

# 000 0000 RestAPI

00

00 00 00 00

- param : page={number}
- param 000 00 000.

00 00

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

00 00

```
{
  "success" : true,
  "response" : [ {
    "id" : 1,
    "productName" : "000 0000 000 00000/000000 000 0 0000 000",
    "description" : "",
    "image" : "/images/1.jpg",
    "price" : 1000
  }, {
    "id" : 2,
    "productName" : "[00000 00]202200 00 000700g0/000/00",
    "description" : "",
    "image" : "/images/2.jpg",
    "price" : 2000
  }, {
    "id" : 3,
    "productName" : "0000 JBL JR310 0 0000/000 000 30!",
    "description" : "",
    "image" : "/images/3.jpg",
    "price" : 30000
  }, {
    "id" : 4,
    "productName" : "00 0000 0000 200 000000 / 0 70",
    "description" : "",
    "image" : "/images/4.jpg",
    "price" : 4000
  }, {
    "id" : 5,
    "productName" : "[00] 000000, 000 100g/300g 0 0000 00 /000 00/0000",
  }
```

```

    "description" : "",
    "image" : "/images/5.jpg",
    "price" : 5000
  }, {
    "id" : 6,
    "productName" : "스마트 폰 1,050g 20 MP 카메라",
    "description" : "",
    "image" : "/images/6.jpg",
    "price" : 15900
  }, {
    "id" : 7,
    "productName" : "eoe 스마트 폰 30MP, 듀얼 카메라",
    "description" : "",
    "image" : "/images/7.jpg",
    "price" : 26800
  }, {
    "id" : 8,
    "productName" : "스마트 PDRN 폰 20. 듀얼/카메라",
    "description" : "",
    "image" : "/images/8.jpg",
    "price" : 25900
  }, {
    "id" : 9,
    "productName" : "스마트폰 VR2 스마트 폰. 듀얼 카메라",
    "description" : "",
    "image" : "/images/9.jpg",
    "price" : 797000
  } ],
  "error" : null
}

```

## Param을 사용하여 페이지 번호를 변경

- param : page=0

요청

```

GET /products/?page=0 HTTP/1.1
Host: localhost:8080

```

응답

```

{
  "success" : true,
  "response" : [ {
    "id" : 1,
    "productName" : "스마트 폰 1,050g 20 MP 카메라",

```

```

    "description" : "",
    "image" : "/images/1.jpg",
    "price" : 1000
  }, {
    "id" : 2,
    "productName" : "[ ]2022  700g/ /",
    "description" : "",
    "image" : "/images/2.jpg",
    "price" : 2000
  }, {
    "id" : 3,
    "productName" : " JBL JR310  /  3!",
    "description" : "",
    "image" : "/images/3.jpg",
    "price" : 30000
  }, {
    "id" : 4,
    "productName" : "  2  /  7",
    "description" : "",
    "image" : "/images/4.jpg",
    "price" : 4000
  }, {
    "id" : 5,
    "productName" : "[ ] ,  100g/300g  / /",
    "description" : "",
    "image" : "/images/5.jpg",
    "price" : 5000
  }, {
    "id" : 6,
    "productName" : "  1,050g  2  ",
    "description" : "",
    "image" : "/images/6.jpg",
    "price" : 15900
  }, {
    "id" : 7,
    "productName" : "eoe  30,   ",
    "description" : "",
    "image" : "/images/7.jpg",
    "price" : 26800
  }, {
    "id" : 8,
    "productName" : " PDRN  2.  / ",
    "description" : "",
    "image" : "/images/8.jpg",
    "price" : 25900
  }, {
    "id" : 9,
    "productName" : " VR2   .   ",
    "description" : "",
    "image" : "/images/9.jpg",
    "price" : 797000
  }

```

```
} ],  
  "error" : null  
}
```

□□ □□ □□ □□

□□ □□

```
GET /products/1 HTTP/1.1  
Host: localhost:8080
```

□□ □□

```
{  
  "success" : true,  
  "response" : {  
    "id" : 1,  
    "productName" : "□□□ □□□□ □□ □□□□□□ □□ □ □□□ □□",  
    "description" : "",  
    "image" : "/images/1.jpg",  
    "price" : 1000,  
    "starCount" : 5,  
    "options" : [ {  
      "id" : 1,  
      "optionName" : "01. □□□ □□ □□□□□□ 4",  
      "price" : 10000  
    }, {  
      "id" : 2,  
      "optionName" : "02. □□□ □□ □□□□□□ 5",  
      "price" : 10900  
    }, {  
      "id" : 3,  
      "optionName" : "□□□ □□ S(□□) 6",  
      "price" : 9900  
    }, {  
      "id" : 4,  
      "optionName" : "□□□ □□□ 130□ 12",  
      "price" : 16900  
    }, {  
      "id" : 5,  
      "optionName" : "2□ □□□□ 6",  
      "price" : 8900  
    } ]  
  },  
  "error" : null  
}
```

