

# Product Order API Documentation

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## 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
```