the DOiT E-commerce platform. This document covers all public and admin endpoints with detailed request/response examples.

Base URL: `https://api.doit.com/api` (or `http://localhost:4000/api` for development)

Date Format: All dates are in ISO 8601 format (e.g., `2025-01-30T10:00:00Z`)

Currency: All monetary values are in EGP (Egyptian Pounds)

Language Support: Bilingual (English/Arabic) - most content has both `nameEn` and `nameAr` fields

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Authentication

Customer Authentication (OTP-based)

Send OTP

Endpoint: POST /auth/customer/send-otp

Public: Yes

Description: Sends a 6-digit OTP code to the customer's email. Creates customer account if doesn't exist.

Request Body:

```
{
  "email": "customer@example.com"
}
```

Response:

```
{
  "message": "OTP code sent successfully to your email"
}
```

Notes:

- In development, OTP is logged to console
- OTP expires in 10 minutes (configurable)
- Auto-creates customer account on first sign-in

Verify OTP

Endpoint: POST /auth/customer/verify-otp

Public: Yes

Description: Verifies OTP code and returns JWT access token.

Request Body:

```
{
  "email": "customer@example.com",
  "code": "123456"
}
```

Success Response:

```
{
  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",
  "user": {
    "id": "cm5abc123",
```

```
"email": "customer@example.com",
"fullName": "John Doe",
"role": "customer"
}
}
```

Error Responses:

```
{
  "statusCode": 401,
  "message": "Invalid or expired OTP code"
}
```

Admin Authentication (JWT-based)

Admin Login

Endpoint: POST /auth/admin/login

Public: Yes

Description: Admin login using adminId and password.

Request Body:

```
{
  "adminId": "admin001",
  "password": "Change@123"
}
```

Success Response:

```
{
  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",
  "user": {
    "id": "cm5xyz789",
    "email": "admin@doit.com",
    "role": "admin"
  }
}
```

Admin Reset Password Request

Endpoint: POST /auth/admin/reset-request

Public: Yes

Description: Sends password reset code to admin email.

Request Body:

```
{
  "adminCode": "admin001",
  "email": "admin@doit.com"
}
```

Success Response:

```
{
  "message": "Reset code sent to your email"
}
```

Admin Reset Password

Endpoint: POST /auth/admin/reset-password

Public: Yes

Description: Resets admin password using verification code.

Request Body:

```
{
  "adminCode": "admin001",
  "verificationCode": "123456",
  "newPassword": "NewSecure@123"
}
```

Password Requirements:

- Minimum 8 characters
- At least one uppercase letter
- At least one lowercase letter
- At least one number
- At least one special character

Success Response:

```
{
  "message": "Password reset successfully"
}
```



Public Endpoints

Products

Get All Products (with filtering and pagination)

Endpoint: GET /products

Public: Yes

Description: Browse products with advanced filtering, sorting, and pagination.

Query Parameters:

Parameter	Type	Default	Description
page	number	1	Page number
limit	number	20	Items per page (max 100)
sortBy	enum	featured	Sort order (see SortBy enum)
category	string	-	Filter by category ID
subCategory	string	-	Filter by subcategory ID
productList	string	-	Filter by product list ID
vendor	string	-	Filter by vendor name
gender	enum	-	Filter by gender (UNISEX, MEN, WOMEN, KIDS)
type	string	-	Filter by product type
search	string	-	Search by name, SKU
minPrice	number	-	Minimum price filter
maxPrice	number	-	Maximum price filter
colors	string	-	Comma-separated color filter
sizes	string	-	Comma-separated size filter
availability	enum	-	Filter by stock (in-stock, low-stock, out-of-stock)

Sort Options (sortBy):

- featured - Most viewed products (default)
- best-selling - Most ordered products
- a-z - Name ascending
- z-a - Name descending
- price-low - Price ascending
- price-high - Price descending
- date-old - Oldest first
- date-new - Newest first

Example Request:

```
GET /products?page=1&limit=20&sortBy=price-low&category=cm5cat123&minPrice=100&maxPrice=500&c
```

Success Response:

```
{
  "products": [
    {
      "id": "cm5prod123",
      "sku": "364U0w2",
      "nameEn": "BOUNCE SPORT RUNNING SHOES",
      "nameAr": "حذاء جري باونس سبورت",
      "descriptionEn": "Designed to follow the contour of your foot...",
      "descriptionAr": "مصمم ليتبع شكل قدمك..."
    }
  ]
}
```

```
"detailsEn": ["Regular fit", "Mesh upper", "Bounce midsole"],
"detailsAr": ["ملاءمة عادية", "جزء علوي شبكي", "نعل أوسط باونس"],
"basePrice": 1630,
"discountPercentage": 30,
"finalPrice": 1141,
"vendor": "Bounce",
"gender": "UNISEX",
"type": "RUNNING SHOES",
"status": "PUBLISHED",
"sizeChartUrl": "/uploads/size-charts/bounce.jpg",
"images": [
  {
    "id": "cm5img1",
    "url": "/uploads/products/bounce-1.jpg",
    "order": 0
  },
  {
    "id": "cm5img2",
    "url": "/uploads/products/bounce-2.jpg",
    "order": 1
  }
],
"colors": ["Black", "Pink"],
"sizes": ["EU- 35", "EU- 36", "EU- 37"],
"availability": "in-stock",
"totalStock": 50,
"viewCount": 245,
"createdAt": "2025-01-30T10:00:00Z",
"category": {
  "id": "cm5cat1",
  "nameEn": "Men",
  "nameAr": "رجال"
},
"subCategory": {
  "id": "cm5sub1",
  "nameEn": "Footwear",
  "nameAr": "أحذية"
},
"productList": {
  "id": "cm5list1",
  "nameEn": "Running",
  "nameAr": "جري"
}
},
"pagination": {
  "page": 1,
  "limit": 20,
  "total": 45,
  "totalPages": 3
}
```

Get Product by ID

Endpoint: GET /products/:id

Public: Yes

Description: Get detailed product information. Auto-increments view count.

URL Parameters:

- id - Product ID (required)

Example Request:

```
GET /products/cm5prod123
```

Success Response:

```
{
  "id": "cm5prod123",
  "sku": "364U0w2",
  "nameEn": "BOUNCE SPORT RUNNING SHOES",
  "nameAr": "حذاء جري باونس سبورت",
  "descriptionEn": "Designed to follow the contour of your foot. Cushioned to feel comfortable",
  "descriptionAr": "مصمم ليتبع شكل قدمك. مبطن ليشعرك بالراحة أثناء كل نشاط",
  "detailsEn": [
    "Regular fit",
    "Sandwich mesh upper",
    "Textile lining",
    "Bounce midsole"
  ],
  "detailsAr": [
    "ملاءمة عادية",
    "جزء علوي شبكي",
    "بطانة نسيجية",
    "نعل أوسط باونس"
  ],
  "basePrice": 1630,
  "discountPercentage": 30,
  "finalPrice": 1141,
  "vendor": "Bounce",
  "gender": "UNISEX",
  "type": "RUNNING SHOES",
  "status": "PUBLISHED",
  "sizeChartUrl": "/uploads/size-charts/bounce.jpg",
  "images": [
    {
      "id": "cm5img1",
      "url": "/uploads/products/bounce-1.jpg",
      "order": 0
    },
    {
      "id": "cm5img2",
```

```
"url": "/uploads/products/bounce-2.jpg",
"order": 1
},
],
"colors": ["Black", "Pink"],
"sizes": ["EU- 35", "EU- 36", "EU- 37"],
"availability": "in-stock",
"totalStock": 50,
"viewCount": 246,
"createdAt": "2025-01-30T10:00:00Z",
"category": {
  "id": "cm5cat1",
  "nameEn": "Men",
  "nameAr": "رجال"
},
"subCategory": {
  "id": "cm5sub1",
  "nameEn": "Footwear",
  "nameAr": "أحذية"
},
"productList": {
  "id": "cm5list1",
  "nameEn": "Running",
  "nameAr": "جري"
}
}
```

Error Response:

```
{
  "statusCode": 404,
  "message": "Product not found"
}
```

Get Featured Products

Endpoint: GET /products/featured

Public: Yes

Description: Get featured products based on admin configuration (auto-selected or manual).

Success Response:

```
[
  {
    "id": "cm5prod123",
    "sku": "364U0w2",
    "nameEn": "BOUNCE SPORT RUNNING SHOES",
    "nameAr": "حذاء جري باونس سبورت",
    "descriptionEn": "Premium running shoes...",
    "descriptionAr": "أحذية جري ممتازة..."
  }
]
```



```
"basePrice": 1630,  
"discountPercentage": 30,  
"finalPrice": 1141,  
"vendor": "Bounce",  
"gender": "UNISEX",  
"type": "RUNNING SHOES",  
"images": [...],  
"colors": ["Black", "Pink"],  
"sizes": ["EU- 35", "EU- 36"],  
"availability": "in-stock",  
"totalStock": 50,  
"viewCount": 246,  
"createdAt": "2025-01-30T10:00:00Z"  
}  
// ... more products (up to 9)  
]
```

Notes:

- Returns max 9 products
- If `autoChoose` is enabled: returns most viewed products
- If manual selection: returns admin-selected products
- Default: returns newest products

Categories

Get All Categories

Endpoint: `GET /categories`

Public: Yes

Description: Get all active categories with optional nested children.

Query Parameters:

Parameter	Type	Default	Description
<code>includeChildren</code>	boolean	false	Include subcategories and product lists

Example Request:

```
GET /categories?includeChildren=true
```

Success Response (with children):

```
[  
  {  
    "id": "cm5cat1",  
    "nameEn": "Men",  
    "nameAr": "رجال",  
    "icon": "/uploads/icons/men.svg",  
  }  
]
```

```
"status": true,
"subCategories": [
  {
    "id": "cm5sub1",
    "nameEn": "Footwear",
    "nameAr": "أحذية",
    "icon": "/uploads/icons/shoes.svg",
    "productLists": [
      {
        "id": "cm5list1",
        "nameEn": "Running",
        "nameAr": "جري"
      },
      {
        "id": "cm5list2",
        "nameEn": "Training",
        "nameAr": "تدريب"
      }
    ]
  },
  {
    "id": "cm5sub2",
    "nameEn": "Clothing",
    "nameAr": "ملابس",
    "icon": "/uploads/icons/clothing.svg",
    "productLists": [
      {
        "id": "cm5list3",
        "nameEn": "T-Shirts",
        "nameAr": "تيشيرتات"
      }
    ]
  }
],
{
  "id": "cm5cat2",
  "nameEn": "Women",
  "nameAr": "نساء",
  "icon": "/uploads/icons/women.svg",
  "status": true,
  "subCategories": []
}
]
```

Success Response (without children):

```
[
  {
    "id": "cm5cat1",
    "nameEn": "Men",
    "nameAr": "رجال",
    "icon": "/uploads/icons/men.svg",
```

```
"status": true
},
{
  "id": "cm5cat2",
  "nameEn": "Women",
  "nameAr": "نساء",
  "icon": "/uploads/icons/women.svg",
  "status": true
}
]
```

Get Category by ID

Endpoint: GET /categories/:id

Public: Yes

Description: Get single category with full hierarchy.