□□□

□□□ □□ □□

□□ □□

```
POST /check HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 33
Host: localhost:8080
```

```
{
  "email" : "meta@nate.com"
}
```

□□ □□

```
{
  "success" : true,
  "response" : null,
  "error" : null
}
```

□□□ □□ □□ □□ □□ **1**

□□ □□

```
POST /check HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 38
Host: localhost:8080
```

```
{
  "email" : "ssarmango@nate.com"
}
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "□□□ □□□□ □□□□ : ssarmango@nate.com",
  }
}
```

```
"status" : 400
}
}
```

## 000 00 00 00 00 2

00 00

```
POST /check HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 37
Host: localhost:8080

{
  "email" : "ssarmangonate.com"
}
```

00 00

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "000 0000 000000:email",
    "status" : 400
  }
}
```

## 0000

00 00

```
POST /join HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 90
Host: localhost:8080

{
  "email" : "meta@nate.com",
  "password" : "meta1234!",
  "username" : "meta1234"
}
```

□□ □□

```
{
  "success" : true,
  "response" : null,
  "error" : null
}
```

□□□□ □□ □□ **1**

□□ □□

```
POST /join HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 89
Host: localhost:8080

{
  "email" : "metanate.com",
  "password" : "meta1234!",
  "username" : "meta1234"
}
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "□□□ □□□□ □□□□□□:email",
    "status" : 400
  }
}
```

□□□□ □□ □□ **2**

□□ □□

```
POST /join HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 89
Host: localhost:8080

{
```

```
"email" : "meta@nate.com",  
"password" : "meta1234",  
"username" : "meta1234"  
}
```

결과

```
{  
  "success" : false,  
  "response" : null,  
  "error" : {  
    "message" : "아이디, 비밀번호, 비밀번호 확인이 일치하지 않습니다.",  
    "status" : 400  
  }  
}
```

### 회원가입 테스트 3

결과

```
POST /join HTTP/1.1  
Content-Type: application/json;charset=UTF-8  
Content-Length: 105  
Host: localhost:8080
```

```
{  
  "email" : "ssarmango@nate.com",  
  "password" : "ssarmango1234!",  
  "username" : "ssarmango1234"  
}
```

결과

```
{  
  "success" : false,  
  "response" : null,  
  "error" : {  
    "message" : "이메일 : ssarmango@nate.com",  
    "status" : 400  
  }  
}
```



## □□□□ □□ □□ 4

□□ □□

```
POST /join HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 88
Host: localhost:8080
```

```
{
  "email" : "meta@nate.com",
  "password" : "meta12!",
  "username" : "meta1234"
}
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "800 200 □□□□ □□.:password",
    "status" : 400
  }
}
```

□□□

□□ □□

```
POST /login HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 67
Host: localhost:8080
```

```
{
  "email" : "ssarmango@nate.com",
  "password" : "meta1234!"
}
```

□□ □□

```
{
  "success" : true,
```

```
"response" : null,  
"error" : null  
}
```

## 000 00 00 1

00 00

```
POST /login HTTP/1.1  
Content-Type: application/json;charset=UTF-8  
Content-Length: 66  
Host: localhost:8080  
  
{  
  "email" : "ssarmangonate.com",  
  "password" : "meta1234!"  
}
```

00 00

```
{  
  "success" : false,  
  "response" : null,  
  "error" : {  
    "message" : "000 0000 000000:email",  
    "status" : 400  
  }  
}
```

## 000 00 00 2

00 00

```
POST /login HTTP/1.1  
Content-Type: application/json;charset=UTF-8  
Content-Length: 66  
Host: localhost:8080  
  
{  
  "email" : "ssarmango@nate.com",  
  "password" : "meta1234"  
}
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "□□, □□, □□□□□ □□□□□□□ □□ □□ □ □□□.:password",
    "status" : 400
  }
}
```

### □□□ □□ □□ 3

□□ □□

```
POST /login HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 62
Host: localhost:8080
```

```
{
  "email" : "asdf@nate.com",
  "password" : "meta1234!"
}
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "□□□□ □□ □□□□□.:asdf@nate.com",
    "status" : 401
  }
}
```

### □□□ □□ □□ 4

□□ □□

