

Product Order API Documentation

Table of Contents

| | |
|----------------------|---|
| Product API | 1 |
| Create Product | 1 |
| Update Product | 1 |
| Delete Product | 2 |
| List Products | 2 |
| Order API | 2 |
| Create Order | 2 |
| Pay Order | 3 |
| Cancel Order | 3 |

Product API

Create Product

```
POST /api/products HTTP/1.1
Content-Type: application/json
Content-Length: 56
Host: localhost:8080
```

```
{"name":"Test Product","price":10.0,"stockQuantity":100}
```

```
HTTP/1.1 201 Created
Content-Type: application/json
Content-Length: 63
```

```
{"id":1,"name":"Test Product","price":10.0,"stockQuantity":100}
```

Update Product

```
PUT /api/products HTTP/1.1
Content-Type: application/json
Content-Length: 65
Host: localhost:8080
```

```
{"id":1,"name":"Updated Product","price":20.0,"stockQuantity":50}
```

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 65

{"id":1,"name":"Updated Product","price":20.0,"stockQuantity":50}
```

Delete Product

```
DELETE /api/products/1 HTTP/1.1
Host: localhost:8080
```

```
HTTP/1.1 204 No Content
```

List Products

```
GET /api/products HTTP/1.1
Host: localhost:8080
```

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

[{"id":1,"name":"Product 1","price":10.0,"stockQuantity":100},{"id":2,"name":"Product 2","price":20.0,"stockQuantity":200}]
```

Order API

Create Order

```
POST /api/orders HTTP/1.1
Content-Type: application/json
Content-Length: 40
Host: localhost:8080

{"items":[{"productId":1,"quantity":2}]}
```

```
HTTP/1.1 201 Created
Content-Type: application/json
Content-Length: 98
```

```
{"id":1,"status":"CREATED","createdAt":[2025,5,21,13,14,20,624894000],"paidAt":null,"products":[]}
```

Pay Order

```
POST /api/orders/1/pay HTTP/1.1
Host: localhost:8080
Content-Type: application/x-www-form-urlencoded
```

```
HTTP/1.1 200 OK
```

Cancel Order

```
POST /api/orders/1/cancel HTTP/1.1
Host: localhost:8080
Content-Type: application/x-www-form-urlencoded
```

```
HTTP/1.1 200 OK
```