URL Parameters:

- id - Category ID (required)

Example Request:

```
GET /categories/cm5cat1
```

Success Response:

```
{
  "id": "cm5cat1",
  "nameEn": "Men",
  "nameAr": "رجال",
  "icon": "/uploads/icons/men.svg",
  "status": true,
  "subCategories": [
    {
      "id": "cm5sub1",
      "nameEn": "Footwear",
      "nameAr": "أحذية",
      "icon": "/uploads/icons/shoes.svg",
      "productLists": [
        {
          "id": "cm5list1",
          "nameEn": "Running",
          "nameAr": "جري"
        }
      ]
    }
  ]
}
```

Get Filter Options

Endpoint: GET /categories/filters

Public: Yes

Description: Get all available filter options for product filtering.

Success Response:

```
{
  "brands": ["Adidas", "Bounce", "Nike", "Puma", "Reebok"],
  "types": ["Football", "LIFESTYLE", "RUNNING SHOES", "T shirt", "TRAINING SHOES"],
  "genders": ["KIDS", "MEN", "UNISEX", "WOMEN"],
  "colors": ["Black", "Gray", "Multicolor", "Pink", "Red", "White"],
  "sizes": ["EU- 35", "EU- 36", "EU- 37", "EU- 40", "EU- 41", "EU- 42", "L", "M", "NS", "S",
}
```

Notes:

- All arrays are sorted alphabetically
- Values are distinct/unique
- Only includes options from published products

Content

Get Home Page Content

Endpoint: GET /content/home

Public: Yes

Description: Get all content for homepage (hero section, vendors, banners).

Success Response:

```
{
  "heroSection": {
    "id": "cm5hero1",
    "headlineEn": "ESSENTIAL ITEMS FOR",
    "headlineAr": "عناصر أساسية لـ",
    "descriptionEn": "Latest collection of premium sports gear",
    "descriptionAr": "أحدث مجموعة من معدات الرياضة الممتازة",
    "price": 990,
    "mainImageUrl": "/uploads/heroes/main-hero.jpg",
    "variantImages": [
      "/uploads/heroes/variant-1.jpg",
      "/uploads/heroes/variant-2.jpg"
    ],
    "ctaTextEn": "ADD TO CART",
    "ctaTextAr": "أضف إلى السلة",
    "ctaLink": "/products/cm5prod123"
```

```

},
"vendors": [
  {
    "id": "cm5vend1",
    "name": "Nike",
    "logoUrl": "/uploads/brands/brand1.jpg"
  },
  {
    "id": "cm5vend2",
    "name": "Adidas",
    "logoUrl": "/uploads/brands/brand2.jpg"
  }
],
"banners": [
  {
    "id": "cm5ban1",
    "imageUrl": "/uploads/banners/black-friday.png",
    "titleEn": "BLACK FRIDAY",
    "titleAr": "الجمعة السوداء",
    "link": "/offers/black-friday"
  },
  {
    "id": "cm5ban2",
    "imageUrl": "/uploads/banners/exclusive.png",
    "titleEn": "EXCLUSIVE OFFERS",
    "titleAr": "عروض حصرية",
    "link": "/offers/exclusive"
  }
]
}

```

Notes:

- Only returns active/visible content
- Hero section is singular (one active hero)
- Vendors and banners are ordered by `order` field

Get Active Popup Offer

Endpoint: `GET /content/popup-offer`

Public: Yes

Description: Get currently active popup offer for display.

Success Response:

```

{
  "id": "cm5popup1",
  "headlineEn": "WELCOME OFFER",
  "headlineAr": "عرض الترحيب",
  "subHeadlineEn": "Get 100 EGP OFF",

```

```
"subHeadlineAr": "احصل على خصم 100 جنيهة",  
"amount": 100,  
"voucherCode": "WELCOME100",  
"targetedUser": "first_time_customer",  
"imageUrl": "/uploads/popups/welcome.jpg"  
}
```

Response when no active popup:

```
null
```

Notes:

- Only returns offers within valid date range
- Only returns status=true offers
- Use for showing popup on page load

Guest Orders

Create Guest Order (No Login Required)

Endpoint: POST /orders/guest

Public: Yes

Description: Place an order without logging in. Creates customer account if email doesn't exist.

Request Body:

```
{  
  "items": [  
    {  
      "productId": "cm5prod123",  
      "color": "Black",  
      "size": "EU- 42",  
      "quantity": 2  
    },  
    {  
      "productId": "cm5prod456",  
      "color": "White",  
      "size": "M",  
      "quantity": 1  
    }  
  ],  
  "email": "guest@example.com",  
  "fullName": "Ahmed Hassan",  
  "phoneNumber": "+201234567890",  
  "addressLabel": "Home",  
  "fullAddress": "123 Main St, Nasr City, Cairo, Egypt",  
  "paymentMethod": "Cash on Delivery",  
  "notes": "Please call before delivery",  
}
```

```
"couponCode": "SUMMER25"
}
```

Success Response:

```
{
  "id": "cm5order123",
  "orderNumber": "#732365",
  "status": "ORDER_PLACED",
  "subtotal": 3450,
  "discount": 345,
  "shipping": 50,
  "total": 3155,
  "currency": "EGP",
  "paymentMethod": "Cash on Delivery",
  "deliveryDate": null,
  "trackingNumber": null,
  "notes": "Please call before delivery",
  "createdAt": "2025-02-08T10:30:00Z",
  "address": {
    "label": "Home",
    "fullAddress": "123 Main St, Nasr City, Cairo, Egypt"
  },
  "items": [
    {
      "id": "cm5item1",
      "productName": "BOUNCE SPORT RUNNING SHOES",
      "productImage": "/uploads/products/bounce-1.jpg",
      "sku": "364U0w2",
      "vendor": "Bounce",
      "type": "RUNNING SHOES",
      "gender": "UNISEX",
      "color": "Black",
      "size": "EU- 42",
      "price": 1141,
      "originalPrice": 1630,
      "quantity": 2,
      "discount": "30% OFF"
    },
    {
      "id": "cm5item2",
      "productName": "AlAhly 2025 Jersey",
      "productImage": "/uploads/products/jersey-1.jpg",
      "sku": "364U0w8",
      "vendor": "Adidas",
      "type": "T shirt",
      "gender": "MEN",
      "color": "White",
      "size": "M",
      "price": 1140,
      "quantity": 1
    }
  ]
}
```

```
]
}
```

Error Responses:

```
{
  "statusCode": 400,
  "message": "Insufficient stock for BOUNCE SPORT RUNNING SHOES. Available: 5, Requested: 10"
}
```

```
{
  "statusCode": 400,
  "message": "Product cm5prod999 not found or unavailable"
}
```

Notes:

- Auto-creates customer if email doesn't exist
 - Creates new address for each order
 - Validates stock availability before placing order
 - Applies coupon discount if valid
 - Fixed shipping: 50 EGP
 - Stock is decremented atomically in transaction
-

Track Guest Order

Endpoint: `GET /orders/track/:orderNumber`

Public: Yes

Description: Track order status using order number (no login required).

URL Parameters:

- `orderNumber` - Order number (e.g., #732365)

Example Request:

```
GET /orders/track/%23732365
```

Success Response:

```
{
  "id": "cm5order123",
  "orderNumber": "#732365",
  "status": "SHIPPED",
  "subtotal": 3450,
  "discount": 345,
  "shipping": 50,
```



```
"total": 3155,
"currency": "EGP",
"paymentMethod": "Cash on Delivery",
"deliveryDate": null,
"trackingNumber": "AX123456789",
"notes": "Please call before delivery",
"createdAt": "2025-02-08T10:30:00Z",
"address": {
  "label": "Home",
  "fullAddress": "123 Main St, Nasr City, Cairo, Egypt"
},
"items": [...]
}
```

Error Response:

```
{
  "statusCode": 404,
  "message": "Order not found"
}
```

Customer Endpoints

All customer endpoints require authentication:

```
Authorization: Bearer {customer-access-token}
```

Profile Management

Get Customer Profile

Endpoint: GET /customer/profile

Auth Required: Yes (Customer)

Description: Get current customer's profile with addresses and order stats.

Success Response:

```
{
  "id": "cm5cust123",
  "email": "customer@example.com",
  "fullName": "Ahmed Hassan",
  "phoneNumber": "+201234567890",
  "avatarUrl": "/uploads/avatars/ahmed.jpg",
  "status": "ACTIVE",
  "lastLogin": "2025-02-08T08:00:00Z",
  "createdAt": "2025-01-01T00:00:00Z",
  "addresses": [
```

```
{
  "id": "cm5addr1",
  "label": "Home",
  "fullAddress": "123 Main St, Nasr City, Cairo, Egypt",
  "createdAt": "2025-01-01T00:00:00Z"
},
{
  "id": "cm5addr2",
  "label": "Work",
  "fullAddress": "456 Office Tower, Maadi, Cairo, Egypt",
  "createdAt": "2025-01-15T00:00:00Z"
}
],
"totalOrders": 12,
"totalSpending": 15000
}
```

Update Customer Profile

Endpoint: PUT /customer/profile

Auth Required: Yes (Customer)

Description: Update customer profile information.

Request Body:

```
{
  "fullName": "Ahmed Hassan Mohamed",
  "phoneNumber": "+201234567890",
  "avatarUrl": "/uploads/avatars/new-avatar.jpg"
}
```

Success Response:

```
{
  "id": "cm5cust123",
  "email": "customer@example.com",
  "fullName": "Ahmed Hassan Mohamed",
  "phoneNumber": "+201234567890",
  "avatarUrl": "/uploads/avatars/new-avatar.jpg",
  "status": "ACTIVE",
  "lastLogin": "2025-02-08T08:00:00Z",
  "createdAt": "2025-01-01T00:00:00Z",
  "addresses": [...],
  "totalOrders": 12,
  "totalSpending": 15000
}
```

Notes:

- Email cannot be changed

- All fields are optional
- Phone number can be set to null to clear

Addresses

Get All Addresses

Endpoint: `GET /customer/addresses`

Auth Required: Yes (Customer)

Description: Get all addresses for current customer.

Success Response:

```
[
  {
    "id": "cm5addr1",
    "label": "Home",
    "fullAddress": "123 Main St, Nasr City, Cairo, Egypt",
    "createdAt": "2025-01-01T00:00:00Z"
  },
  {
    "id": "cm5addr2",
    "label": "Work",
    "fullAddress": "456 Office Tower, Maadi, Cairo, Egypt",
    "createdAt": "2025-01-15T00:00:00Z"
  }
]
```

Create Address

Endpoint: `POST /customer/addresses`

Auth Required: Yes (Customer)

Description: Add new address for current customer.

