**Laravel E-Commerce API Documentation**

**🔐 Authentication APIs**

**Signup**

* **Method**: POST
* **URL**: /api/signup
* **Description**: Register a new user.
* **Request Headers**:

Content-Type: application/json

* **Request Body**:

{

"name": "John Doe",

"email": "john@example.com",

"password": "secret123"

}

* **Response**:

{

"status": true,

"message": "User registered successfully",

"token": "Bearer <access\_token>"

}

**Login**

* **Method**: POST
* **URL**: /api/login
* **Description**: Login with email and password.
* **Request Headers**:

Content-Type: application/json

* **Request Body**:

{

"email": "john@example.com",

"password": "secret123"

}

* **Response**:

{

"status": true,

"message": "Login successful",

"token": "Bearer <access\_token>"

}

**Logout**

* **Method**: POST
* **URL**: /api/logout
* **Description**: Logs out the current user and revokes the token.
* **Request Headers**:

Authorization: Bearer <access\_token>

* **Response**:

{

"status": true,

"message": "Logged out successfully"

}

**📦 Product APIs**

**Get All Products**

* **Method**: GET
* **URL**: /api/products
* **Description**: Retrieve all products.
* **Request Headers**:

Authorization: Bearer <access\_token>

* **Response**:

[

{

"id": 1,

"name": "iPhone 14",

"description": "Latest Apple iPhone 14 with A15 Bionic chip",

"price": 1099.99,

"stock": 50,

"sku": "IPH14-256GB-BLK",

"image": "http://yourdomain.com/storage/products/image1.jpg",

"other\_images": [

"http://yourdomain.com/storage/products/image2.jpg",

"http://yourdomain.com/storage/products/image3.jpg"

],

"created\_at": "2025-04-05T10:30:00.000000Z",

"updated\_at": "2025-04-05T12:45:00.000000Z"

},

…..

]

**Get Product by ID**

* **Method**: GET
* **URL**: /api/products/{id}
* **Description**: Get a single product by its ID.
* **Request Headers**:

Authorization: Bearer <access\_token>

* **Response**:

{

"success": true,

"data": {

"id": 1,

"name": "iPhone 14",

"description": "Latest Apple iPhone 14 with A15 Bionic chip",

"price": 1099.99,

"stock": 50,

"sku": "IPH14-256GB-BLK",

"image": "http://yourdomain.com/storage/products/image1.jpg",

"other\_images": [

"http://yourdomain.com/storage/products/image2.jpg",

"http://yourdomain.com/storage/products/image3.jpg"

],

"created\_at": "2025-04-05T10:30:00.000000Z",

"updated\_at": "2025-04-05T12:45:00.000000Z"

}

}

**Create Product**

* **Method**: POST
* **URL**: /api/products
* **Description**: Create a new product.
* **Request Headers**:

Content-Type: multipart/form-data

Authorization: Bearer <access\_token>

* **Request Body (Form Data)**:

name: string

description: string (optional)

price: numeric

stock: integer

sku: string (unique)

image: file (optional)

other\_images[]: multiple files (optional)

* **Response**:

{

"message": "Product Successfully Created",

"data": {

"id": 1,

"name": "iPhone 14",

"description": "Latest Apple iPhone 14 with A15 Bionic chip",

"price": 1099.99,

"stock": 50,

"sku": "IPH14-256GB-BLK",

"image": "http://yourdomain.com/storage/products/image1.jpg",

"other\_images": [

"http://yourdomain.com/storage/products/image2.jpg",

"http://yourdomain.com/storage/products/image3.jpg"

],

"created\_at": "2025-04-06T09:15:30.000000Z",

"updated\_at": "2025-04-06T09:15:30.000000Z"

}

}

**Update Product**

* **Method**: PUT
* **URL**: /api/products/{id}
* **Description**: Update an existing product.
* **Request Headers**:

Content-Type: multipart/form-data

Authorization: Bearer <access\_token>

* **Request Body (Form Data)**: Same as Create Product (all fields optional).
* **Response**:

{

"message": "Product Successfully Updated",

"data": {

"id": 1,

"name": "iPhone 14",

"description": "Latest Apple iPhone 14 with A15 Bionic chip",

"price": 1099.99,

"stock": 50,

"sku": "IPH14-256GB-BLK",

"image": "http://yourdomain.com/storage/products/image1.jpg",

"other\_images": [

"http://yourdomain.com/storage/products/image2.jpg",

"http://yourdomain.com/storage/products/image3.jpg"

],

"created\_at": "2025-04-06T09:15:30.000000Z",

"updated\_at": "2025-04-06T09:15:30.000000Z"

}

}

**Delete Product**

* **Method**: DELETE
* **URL**: /api/products/{id}
* **Description**: Delete a product by its ID.
* **Request Headers**:

Authorization: Bearer <access\_token>

* **Response**:

{

"success": true,

"message": "Product successfully deleted"

}