Request Body:

```
{
  "label": "Parents House",
  "fullAddress": "789 Family St, Heliopolis, Cairo, Egypt"
}
```

Success Response:

```
{
  "id": "cm5addr3",
  "label": "Parents House",
  "fullAddress": "789 Family St, Heliopolis, Cairo, Egypt",
}
```

```
"createdAt": "2025-02-08T10:00:00Z"
}
```

Update Address

Endpoint: PUT /customer/addresses/:id

Auth Required: Yes (Customer)

Description: Update existing address.

URL Parameters:

- id - Address ID

Request Body:

```
{
  "label": "Office",
  "fullAddress": "Updated Office Address, New Cairo, Egypt"
}
```

Success Response:

```
{
  "id": "cm5addr2",
  "label": "Office",
  "fullAddress": "Updated Office Address, New Cairo, Egypt",
  "createdAt": "2025-01-15T00:00:00Z"
}
```

Error Response:

```
{
  "statusCode": 403,
  "message": "Address not found or unauthorized"
}
```

Delete Address

Endpoint: DELETE /customer/addresses/:id

Auth Required: Yes (Customer)

Description: Delete address.

URL Parameters:

- id - Address ID

Success Response:

Error Response:

```
{
  "statusCode": 403,
  "message": "Address not found or unauthorized"
}
```

Wishlist

Get Wishlist

Endpoint: GET /wishlist

Auth Required: Yes (Customer)

Description: Get all items in customer's wishlist.

Success Response:

```
[
  {
    "id": "cm5wish1",
    "productId": "cm5prod123",
    "product": {
      "id": "cm5prod123",
      "nameEn": "BOUNCE SPORT RUNNING SHOES",
      "nameAr": "حذاء جري باونس سبورت",
      "basePrice": 1630,
      "discountPercentage": 30,
      "finalPrice": 1141,
      "images": ["/uploads/products/bounce-1.jpg"],
      "vendor": "Bounce",
      "availability": "in-stock"
    },
    "createdAt": "2025-02-01T10:00:00Z"
  },
  {
    "id": "cm5wish2",
    "productId": "cm5prod456",
    "product": {
      "id": "cm5prod456",
      "nameEn": "Nike Air Max",
      "nameAr": "نايك إير ماكس",
      "basePrice": 1300,
      "discountPercentage": 0,
      "finalPrice": 1300,
      "images": ["/uploads/products/nike-1.jpg"],
      "vendor": "Nike",
      "availability": "low-stock"
    }
  }
]
```

```
},
  "createdAt": "2025-02-05T14:30:00Z"
}
]
```

Add to Wishlist

Endpoint: POST /wishlist

Auth Required: Yes (Customer)

Description: Add product to wishlist.

Request Body:

```
{
  "productId": "cm5prod789"
}
```

Success Response:

```
{
  "id": "cm5wish3",
  "productId": "cm5prod789",
  "product": {
    "id": "cm5prod789",
    "nameEn": "AlAhly 2025 Jersey",
    "nameAr": "قميص الأهلي 2025",
    "basePrice": 1140,
    "discountPercentage": 0,
    "finalPrice": 1140,
    "images": ["/uploads/products/jersey-1.jpg"],
    "vendor": "Adidas",
    "availability": "in-stock"
  },
  "createdAt": "2025-02-08T11:00:00Z"
}
```

Error Responses:

```
{
  "statusCode": 404,
  "message": "Product not found"
}
```

```
{
  "statusCode": 409,
  "message": "Product already in wishlist"
}
```

Remove from Wishlist

Endpoint: `DELETE /wishlist/:productId`

Auth Required: Yes (Customer)

Description: Remove product from wishlist.

URL Parameters:

- `productId` - Product ID

Success Response:

```
204 No Content
```

Error Response:

```
{
  "statusCode": 404,
  "message": "Item not found in wishlist"
}
```

Clear Wishlist

Endpoint: `DELETE /wishlist`

Auth Required: Yes (Customer)

Description: Remove all items from wishlist.

Success Response:

```
204 No Content
```

Customer Orders

Create Order (Authenticated Customer)

Endpoint: `POST /orders`

Auth Required: Yes (Customer)

Description: Place order as authenticated customer.

Request Body:

```
{
  "items": [
    {
      "productId": "cm5prod123",
      "color": "Black",
```

```
    "size": "EU- 42",
    "quantity": 2
  }
],
"addressId": "cm5addr1",
"paymentMethod": "Cash on Delivery",
"notes": "Please call before delivery",
"couponCode": "SUMMER25"
}
```

Success Response:

```
{
  "id": "cm5order456",
  "orderNumber": "#845621",
  "status": "ORDER_PLACED",
  "subtotal": 2282,
  "discount": 228.2,
  "shipping": 50,
  "total": 2103.8,
  "currency": "EGP",
  "paymentMethod": "Cash on Delivery",
  "deliveryDate": null,
  "trackingNumber": null,
  "notes": "Please call before delivery",
  "createdAt": "2025-02-08T11:30:00Z",
  "address": {
    "label": "Home",
    "fullAddress": "123 Main St, Nasr City, Cairo, Egypt"
  },
  "items": [
    {
      "id": "cm5item3",
      "productName": "BOUNCE SPORT RUNNING SHOES",
      "productImage": "/uploads/products/bounce-1.jpg",
      "sku": "364U0w2",
      "vendor": "Bounce",
      "type": "RUNNING SHOES",
      "gender": "UNISEX",
      "color": "Black",
      "size": "EU- 42",
      "price": 1141,
      "originalPrice": 1630,
      "quantity": 2,
      "discount": "30% OFF"
    }
  ]
}
```

Notes:

- Uses existing customer addresses

- Customer info auto-filled from profile
- Same stock validation as guest checkout

Get Customer Orders

Endpoint: `GET /orders`

Auth Required: Yes (Customer)

Description: Get all orders for current customer with pagination.

Query Parameters:

Parameter	Type	Default	Description
page	number	1	Page number
limit	number	20	Items per page
status	string	all	Filter by status

Status Options:

- `all` - All orders
- `order-placed` - New orders
- `processed` - Being prepared
- `shipped` - In transit
- `delivered` - Completed
- `cancelled` - Cancelled orders

Example Request:

```
GET /orders?page=1&limit=10&status=shipped
```

Success Response:

```
{
  "orders": [
    {
      "id": "cm5order456",
      "orderNumber": "#845621",
      "status": "SHIPPED",
      "subtotal": 2282,
      "discount": 228.2,
      "shipping": 50,
      "total": 2103.8,
      "currency": "EGP",
      "paymentMethod": "Cash on Delivery",
      "deliveryDate": null,
      "trackingNumber": "AX987654321",
      "createdAt": "2025-02-08T11:30:00Z",
      "address": {
        "label": "Home",
        "fullAddress": "123 Main St, Nasr City, Cairo, Egypt"
      }
    }
  ]
}
```

```
    },
    "items": [...]
  }
],
"pagination": {
  "page": 1,
  "limit": 10,
  "total": 25,
  "totalPages": 3
}
}
```

Get Order by ID

Endpoint: GET /orders/:id

Auth Required: Yes (Customer)

Description: Get detailed order information.

URL Parameters:

- id - Order ID

Success Response:

```
{
  "id": "cm5order456",
  "orderNumber": "#845621",
  "status": "SHIPPED",
  "subtotal": 2282,
  "discount": 228.2,
  "shipping": 50,
  "total": 2103.8,
  "currency": "EGP",
  "paymentMethod": "Cash on Delivery",
  "deliveryDate": null,
  "trackingNumber": "AX987654321",
  "notes": "Please call before delivery",
  "createdAt": "2025-02-08T11:30:00Z",
  "address": {
    "label": "Home",
    "fullAddress": "123 Main St, Nasr City, Cairo, Egypt"
  },
  "items": [
    {
      "id": "cm5item3",
      "productName": "BOUNCE SPORT RUNNING SHOES",
      "productImage": "/uploads/products/bounce-1.jpg",
      "sku": "364U0w2",
      "vendor": "Bounce",
      "type": "RUNNING SHOES",
      "gender": "UNISEX",
```

```
    "color": "Black",
    "size": "EU- 42",
    "price": 1141,
    "originalPrice": 1630,
    "quantity": 2,
    "discount": "30% OFF"
  }
]
```

Error Responses:

```
{
  "statusCode": 404,
  "message": "Order not found"
}
```

```
{
  "statusCode": 403,
  "message": "Unauthorized"
}
```

Admin Endpoints

All admin endpoints require admin authentication:

```
Authorization: Bearer {admin-access-token}
```

Admin Products

Get All Products (Admin View)

Endpoint: GET /admin/products

Auth Required: Yes (Admin)

Description: Get all products with admin-specific fields and filters.

Query Parameters:

Parameter	Type	Default	Description
page	number	1	Page number
limit	number	20	Items per page (max 100)
search	string	-	Search by name, SKU, vendor
status	enum	-	Filter by status (PUBLISHED, UNPUBLISHED, DRAFT)
category	string	-	Filter by category ID

Example Request:

```
GET /admin/products?page=1&limit=20&search=nike&status=PUBLISHED&category=cm5cat1
```

Success Response:

```
{
  "products": [
    {
      "id": "cm5prod123",
      "sku": "364U0w2",
      "nameEn": "BOUNCE SPORT RUNNING SHOES",
      "nameAr": "حذاء جري باونس سبورت",
      "basePrice": 1630,
      "discountPercentage": 30,
      "vendor": "Bounce",
      "type": "RUNNING SHOES",
      "status": "PUBLISHED",
      "totalStock": 50,
      "availability": "In Stock",
      "viewCount": 245,
      "totalOrders": 12,
      "createdAt": "2025-01-30T10:00:00Z",
      "category": "Men",
      "subCategory": "Footwear",
      "productList": "Running"
    }
  ],
  "pagination": {
    "page": 1,
    "limit": 20,
    "total": 45,
    "totalPages": 3
  }
}
```

Availability Values:

- In Stock - totalStock > 10
- Low Stock - totalStock 1-10
- Out of Stock - totalStock = 0

Get Product by ID (Admin View)

Endpoint: GET /admin/products/:id

Auth Required: Yes (Admin)

Description: Get complete product details including all variants.

URL Parameters:

- id - Product ID

Success Response:

```
{
  "id": "cm5prod123",
  "productListId": "cm5list1",
  "sku": "364U0w2",
  "nameEn": "BOUNCE SPORT RUNNING SHOES",
  "nameAr": "حذاء جري باونس سبورت",
  "descriptionEn": "Designed to follow the contour of your foot...",
  "descriptionAr": "مصمم ليتبع شكل قدمك...",
  "detailsEn": ["Regular fit", "Mesh upper", "Bounce midsole"],
  "detailsAr": ["ملاءمة عادية", "جزء علوي شبكي", "نعل أوسط باونس"],
  "basePrice": 1630,
  "discountPercentage": 30,
  "vendor": "Bounce",
  "gender": "UNISEX",
  "type": "RUNNING SHOES",
  "status": "PUBLISHED",
  "sizeChartUrl": "/uploads/size-charts/bounce.jpg",
  "viewCount": 245,
  "createdAt": "2025-01-30T10:00:00Z",
  "updatedAt": "2025-02-01T14:20:00Z",
  "images": [
    {
      "id": "cm5img1",
      "url": "/uploads/products/bounce-1.jpg",
      "order": 0,
      "createdAt": "2025-01-30T10:00:00Z"
    },
    {
      "id": "cm5img2",
      "url": "/uploads/products/bounce-2.jpg",
      "order": 1,
      "createdAt": "2025-01-30T10:00:00Z"
    }
  ],
  "variants": [
    {
      "id": "cm5var1",
      "color": "Black",
      "size": "EU- 35",
      "quantity": 15,
      "createdAt": "2025-01-30T10:00:00Z"
    },
    {
      "id": "cm5var2",
      "color": "Black",
      "size": "EU- 36",
      "quantity": 12,
      "createdAt": "2025-01-30T10:00:00Z"
    },
    {
      "id": "cm5var3",
```

```
        "color": "Pink",
        "size": "EU- 35",
        "quantity": 10,
        "createdAt": "2025-01-30T10:00:00Z"
    }
],
"productList": {
    "id": "cm5list1",
    "nameEn": "Running",
    "nameAr": "جري",
    "subCategory": {
        "id": "cm5sub1",
        "nameEn": "Footwear",
        "nameAr": "أحذية",
        "category": {
            "id": "cm5cat1",
            "nameEn": "Men",
            "nameAr": "رجال"
        }
    }
}
}
```

Create Product

Endpoint: POST /admin/products

Auth Required: Yes (Admin)

Description: Create new product with images and variants.

Request Body:

```
{
  "productListId": "cm5list1",
  "sku": "NIKE123",
  "nameEn": "Nike Air Max 2025",
  "nameAr": "نايك إير ماكس 2025",
  "descriptionEn": "Premium running shoes with Air Max technology",
  "descriptionAr": "أحذية جري ممتازة بتقنية إير ماكس",
  "detailsEn": [
    "Regular fit",
    "Mesh upper",
    "Air Max cushioning"
  ],
  "detailsAr": [
    "ملاءمة عادية",
    "جزء علوي شبكي",
    "توسيد إير ماكس"
  ],
  "basePrice": 1500,
  "discountPercentage": 20,
  "vendor": "Nike",
}
```

```

"gender": "MEN",
"type": "RUNNING SHOES",
"status": "PUBLISHED",
"sizeChartUrl": "/uploads/size-charts/nike.jpg",
"imageUrls": [
  "/uploads/products/nike-air-1.jpg",
  "/uploads/products/nike-air-2.jpg",
  "/uploads/products/nike-air-3.jpg"
],
"variants": [
  {
    "color": "Black",
    "size": "EU- 42",
    "quantity": 20
  },
  {
    "color": "Black",
    "size": "EU- 43",
    "quantity": 15
  },
  {
    "color": "White",
    "size": "EU- 42",
    "quantity": 10
  },
  {
    "color": "White",
    "size": "EU- 43",
    "quantity": 8
  }
]
}

```

Field Requirements:

- `productListId` - Must exist (required)
- `sku` - Must be unique (required)
- `nameEn` , `nameAr` - Required
- `descriptionEn` , `descriptionAr` - Optional
- `detailsEn` , `detailsAr` - Array of strings (optional)
- `basePrice` - Required, must be > 0
- `discountPercentage` - Required, 0-100
- `vendor` - Required
- `gender` - Enum: UNISEX, MEN, WOMEN, KIDS
- `type` - Required
- `status` - Enum: PUBLISHED, UNPUBLISHED, DRAFT
- `sizeChartUrl` - Optional
- `imageUrls` - Array of image URLs (required, min 1)
- `variants` - Array of variants (required, min 1)

Success Response:

```
{
  "id": "cm5prod999",
  "sku": "NIKE123",
  "nameEn": "Nike Air Max 2025",
  "nameAr": "نايك إير ماكس 2025",
  "basePrice": 1500,
  "discountPercentage": 20,
  "vendor": "Nike",
  "type": "RUNNING SHOES",
  "status": "PUBLISHED",
  "totalStock": 53,
  "availability": "In Stock",
  "viewCount": 0,
  "totalOrders": 0,
  "createdAt": "2025-02-08T12:00:00Z",
  "category": "Men",
  "subCategory": "Footwear",
  "productList": "Running"
}
```

Error Responses:

```
{
  "statusCode": 409,
  "message": "SKU already exists"
}
```

```
{
  "statusCode": 404,
  "message": "Product list not found"
}
```

Update Product

Endpoint: PUT /admin/products/:id

Auth Required: Yes (Admin)

Description: Update product information, images, and/or variants.

URL Parameters:

- id - Product ID

Request Body (all fields optional):

```
{
  "productListId": "cm5list2",
  "nameEn": "Updated Product Name",
  "nameAr": "المنتج المحدّث",
  "basePrice": 1500,
  "discountPercentage": 20,
  "vendor": "Nike",
  "type": "RUNNING SHOES",
  "status": "PUBLISHED",
  "totalStock": 53,
  "availability": "In Stock",
  "viewCount": 0,
  "totalOrders": 0,
  "createdAt": "2025-02-08T12:00:00Z",
  "category": "Men",
  "subCategory": "Footwear",
  "productList": "Running"
}
```



```

"nameAr": "اسم المنتج المحدث",
"descriptionEn": "Updated description",
"descriptionAr": "وصف محدث",
"detailsEn": ["New detail 1", "New detail 2"],
"detailsAr": ["تفصيل جديد 1", "تفصيل جديد 2"],
"basePrice": 1600,
"discountPercentage": 25,
"vendor": "Nike",
"gender": "WOMEN",
"type": "TRAINING SHOES",
"status": "UNPUBLISHED",
"sizeChartUrl": "/uploads/size-charts/updated.jpg",
"imageUrls": [
  "/uploads/products/new-image-1.jpg",
  "/uploads/products/new-image-2.jpg"
],
"variants": [
  {
    "color": "Red",
    "size": "EU- 38",
    "quantity": 25
  }
]
}

```

Success Response:

```

{
  "id": "cm5prod123",
  "sku": "364U0w2",
  "nameEn": "Updated Product Name",
  "nameAr": "اسم المنتج المحدث",
  "basePrice": 1600,
  "discountPercentage": 25,
  "vendor": "Nike",
  "type": "TRAINING SHOES",
  "status": "UNPUBLISHED",
  "totalStock": 25,
  "availability": "In Stock",
  "viewCount": 245,
  "totalOrders": 12,
  "createdAt": "2025-01-30T10:00:00Z",
  "category": "Men",
  "subCategory": "Footwear",
  "productList": "Training"
}

```

Notes:

- If `imageUrls` provided: replaces all images
- If `variants` provided: replaces all variants
- SKU cannot be changed

- All other fields optional

Delete Product

Endpoint: `DELETE /admin/products/:id`

Auth Required: Yes (Admin)

Description: Delete product (only if no orders exist).

URL Parameters:

- `id` - Product ID

Success Response:

```
204 No Content
```

Error Responses:

```
{
  "statusCode": 404,
  "message": "Product not found"
}
```

```
{
  "statusCode": 409,
  "message": "Cannot delete product with existing orders. Set status to UNPUBLISHED instead."
}
```

Admin Categories

Get All Categories (Admin View)

Endpoint: `GET /admin/categories`

Auth Required: Yes (Admin)

Description: Get all categories with statistics.

Success Response:

```
[
  {
    "id": "cm5cat1",
    "nameEn": "Men",
    "nameAr": "رجال",
    "icon": "/uploads/icons/men.svg",
    "status": true,
    "order": 1,
  }
]
```

```
"totalSubCategories": 2,  
"totalProducts": 45,  
"createdAt": "2025-01-01T00:00:00Z"  
},  
{  
  "id": "cm5cat2",  
  "nameEn": "Women",  
  "nameAr": "نساء",  
  "icon": "/uploads/icons/women.svg",  
  "status": true,  
  "order": 2,  
  "totalSubCategories": 3,  
  "totalProducts": 32,  
  "createdAt": "2025-01-01T00:00:00Z"  
}  
]
```

Get Category by ID (Admin View)

Endpoint: GET /admin/categories/:id

Auth Required: Yes (Admin)

Description: Get complete category hierarchy.

URL Parameters:

- id - Category ID

Success Response:

```
{  
  "id": "cm5cat1",  
  "nameEn": "Men",  
  "nameAr": "رجال",  
  "icon": "/uploads/icons/men.svg",  
  "status": true,  
  "order": 1,  
  "createdAt": "2025-01-01T00:00:00Z",  
  "updatedAt": "2025-01-01T00:00:00Z",  
  "subCategories": [  
    {  
      "id": "cm5sub1",  
      "categoryId": "cm5cat1",  
      "nameEn": "Footwear",  
      "nameAr": "أحذية",  
      "icon": "/uploads/icons/shoes.svg",  
      "order": 1,  
      "createdAt": "2025-01-01T00:00:00Z",  
      "updatedAt": "2025-01-01T00:00:00Z",  
      "productLists": [  
        {  
          "id": "cm5list1",  

```

```
      "subCategoryId": "cm5sub1",
      "nameEn": "Running",
      "nameAr": "جري",
      "order": 1,
      "createdAt": "2025-01-01T00:00:00Z",
      "updatedAt": "2025-01-01T00:00:00Z"
    }
  ]
}
]
```

Create Category

Endpoint: POST /admin/categories

Auth Required: Yes (Admin)

Description: Create new category.

Request Body:

```
{
  "nameEn": "Kids",
  "nameAr": "أطفال",
  "icon": "/uploads/icons/kids.svg",
  "status": true,
  "order": 3
}
```

Field Requirements:

- nameEn , nameAr - Required
- icon - Optional
- status - Optional, default: true
- order - Optional, default: 0

Success Response:

```
{
  "id": "cm5cat3",
  "nameEn": "Kids",
  "nameAr": "أطفال",
  "icon": "/uploads/icons/kids.svg",
  "status": true,
  "order": 3,
  "totalSubCategories": 0,
  "totalProducts": 0,
  "createdAt": "2025-02-08T12:30:00Z"
}
```

Update Category

Endpoint: PUT /admin/categories/:id

Auth Required: Yes (Admin)

Description: Update category information.

URL Parameters:

- id - Category ID

Request Body (all fields optional):

```
{
  "nameEn": "Updated Category Name",
  "nameAr": "اسم الفئة المحدث",
  "icon": "/uploads/icons/new-icon.svg",
  "status": false,
  "order": 5
}
```

Success Response:

```
{
  "id": "cm5cat1",
  "nameEn": "Updated Category Name",
  "nameAr": "اسم الفئة المحدث",
  "icon": "/uploads/icons/new-icon.svg",
  "status": false,
  "order": 5,
  "totalSubCategories": 2,
  "totalProducts": 45,
  "createdAt": "2025-01-01T00:00:00Z"
}
```

Delete Category

Endpoint: DELETE /admin/categories/:id

Auth Required: Yes (Admin)

Description: Delete category (only if no products exist).

URL Parameters:

- id - Category ID

Success Response:

```
204 No Content
```

Error Response:

```
{
  "statusCode": 409,
  "message": "Cannot delete category with existing products"
}
```

Create SubCategory

Endpoint: POST /admin/categories/subcategories

Auth Required: Yes (Admin)

Description: Create new subcategory under a category.

Request Body:

```
{
  "categoryId": "cm5cat1",
  "nameEn": "Accessories",
  "nameAr": "إكسسوارات",
  "icon": "/uploads/icons/accessories.svg",
  "order": 3
}
```

Field Requirements:

- categoryId - Required, must exist
- nameEn , nameAr - Required
- icon - Optional
- order - Optional, default: 0

Success Response:

```
{
  "id": "cm5sub3",
  "categoryId": "cm5cat1",
  "nameEn": "Accessories",
  "nameAr": "إكسسوارات",
  "icon": "/uploads/icons/accessories.svg",
  "order": 3,
  "createdAt": "2025-02-08T13:00:00Z",
  "updatedAt": "2025-02-08T13:00:00Z",
  "category": {
    "id": "cm5cat1",
    "nameEn": "Men",
    "nameAr": "رجال"
  },
  "productLists": []
}
```

Update SubCategory

Endpoint: PUT /admin/categories/subcategories/:id

Auth Required: Yes (Admin)

Description: Update subcategory information.

URL Parameters:

- id - SubCategory ID

Request Body (all fields optional):

```
{
  "nameEn": "Updated SubCategory",
  "nameAr": "فئة فرعية محدثة",
  "icon": "/uploads/icons/new-icon.svg",
  "order": 5
}
```

Success Response:

```
{
  "id": "cm5sub1",
  "categoryId": "cm5cat1",
  "nameEn": "Updated SubCategory",
  "nameAr": "فئة فرعية محدثة",
  "icon": "/uploads/icons/new-icon.svg",
  "order": 5,
  "createdAt": "2025-01-01T00:00:00Z",
  "updatedAt": "2025-02-08T13:30:00Z",
  "category": {...},
  "productLists": [...]
}
```

Delete SubCategory

Endpoint: DELETE /admin/categories/subcategories/:id

Auth Required: Yes (Admin)

Description: Delete subcategory (only if no products exist).

URL Parameters:

- id - SubCategory ID

Success Response:

```
204 No Content
```

Error Response:

```
{
  "statusCode": 409,
  "message": "Cannot delete subcategory with existing products"
}
```

Create Product List

Endpoint: POST /admin/categories/product-lists

Auth Required: Yes (Admin)

Description: Create new product list under a subcategory.

Request Body:

```
{
  "subCategoryId": "cm5sub1",
  "nameEn": "Basketball",
  "nameAr": "كرة سلة",
  "order": 4
}
```

Field Requirements:

- subCategoryId - Required, must exist
- nameEn , nameAr - Required
- order - Optional, default: 0

Success Response:

```
{
  "id": "cm5list4",
  "subCategoryId": "cm5sub1",
  "nameEn": "Basketball",
  "nameAr": "كرة سلة",
  "order": 4,
  "createdAt": "2025-02-08T14:00:00Z",
  "updatedAt": "2025-02-08T14:00:00Z",
  "subCategory": {
    "id": "cm5sub1",
    "nameEn": "Footwear",
    "nameAr": "أحذية",
    "category": {
      "id": "cm5cat1",
      "nameEn": "Men",
      "nameAr": "رجال"
    }
  }
},
```



```
"products": []  
}
```

Update Product List

Endpoint: PUT /admin/categories/product-lists/:id

Auth Required: Yes (Admin)

Description: Update product list information.

URL Parameters:

- id - ProductList ID

Request Body (all fields optional):

```
{  
  "nameEn": "Updated Product List",  
  "nameAr": "قائمة منتجات محدثة",  
  "order": 6  
}
```

Success Response:

```
{  
  "id": "cm5list1",  
  "subCategoryId": "cm5sub1",  
  "nameEn": "Updated Product List",  
  "nameAr": "قائمة منتجات محدثة",  
  "order": 6,  
  "createdAt": "2025-01-01T00:00:00Z",  
  "updatedAt": "2025-02-08T14:30:00Z",  
  "subCategory": {...},  
  "products": [...]  
}
```

Delete Product List

Endpoint: DELETE /admin/categories/product-lists/:id

Auth Required: Yes (Admin)

Description: Delete product list (only if no products exist).

URL Parameters:

- id - ProductList ID

Success Response:

```
204 No Content
```

Error Response:

```
{
  "statusCode": 409,
  "message": "Cannot delete product list with existing products"
}
```

Admin Orders

Get All Orders (Admin View)

Endpoint: GET /admin/orders

Auth Required: Yes (Admin)

Description: Get all orders with filtering and statistics.

Query Parameters:

Parameter	Type	Default	Description
page	number	1	Page number
limit	number	20	Items per page
status	string	all	Filter by status
search	string	-	Search by order number, customer name, email

Status Options:

- all - All orders
- order-placed - ORDER_PLACED
- processed - PROCESSED
- shipped - SHIPPED
- delivered - DELIVERED
- cancelled - CANCELLED

Example Request:

```
GET /admin/orders?page=1&limit=20&status=in-progress&search=john
```

Success Response:

```
{
  "orders": [
    {
      "id": "cm5order123",
      "orderNumber": "#732365",
      "customer": {
        "id": "cm5cust456",
        "fullName": "John Doe",

```

```
    "email": "john@example.com"
  },
  "status": "PROCESSED",
  "itemsCount": 3,
  "total": 3450,
  "currency": "EGP",
  "paymentMethod": "Cash on Delivery",
  "deliveryDate": null,
  "trackingNumber": null,
  "createdAt": "2025-01-25T10:00:00Z",
  "address": {
    "label": "Home",
    "fullAddress": "123 Main St, Cairo, Egypt"
  },
  "items": [
    {
      "id": "cm5item1",
      "productName": "BOUNCE SPORT RUNNING SHOES",
      "productImage": "/uploads/products/bounce-1.jpg",
      "sku": "364U0w2",
      "vendor": "Bounce",
      "color": "Black",
      "size": "EU- 42",
      "price": 1141,
      "quantity": 2
    }
  ],
  "statusHistory": [
    {
      "status": "ORDER_PLACED",
      "notes": "Order placed successfully",
      "createdAt": "2025-01-25T10:00:00Z"
    },
    {
      "status": "PROCESSED",
      "notes": "Order is being prepared",
      "createdAt": "2025-01-25T14:30:00Z"
    }
  ]
},
"pagination": {
  "page": 1,
  "limit": 20,
  "total": 150,
  "totalPages": 8
},
"stats": {
  "totalOrders": 150,
  "activeOrders": 45,
  "completedOrders": 95,
  "cancelledOrders": 10,
  "totalRevenue": 125000
}
```

```
}  
}
```

Get Order by ID (Admin View)

Endpoint: GET /admin/orders/:id

Auth Required: Yes (Admin)

Description: Get complete order details including customer info.

URL Parameters:

- id - Order ID

Success Response:

```
{  
  "id": "cm5order123",  
  "orderNumber": "#732365",  
  "customer": {  
    "id": "cm5cust456",  
    "fullName": "John Doe",  
    "email": "john@example.com"  
  },  
  "status": "PROCESSED",  
  "itemsCount": 3,  
  "total": 3450,  
  "currency": "EGP",  
  "paymentMethod": "Cash on Delivery",  
  "deliveryDate": null,  
  "trackingNumber": null,  
  "createdAt": "2025-01-25T10:00:00Z",  
  "address": {  
    "label": "Home",  
    "fullAddress": "123 Main St, Cairo, Egypt"  
  },  
  "items": [  
    {  
      "id": "cm5item1",  
      "productName": "BOUNCE SPORT RUNNING SHOES",  
      "productImage": "/uploads/products/bounce-1.jpg",  
      "sku": "364U0w2",  
      "vendor": "Bounce",  
      "color": "Black",  
      "size": "EU- 42",  
      "price": 1141,  
      "quantity": 2  
    }  
  ],  
  "statusHistory": [  
    {  
      "status": "ORDER_PLACED",
```

```
"notes": "Order placed successfully",
"createdAt": "2025-01-25T10:00:00Z"
},
{
  "status": "PROCESSED",
  "notes": "Order is being prepared",
  "createdAt": "2025-01-25T14:30:00Z"
}
]
```

Update Order Status

Endpoint: PUT /admin/orders/:id/status

Auth Required: Yes (Admin)

Description: Update order status and add notes.

URL Parameters:

- id - Order ID

Request Body:

```
{
  "status": "SHIPPED",
  "notes": "Order shipped via Aramex",
  "trackingNumber": "AX123456789"
}
```

Status Values:

- ORDER_PLACED
- PROCESSED
- SHIPPED
- DELIVERED
- CANCELLED

Field Requirements:

- status - Required, must be valid enum
- notes - Optional
- trackingNumber - Optional (recommended for SHIPPED status)

Success Response:

```
{
  "id": "cm5order123",
  "orderNumber": "#732365",
  "customer": {...},
```

```
"status": "SHIPPED",
"itemsCount": 3,
"total": 3450,
"currency": "EGP",
"paymentMethod": "Cash on Delivery",
"deliveryDate": null,
"trackingNumber": "AX123456789",
"createdAt": "2025-01-25T10:00:00Z",
"address": {...},
"items": [...],
"statusHistory": [
  {
    "status": "ORDER_PLACED",
    "notes": "Order placed successfully",
    "createdAt": "2025-01-25T10:00:00Z"
  },
  {
    "status": "PROCESSED",
    "notes": "Order is being prepared",
    "createdAt": "2025-01-25T14:30:00Z"
  },
  {
    "status": "SHIPPED",
    "notes": "Order shipped via Aramex",
    "createdAt": "2025-02-08T15:00:00Z"
  }
]
```

Notes:

- Status history is automatically created
- Setting status to DELIVERED auto-sets deliveryDate
- Tracking number can be updated anytime

Delete Order

Endpoint: `DELETE /admin/orders/:id`

Auth Required: Yes (Admin)

Description: Delete order (permanent action).

URL Parameters:

- `id` - Order ID

Success Response:

```
204 No Content
```

Error Response:

```
{
  "statusCode": 404,
  "message": "Order not found"
}
```

Notes:

- This is a destructive action
- Consider cancelling orders instead of deleting
- Use with caution

Admin Customers

Get All Customers

Endpoint: GET /admin/customers

Auth Required: Yes (Admin)

Description: Get all customers with filtering and statistics.

Query Parameters:

Parameter	Type	Default	Description
page	number	1	Page number
limit	number	20	Items per page
status	string	all	Filter by status (all, active, blocked)
search	string	-	Search by name, email, phone

Example Request:

```
GET /admin/customers?page=1&limit=20&status=active&search=john
```

Success Response:

```
{
  "customers": [
    {
      "id": "cm5cust123",
      "fullName": "John Doe",
      "email": "john@example.com",
      "phoneNumber": "+201234567890",
      "avatarUrl": null,
      "status": "ACTIVE",
      "lastLogin": "2025-01-30T08:00:00Z",
      "createdAt": "2025-01-01T00:00:00Z",
      "totalOrders": 12,
      "totalSpending": 15000,
      "addresses": [
        {
```

```
        "id": "cm5addr1",
        "label": "Home",
        "fullAddress": "123 Main St, Cairo, Egypt"
      }
    ]
  },
  "pagination": {
    "page": 1,
    "limit": 20,
    "total": 350,
    "totalPages": 18
  },
  "stats": {
    "totalCustomers": 350,
    "activeCustomers": 340,
    "blockedCustomers": 10
  }
}
```

Get Customer by ID

Endpoint: GET /admin/customers/:id

Auth Required: Yes (Admin)

Description: Get detailed customer information.

URL Parameters:

- id - Customer ID

Success Response:

```
{
  "id": "cm5cust123",
  "fullName": "John Doe",
  "email": "john@example.com",
  "phoneNumber": "+201234567890",
  "avatarUrl": "/uploads/avatars/john.jpg",
  "status": "ACTIVE",
  "lastLogin": "2025-01-30T08:00:00Z",
  "createdAt": "2025-01-01T00:00:00Z",
  "totalOrders": 12,
  "totalSpending": 15000,
  "addresses": [
    {
      "id": "cm5addr1",
      "label": "Home",
      "fullAddress": "123 Main St, Nasr City, Cairo, Egypt"
    },
    {
      "id": "cm5addr2",
```



```
"label": "Work",
"fullAddress": "456 Office Tower, Maadi, Cairo, Egypt"
}
]
}
```

Update Customer Status (Block/Unblock)

Endpoint: `PUT /admin/customers/:id/status`

Auth Required: Yes (Admin)

Description: Block or unblock customer account.

URL Parameters:

- `id` - Customer ID

Request Body:

```
{
  "status": "BLOCKED"
}
```

Status Values:

- `ACTIVE` - Normal account
- `BLOCKED` - Blocked account (cannot login)

Success Response:

```
{
  "id": "cm5cust123",
  "fullName": "John Doe",
  "email": "john@example.com",
  "phoneNumber": "+201234567890",
  "avatarUrl": "/uploads/avatars/john.jpg",
  "status": "BLOCKED",
  "lastLogin": "2025-01-30T08:00:00Z",
  "createdAt": "2025-01-01T00:00:00Z",
  "totalOrders": 12,
  "totalSpending": 15000,
  "addresses": [...]
}
```

Notes:

- Blocked customers cannot login
- Existing sessions remain valid until token expires
- Use this instead of deleting customers with orders

Get Customer Orders

Endpoint: GET /admin/customers/:id/orders

Auth Required: Yes (Admin)

Description: Get all orders for specific customer.

URL Parameters:

- id - Customer ID

Query Parameters:

Parameter	Type	Default	Description
page	number	1	Page number
limit	number	10	Items per page

Success Response:

```
{
  "orders": [
    {
      "id": "cm5order456",
      "orderNumber": "#845621",
      "status": "DELIVERED",
      "total": 2103.8,
      "itemsCount": 2,
      "createdAt": "2025-02-08T11:30:00Z"
    },
    {
      "id": "cm5order789",
      "orderNumber": "#912345",
      "status": "SHIPPED",
      "total": 3250,
      "itemsCount": 3,
      "createdAt": "2025-01-15T09:00:00Z"
    }
  ],
  "pagination": {
    "page": 1,
    "limit": 10,
    "total": 12,
    "totalPages": 2
  }
}
```

Delete Customer

Endpoint: DELETE /admin/customers/:id

Auth Required: Yes (Admin)

Description: Delete customer (only if no orders exist).

URL Parameters:

- id - Customer ID

Success Response:

204 No Content

Error Response:

```
{
  "statusCode": 400,
  "message": "Cannot delete customer with existing orders. Block them instead."
}
```

Notes:

- Cannot delete customers with orders
- Block customers instead to preserve order history
- Deletion is permanent

Admin Content

Hero Sections

Get All Hero Sections

Endpoint: GET /admin/content/hero-sections

Auth Required: Yes (Admin)

Success Response:

```
[
  {
    "id": "cm5hero1",
    "headlineEn": "SUMMER COLLECTION",
    "headlineAr": "مجموعة الصيف",
    "descriptionEn": "Up to 50% OFF",
    "descriptionAr": "خصم حتى 50%",
    "price": 990,
    "mainImageUrl": "/uploads/heroes/summer.jpg",
    "variantImages": [
      "/uploads/heroes/summer-var1.jpg",
      "/uploads/heroes/summer-var2.jpg"
    ],
    "ctaTextEn": "SHOP NOW",
    "ctaTextAr": "تسوق الآن",
    "ctaLink": "/category/summer",
  }
]
```

```
"order": 1,
"status": true,
"createdAt": "2025-01-15T10:00:00Z",
"updatedAt": "2025-01-20T14:30:00Z"
}
]
```

Create Hero Section

Endpoint: POST /admin/content/hero-sections

Auth Required: Yes (Admin)

Request Body:

```
{
  "headlineEn": "WINTER SALE",
  "headlineAr": "تخفيضات الشتاء",
  "descriptionEn": "Biggest discounts of the year",
  "descriptionAr": "أكبر خصومات العام",
  "price": 1200,
  "mainImageUrl": "/uploads/heroes/winter-main.jpg",
  "variantImages": [
    "/uploads/heroes/winter-var1.jpg",
    "/uploads/heroes/winter-var2.jpg",
    "/uploads/heroes/winter-var3.jpg"
  ],
  "ctaTextEn": "BROWSE DEALS",
  "ctaTextAr": "تصفح العروض",
  "ctaLink": "/offers/winter-sale",
  "order": 1,
  "status": true
}
```

Field Requirements:

- headlineEn , headlineAr - Required
- descriptionEn , descriptionAr - Optional
- price - Optional
- mainImageUrl - Required
- variantImages - Required (array of URLs)
- ctaTextEn , ctaTextAr - Optional
- ctaLink - Optional
- order - Optional, default: 0
- status - Optional, default: true

Success Response:

```
{
  "id": "cm5hero2",
```

```
"headlineEn": "WINTER SALE",
"headlineAr": "تخفيضات الشتاء",
"descriptionEn": "Biggest discounts of the year",
"descriptionAr": "أكبر خصومات العام",
"price": 1200,
"mainImageUrl": "/uploads/heroes/winter-main.jpg",
"variantImages": [...],
"ctaTextEn": "BROWSE DEALS",
"ctaTextAr": "تصفح العروض",
"ctaLink": "/offers/winter-sale",
"order": 1,
"status": true,
"createdAt": "2025-02-08T16:00:00Z",
"updatedAt": "2025-02-08T16:00:00Z"
}
```

Update Hero Section

Endpoint: PUT /admin/content/hero-sections/:id

Auth Required: Yes (Admin)

URL Parameters:

- id - Hero Section ID

Request Body (all fields optional):

```
{
  "headlineEn": "Updated Headline",
  "price": 1500,
  "status": false
}
```

Delete Hero Section

Endpoint: DELETE /admin/content/hero-sections/:id

Auth Required: Yes (Admin)

URL Parameters:

- id - Hero Section ID

Success Response:

204 No Content

Vendors

Get All Vendors

Endpoint: GET /admin/content/vendors

Auth Required: Yes (Admin)

Success Response:

```
[
  {
    "id": "cm5vend1",
    "name": "Nike",
    "logoUrl": "/uploads/brands/nike.png",
    "order": 1,
    "status": true,
    "createdAt": "2025-01-01T00:00:00Z",
    "updatedAt": "2025-01-01T00:00:00Z"
  },
  {
    "id": "cm5vend2",
    "name": "Adidas",
    "logoUrl": "/uploads/brands/adidas.png",
    "order": 2,
    "status": true,
    "createdAt": "2025-01-01T00:00:00Z",
    "updatedAt": "2025-01-01T00:00:00Z"
  }
]
```

Create Vendor

Endpoint: POST /admin/content/vendors

Auth Required: Yes (Admin)

Request Body:

```
{
  "name": "Puma",
  "logoUrl": "/uploads/brands/puma.png",
  "order": 3,
  "status": true
}
```

Field Requirements:

- name - Required
- logoUrl - Required
- order - Optional, default: 0
- status - Optional, default: true

Success Response:

```
{
  "id": "cm5vend3",
  "name": "Puma",
  "logoUrl": "/uploads/brands/puma.png",
  "order": 3,
  "status": true,
  "createdAt": "2025-02-08T16:30:00Z",
  "updatedAt": "2025-02-08T16:30:00Z"
}
```

Update Vendor

Endpoint: PUT /admin/content/vendors/:id

Auth Required: Yes (Admin)

URL Parameters:

- id - Vendor ID

Request Body (all fields optional):

```
{
  "name": "Updated Name",
  "logoUrl": "/uploads/brands/new-logo.png",
  "order": 5,
  "status": false
}
```

Delete Vendor

Endpoint: DELETE /admin/content/vendors/:id

Auth Required: Yes (Admin)

Success Response:

```
204 No Content
```

Banners

Get All Banners

Endpoint: GET /admin/content/banners

Auth Required: Yes (Admin)

Success Response:

```
[
  {
    "id": "cm5ban1",
    "imageUrl": "/uploads/banners/black-friday.png",
    "titleEn": "BLACK FRIDAY",
    "titleAr": "الجمعة السوداء",
    "link": "/offers/black-friday",
    "order": 1,
    "status": true,
    "createdAt": "2025-01-10T00:00:00Z",
    "updatedAt": "2025-01-10T00:00:00Z"
  }
]
```

Create Banner

Endpoint: POST /admin/content/banners

Auth Required: Yes (Admin)

Request Body:

```
{
  "imageUrl": "/uploads/banners/new-year.png",
  "titleEn": "NEW YEAR SALE",
  "titleAr": "تخفيضات العام الجديد",
  "link": "/offers/new-year",
  "order": 2,
  "status": true
}
```

Field Requirements:

- imageUrl - Required
- titleEn, titleAr - Optional
- link - Optional
- order - Optional, default: 0
- status - Optional, default: true

Success Response:

```
{
  "id": "cm5ban2",
  "imageUrl": "/uploads/banners/new-year.png",
  "titleEn": "NEW YEAR SALE",
  "titleAr": "تخفيضات العام الجديد",
  "link": "/offers/new-year",
  "order": 2,
```



```
"status": true,  
"createdAt": "2025-02-08T17:00:00Z",  
"updatedAt": "2025-02-08T17:00:00Z"  
}
```

Update Banner

Endpoint: PUT /admin/content/banners/:id

Auth Required: Yes (Admin)

URL Parameters:

- id - Banner ID

Request Body (all fields optional):

```
{  
  "imageUrl": "/uploads/banners/updated.png",  
  "titleEn": "Updated Title",  
  "status": false  
}
```

Delete Banner

Endpoint: DELETE /admin/content/banners/:id

Auth Required: Yes (Admin)

Success Response:

```
204 No Content
```

Featured Products Configuration

Get Featured Products Config

Endpoint: GET /admin/content/featured-products

Auth Required: Yes (Admin)

Success Response:

```
{  
  "id": "cm5feat1",  
  "autoChoose": false,  
  "selectedProducts": [  
    "cm5prod123",  
    "cm5prod456",  
    "cm5prod789"  
  ]  
}
```

```
],  
  "createdAt": "2025-01-01T00:00:00Z",  
  "updatedAt": "2025-02-01T10:00:00Z"  
}
```

Update Featured Products Config

Endpoint: PUT /admin/content/featured-products

Auth Required: Yes (Admin)

Request Body:

```
{  
  "autoChoose": false,  
  "selectedProducts": [  
    "cm5prod123",  
    "cm5prod456",  
    "cm5prod789",  
    "cm5prod012",  
    "cm5prod345"  
  ]  
}
```

Options:

- `autoChoose: true` - Automatically select most viewed products
- `autoChoose: false` - Use manual selection from `selectedProducts` array

Field Requirements:

- `autoChoose` - Required (boolean)
- `selectedProducts` - Optional (array of product IDs), used only when `autoChoose=false`

Success Response:

```
{  
  "id": "cm5feat1",  
  "autoChoose": false,  
  "selectedProducts": [  
    "cm5prod123",  
    "cm5prod456",  
    "cm5prod789",  
    "cm5prod012",  
    "cm5prod345"  
  ],  
  "createdAt": "2025-01-01T00:00:00Z",  
  "updatedAt": "2025-02-08T17:30:00Z"  
}
```

Admin Offers

Get All Offers

Endpoint: GET /admin/offers

Auth Required: Yes (Admin)

Description: Get all offers with optional status filter.

Query Parameters:

Parameter	Type	Default	Description
status	string	all	Filter by status (all, active, expired, inactive)

Status Filters:

- all - All offers
- active - Active and not expired
- expired - End date passed
- inactive - status=false

Success Response:

```
[
  {
    "id": "cm5off1",
    "code": "SUMMER25",
    "nameEn": "Summer Sale 2025",
    "nameAr": "تخفيضات الصيف 2025",
    "type": "PERCENTAGE",
    "discountValue": 25,
    "minCartValue": 500,
    "maxDiscount": 200,
    "applyTo": "ALL",
    "targetId": null,
    "startDate": "2025-06-01T00:00:00Z",
    "endDate": "2025-08-31T23:59:59Z",
    "startTime": "00:00",
    "endTime": "23:59",
    "totalUsageLimit": 1000,
    "perUserLimit": 5,
    "currentUsage": 45,
    "status": true,
    "createdAt": "2025-05-15T10:00:00Z",
    "updatedAt": "2025-05-15T10:00:00Z"
  }
]
```

Get Offer by ID

Endpoint: GET /admin/offers/:id

Auth Required: Yes (Admin)

URL Parameters:

- id - Offer ID

Success Response:

```
{
  "id": "cm5off1",
  "code": "SUMMER25",
  "nameEn": "Summer Sale 2025",
  "nameAr": "تخفيضات الصيف 2025",
  "type": "PERCENTAGE",
  "discountValue": 25,
  "minCartValue": 500,
  "maxDiscount": 200,
  "applyTo": "ALL",
  "targetId": null,
  "startDate": "2025-06-01T00:00:00Z",
  "endDate": "2025-08-31T23:59:59Z",
  "startTime": "00:00",
  "endTime": "23:59",
  "totalUsageLimit": 1000,
  "perUserLimit": 5,
  "currentUsage": 45,
  "status": true,
  "createdAt": "2025-05-15T10:00:00Z",
  "updatedAt": "2025-05-15T10:00:00Z"
}
```

Create Offer

Endpoint: POST /admin/offers

Auth Required: Yes (Admin)

Request Body:

```
{
  "code": "WELCOME100",
  "nameEn": "Welcome Discount",
  "nameAr": "خصم الترحيب",
  "type": "FIXED_AMOUNT",
  "discountValue": 100,
  "minCartValue": 500,
  "maxDiscount": null,
  "applyTo": "ALL",
  "targetId": null,
  "startDate": "2025-02-01T00:00:00Z",
}
```

```
"endDate": "2025-12-31T23:59:59Z",
"startTime": "00:00",
"endTime": "23:59",
"totalUsageLimit": 500,
"perUserLimit": 1,
"status": true
}
```

Offer Types:

- `PERCENTAGE` - Percentage discount (discountValue = percentage)
- `FIXED_AMOUNT` - Fixed amount off (discountValue = amount in EGP)
- `BUNDLE` - Bundle deal
- `FREE_SHIPPING` - Free shipping

Apply To Options:

- `ALL` - All products (targetId=null)
- `CATEGORY` - Specific category (provide targetId)
- `SUB_CATEGORY` - Specific subcategory (provide targetId)
- `PRODUCT_LIST` - Specific product list (provide targetId)
- `PRODUCT_TYPE` - Specific product type (provide targetId)

Field Requirements:

- `code` - Required, must be unique
- `nameEn` , `nameAr` - Required
- `type` - Required (enum)
- `discountValue` - Required, must be > 0
- `minCartValue` - Optional (minimum cart value to apply)
- `maxDiscount` - Optional (maximum discount amount)
- `applyTo` - Required (enum)
- `targetId` - Optional (required for specific scopes)
- `startDate` , `endDate` - Required (ISO format)
- `startTime` , `endTime` - Optional (HH:mm format)
- `totalUsageLimit` - Optional (total times offer can be used)
- `perUserLimit` - Optional (times per user)
- `status` - Optional, default: true

Success Response:

```
{
  "id": "cm5off2",
  "code": "WELCOME100",
  "nameEn": "Welcome Discount",
  "nameAr": "خصم الترحيب",
  "type": "FIXED_AMOUNT",
  "discountValue": 100,
```

```
"minCartValue": 500,
"maxDiscount": null,
"applyTo": "ALL",
"targetId": null,
"startDate": "2025-02-01T00:00:00Z",
"endDate": "2025-12-31T23:59:59Z",
"startTime": "00:00",
"endTime": "23:59",
"totalUsageLimit": 500,
"perUserLimit": 1,
"currentUsage": 0,
"status": true,
"createdAt": "2025-02-08T18:00:00Z",
"updatedAt": "2025-02-08T18:00:00Z"
}
```

Error Response:

```
{
  "statusCode": 409,
  "message": "Offer code already exists"
}
```

Update Offer

Endpoint: PUT /admin/offers/:id

Auth Required: Yes (Admin)

URL Parameters:

- id - Offer ID

Request Body (all fields optional except code cannot be changed):

```
{
  "nameEn": "Updated Offer Name",
  "discountValue": 30,
  "status": false
}
```

Delete Offer

Endpoint: DELETE /admin/offers/:id

Auth Required: Yes (Admin)

Success Response:

```
204 No Content
```

Popup Offers

Get All Popup Offers

Endpoint: GET /admin/offers/popup/all

Auth Required: Yes (Admin)

Success Response:

```
[
  {
    "id": "cm5popup1",
    "headlineEn": "WELCOME OFFER",
    "headlineAr": "عرض الترحيب",
    "subHeadlineEn": "Get 100 EGP OFF",
    "subHeadlineAr": "احصل على خصم 100 جنيه",
    "amount": 100,
    "voucherCode": "WELCOME100",
    "targetedUser": "first_time_customer",
    "imageUrl": "/uploads/popups/welcome.jpg",
    "startDate": "2025-01-01T00:00:00Z",
    "endDate": "2025-12-31T23:59:59Z",
    "status": true,
    "createdAt": "2025-01-01T00:00:00Z",
    "updatedAt": "2025-01-01T00:00:00Z"
  }
]
```

Create Popup Offer

Endpoint: POST /admin/offers/popup

Auth Required: Yes (Admin)

Request Body:

```
{
  "headlineEn": "EXCLUSIVE DEAL",
  "headlineAr": "صفقة حصرية",
  "subHeadlineEn": "Save 200 EGP on your order",
  "subHeadlineAr": "وفر 200 جنيه على طلبك",
  "amount": 200,
  "voucherCode": "EXCLUSIVE200",
  "targetedUser": "all",
  "imageUrl": "/uploads/popups/exclusive.jpg",
  "startDate": "2025-02-01T00:00:00Z",
  "endDate": "2025-02-28T23:59:59Z",
  "status": true
}
```

Field Requirements:

- headlineEn , headlineAr - Required
- subHeadlineEn , subHeadlineAr - Required
- amount - Required, must be > 0
- voucherCode - Required
- targetedUser - Required (e.g., "first_time_customer", "all", "returning")
- imageUrl - Optional
- startDate , endDate - Required (ISO format)
- status - Optional, default: true

Success Response:

```
{
  "id": "cm5popup2",
  "headlineEn": "EXCLUSIVE DEAL",
  "headlineAr": "صفقة حصرية",
  "subHeadlineEn": "Save 200 EGP on your order",
  "subHeadlineAr": "وفر 200 جنيه على طلبك",
  "amount": 200,
  "voucherCode": "EXCLUSIVE200",
  "targetedUser": "all",
  "imageUrl": "/uploads/popups/exclusive.jpg",
  "startDate": "2025-02-01T00:00:00Z",
  "endDate": "2025-02-28T23:59:59Z",
  "status": true,
  "createdAt": "2025-02-08T18:30:00Z",
  "updatedAt": "2025-02-08T18:30:00Z"
}
```

Update Popup Offer

Endpoint: PUT /admin/offers/popup/:id

Auth Required: Yes (Admin)

URL Parameters:

- id - Popup Offer ID

Request Body (all fields optional):

```
{
  "headlineEn": "Updated Headline",
  "amount": 250,
  "status": false
}
```

Delete Popup Offer

Endpoint: DELETE /admin/offers/popup/:id

Auth Required: Yes (Admin)

Success Response:

204 No Content

Admin Dashboard

Get Dashboard Overview

Endpoint: GET /admin/dashboard/overview

Auth Required: Yes (Admin)

Description: Get comprehensive dashboard metrics, charts, and statistics.

Success Response:

```
{
  "metrics": {
    "totalProducts": 120,
    "activeOrders": 45,
    "totalCustomers": 350,
    "totalEarnings": 125000,
    "previousPeriodComparison": {
      "products": 8.5,
      "orders": 12.3,
      "customers": 5.2,
      "earnings": 15.7
    }
  },
  "charts": {
    "totalOrdersSeries": [
      { "date": "2025-02-01", "count": 12 },
      { "date": "2025-02-02", "count": 15 },
      { "date": "2025-02-03", "count": 18 },
      { "date": "2025-02-04", "count": 14 },
      { "date": "2025-02-05", "count": 20 },
      { "date": "2025-02-06", "count": 17 },
      { "date": "2025-02-07", "count": 22 }
    ],
    "totalProfitSeries": [
      { "date": "2025-02-01", "profit": 5400 },
      { "date": "2025-02-02", "profit": 6200 },
      { "date": "2025-02-03", "profit": 7100 },
      { "date": "2025-02-04", "profit": 5800 },
      { "date": "2025-02-05", "profit": 8300 },
      { "date": "2025-02-06", "profit": 7200 },
      { "date": "2025-02-07", "profit": 9100 }
    ],
    "discountedAmountSeries": [
```

```
{ "date": "2025-02-01", "discount": 850 },
{ "date": "2025-02-02", "discount": 920 },
{ "date": "2025-02-03", "discount": 1100 },
{ "date": "2025-02-04", "discount": 780 },
{ "date": "2025-02-05", "discount": 1350 },
{ "date": "2025-02-06", "discount": 980 },
{ "date": "2025-02-07", "discount": 1450 }
],
},
"topSellingCategories": [
  {
    "name": "Men",
    "value": 450,
    "percentage": 45.2
  },
  {
    "name": "Women",
    "value": 320,
    "percentage": 32.1
  },
  {
    "name": "Accessories",
    "value": 226,
    "percentage": 22.7
  }
],
"bestSellingProducts": [
  {
    "id": "cm5prod123",
    "name": "BOUNCE SPORT RUNNING SHOES",
    "sku": "364U0w2",
    "totalOrders": 45,
    "stockStatus": "In Stock",
    "image": "/uploads/products/bounce-1.jpg"
  },
  {
    "id": "cm5prod456",
    "name": "Nike Air Max",
    "sku": "364U0w6",
    "totalOrders": 38,
    "stockStatus": "Low Stock",
    "image": "/uploads/products/nike-1.jpg"
  },
  {
    "id": "cm5prod789",
    "name": "AlAhly 2025 Jersey",
    "sku": "364U0w8",
    "totalOrders": 32,
    "stockStatus": "In Stock",
    "image": "/uploads/products/jersey-1.jpg"
  }
]
}
```

Notes:

- Metrics show current period vs previous 7 days
 - Chart series show last 7 days of data
 - Top selling categories limited to top 3
 - Best selling products limited to top 5
 - All monetary values in EGP
-

Get Recent Activity

Endpoint: GET /admin/dashboard/recent-activity

Auth Required: Yes (Admin)

Description: Get recent orders, customers, and low stock alerts.

Success Response:

```
{
  "recentOrders": [
    {
      "id": "cm5order999",
      "orderNumber": "#998877",
      "customerName": "Ahmed Hassan",
      "total": 2450,
      "status": "ORDER_PLACED",
      "createdAt": "2025-02-08T19:00:00Z"
    },
    {
      "id": "cm5order998",
      "orderNumber": "#998876",
      "customerName": "Sara Mohamed",
      "total": 1850,
      "status": "PROCESSED",
      "createdAt": "2025-02-08T18:45:00Z"
    }
    // ... up to 5 recent orders
  ],
  "recentCustomers": [
    {
      "id": "cm5cust999",
      "fullName": "Mohamed Ali",
      "email": "mohamed@example.com",
      "createdAt": "2025-02-08T18:30:00Z"
    },
    {
      "id": "cm5cust998",
      "fullName": "Fatima Ahmed",
      "email": "fatima@example.com",
      "createdAt": "2025-02-08T17:20:00Z"
    }
    // ... up to 5 recent customers
  ]
}
```

```
],
"lowStockProducts": [
  {
    "id": "cm5prod888",
    "name": "Adidas Ultraboost",
    "sku": "ADI999",
    "totalStock": 5
  },
  {
    "id": "cm5prod887",
    "name": "Puma RS-X",
    "sku": "PUM888",
    "totalStock": 3
  }
  // ... up to 5 low stock products
]
```

Notes:

- Recent orders: last 5 orders
- Recent customers: last 5 registered customers
- Low stock products: products with total stock ≤ 10

File Upload

All upload endpoints require admin authentication.

Upload Product Image (Single)

Endpoint: POST /upload/product-image

Auth Required: Yes (Admin)

Content-Type: multipart/form-data

Request:

```
POST /upload/product-image
Content-Type: multipart/form-data

file: [binary image data]
```

Success Response:

```
{
  "url": "/uploads/products/1707408234567-a1b2c3d4e5f6.jpg"
}
```

Supported Formats: JPEG, JPG, PNG, WEBP, GIF
Max Size: 5MB

Upload Product Images (Multiple)

Endpoint: POST /upload/product-images
Auth Required: Yes (Admin)
Content-Type: multipart/form-data

Request:

```
POST /upload/product-images
Content-Type: multipart/form-data

files: [multiple binary image data]
```

Success Response:

```
{
  "urls": [
    "/uploads/products/1707408234567-a1b2c3d4e5f6.jpg",
    "/uploads/products/1707408234568-b2c3d4e5f6g7.jpg",
    "/uploads/products/1707408234569-c3d4e5f6g7h8.jpg"
  ]
}
```

Upload Hero Image

Endpoint: POST /upload/hero-image
Auth Required: Yes (Admin)
Content-Type: multipart/form-data

Success Response:

```
{
  "url": "/uploads/heroes/1707408234567-a1b2c3d4e5f6.jpg"
}
```

Upload Banner Image

Endpoint: POST /upload/banner-image
Auth Required: Yes (Admin)
Content-Type: multipart/form-data

Success Response:

```
{
  "url": "/uploads/banners/1707408234567-a1b2c3d4e5f6.jpg"
}
```

Upload Vendor Logo

Endpoint: POST /upload/vendor-logo

Auth Required: Yes (Admin)

Content-Type: multipart/form-data

Success Response:

```
{
  "url": "/uploads/vendors/1707408234567-a1b2c3d4e5f6.jpg"
}
```

Upload Category Icon

Endpoint: POST /upload/category-icon

Auth Required: Yes (Admin)

Content-Type: multipart/form-data

Success Response:

```
{
  "url": "/uploads/categories/1707408234567-a1b2c3d4e5f6.jpg"
}
```

Upload Custom Order Images

Endpoint: POST /upload/custom-order-images

Auth Required: Yes (Admin)

Content-Type: multipart/form-data

Success Response:

```
{
  "urls": [
    "/uploads/custom-orders/1707408234567-a1b2c3d4e5f6.jpg",
    "/uploads/custom-orders/1707408234568-b2c3d4e5f6g7.jpg"
  ]
}
```

⚠ Error Responses

Common Error Codes

400 Bad Request

```
{
  "statusCode": 400,
  "message": "Validation failed",
  "error": "Bad Request"
}
```

401 Unauthorized

```
{
  "statusCode": 401,
  "message": "Invalid or expired token"
}
```

403 Forbidden

```
{
  "statusCode": 403,
  "message": "Access Denied: Insufficient Permissions"
}
```

404 Not Found

```
{
  "statusCode": 404,
  "message": "Product not found"
}
```

409 Conflict

```
{
  "statusCode": 409,
  "message": "SKU already exists"
}
```

500 Internal Server Error

```
{
  "statusCode": 500,
  "message": "Internal server error"
}
```

Enums & Constants

Gender

```
enum Gender {  
    UNISEX = "UNISEX",  
    MEN = "MEN",  
    WOMEN = "WOMEN",  
    KIDS = "KIDS"  
}
```

Product Status

```
enum ProductStatus {  
    PUBLISHED = "PUBLISHED",  
    UNPUBLISHED = "UNPUBLISHED",  
    DRAFT = "DRAFT"  
}
```

Order Status

```
enum OrderStatus {  
    ORDER_PLACED = "ORDER_PLACED",  
    PROCESSED = "PROCESSED",  
    SHIPPED = "SHIPPED",  
    DELIVERED = "DELIVERED",  
    CANCELLED = "CANCELLED"  
}
```

Customer Status

```
enum CustomerStatus {  
    ACTIVE = "ACTIVE",  
    BLOCKED = "BLOCKED"  
}
```

Offer Type

```
enum OfferType {  
    PERCENTAGE = "PERCENTAGE",  
    FIXED_AMOUNT = "FIXED_AMOUNT",  
    BUNDLE = "BUNDLE",  
    FREE_SHIPPING = "FREE_SHIPPING"  
}
```


Offer Scope

```
enum OfferScope {  
    ALL = "ALL",  
    CATEGORY = "CATEGORY",  
    SUB_CATEGORY = "SUB_CATEGORY",  
    PRODUCT_LIST = "PRODUCT_LIST",  
    PRODUCT_TYPE = "PRODUCT_TYPE"  
}
```

Sort By

```
enum SortBy {  
    FEATURED = "featured",  
    BEST_SELLING = "best-selling",  
    A_Z = "a-z",  
    Z_A = "z-a",  
    PRICE_LOW = "price-low",  
    PRICE_HIGH = "price-high",  
    DATE_OLD = "date-old",  
    DATE_NEW = "date-new"  
}
```

Notes & Best Practices

Authentication

- Customer tokens expire in 7 days (configurable)
- Admin tokens expire in 7 days (configurable)
- Always include `Authorization: Bearer {token}` header for protected routes
- Tokens are automatically validated by JWT middleware

Pagination

- Default page size: 20 items
- Maximum page size: 100 items
- Page numbers start at 1
- Total count and total pages included in response

Filtering & Sorting

- Multiple filters can be combined
- Filters use AND logic
- Case-insensitive search

- Sorting maintains filter context

File Uploads

- All uploads require admin authentication
- Supported formats: JPEG, JPG, PNG, WEBP, GIF
- Maximum file size: 5MB
- Files auto-renamed with timestamp + random hash
- URLs returned are relative paths

Stock Management

- Stock decremented atomically on order creation
- Stock validation happens twice: before transaction & inside transaction
- Race conditions prevented by transaction locking
- Low stock threshold: ≤ 10 units

Order Processing

- Guest checkout auto-creates customer account
- Orders cannot be deleted if customer has order history
- Status changes create automatic history entries
- Delivery date auto-set when status = DELIVERED

Data Consistency

- SKU must be unique across all products
- Category hierarchy: Category \rightarrow SubCategory \rightarrow ProductList
- Cannot delete parent entities if children exist
- Cannot delete products/customers with order history

Localization

- All content has English (En) and Arabic (Ar) versions
- Language switching handled client-side
- Server stores both languages in same record

Additional Resources

- **Postman Collection:** Import `openapi.json` for complete API collection
- **Database Schema:** See `schema.prisma` for complete data model
- **Sample Data:** Run seed script to populate test data
- **Environment Variables:** Configure JWT secret, database URL, OTP settings

Last Updated: February 8, 2025

API Version: 1.0

Base URL: `http://localhost:4000/api` (development)