```
POST /login HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 65
Host: localhost:8080
```

```
{
  "email" : "ssarmango@nate.com",
  "password" : "meta12!"
}
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "8월 20일 00:00 00:00.:password",
    "status" : 400
  }
}
```

□□□□

□□□□ □□

□□ □□

```
POST /carts/add HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 45
Host: localhost:8080

[ {
  "optionId" : 3,
  "quantity" : 5
} ]
```

□□ □□

```
{
  "success" : true,
  "response" : null,
  "error" : null
}
```

## 테스트 1

요청

```
POST /carts/add HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 89
Host: localhost:8080
```

```
[ {
  "optionId" : 1,
  "quantity" : 5
}, {
  "optionId" : 1,
  "quantity" : 10
} ]
```

응답

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "옵션 ID가 존재하지 않습니다.",
    "status" : 400
  }
}
```

## 테스트 2

요청

```
POST /carts/add HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 48
Host: localhost:8080
```

```
[ {
  "optionId" : 1000,
  "quantity" : 5
} ]
```

응답

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "商品が在庫切れです。",
    "status" : 400
  }
}
```

商品が在庫切れ

商品が在庫切れ

```
GET /carts HTTP/1.1
Host: localhost:8080
```

商品が在庫切れ

```
{
  "success" : true,
  "response" : {
    "products" : [ {
      "id" : 1,
      "productName" : "商品名1 / 商品名2",
      "carts" : [ {
        "id" : 1,
        "option" : {
          "id" : 1,
          "optionName" : "01. 商品名1 商品名2 4",
          "price" : 10000
        },
        "quantity" : 5,
        "price" : 50000
      }, {
        "id" : 2,
        "option" : {
          "id" : 2,
          "optionName" : "02. 商品名1 商品名2 5",
          "price" : 10900
        },
        "quantity" : 1,
        "price" : 10900
      } ]
    }, {
      "id" : 4,
      "productName" : "商品名3 商品名4 2商品名5 / 商品名6",

```

```

    "carts" : [ {
      "id" : 3,
      "option" : {
        "id" : 16,
        "optionName" : "002_0000000000 6",
        "price" : 50000
      },
      "quantity" : 5,
      "price" : 250000
    } ]
  } ],
  "totalPrice" : 310900
},
"error" : null
}

```

## 테스트 방법

- 테스트를 위해 테스트 데이터를 update를 위해 테스트 데이터를.
- 테스트를 위해 테스트 데이터를, 테스트 데이터를 API를 테스트.

## 테스트 방법

```

POST /carts/update HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 44
Host: localhost:8080

```

```

[ {
  "cartId" : 1,
  "quantity" : 10
} ]

```

## 테스트 방법

```

{
  "success" : true,
  "response" : {
    "carts" : [ {
      "cartId" : 1,
      "optionId" : 1,
      "optionName" : "01. 0000 000 00000000 4",
      "quantity" : 10,
      "price" : 100000
    }, {
      "cartId" : 2,
      "optionId" : 2,

```

```

    "optionName" : "02. 0000 000 000000 50",
    "quantity" : 1,
    "price" : 10900
  }, {
    "cartId" : 3,
    "optionId" : 16,
    "optionName" : "00002_000000000000 600",
    "quantity" : 5,
    "price" : 250000
  } ],
  "totalPrice" : 360900
},
"error" : null
}

```

## 0000 00 00 00 1

00 00

```

POST /carts/update HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 86
Host: localhost:8080

[ {
  "cartId" : 1,
  "quantity" : 10
}, {
  "cartId" : 1,
  "quantity" : 10
} ]

```

00 00

```

{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "0000 0000 0000 000 000 000000.",
    "status" : 400
  }
}

```

## 0000 00 00 00 2



□□ □□

```
POST /carts/update HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 44
Host: localhost:8080
```

```
[ {
  "cartId" : 1,
  "quantity" : 10
} ]
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "□□□□□ □□ □□□ □□□□.",
    "status" : 400
  }
}
```

□□□□ □□ □□ □□ **3**

□□ □□

```
POST /carts/update HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 46
Host: localhost:8080
```

```
[ {
  "cartId" : 100,
  "quantity" : 10
} ]
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "□□ □□□ □□□□□ □□□□ □□ □□□ □ □□□□.",
    "status" : 400
  }
}
```

```
}  
}
```

□□

□□□□

□□ □□

```
POST /orders/save HTTP/1.1  
Host: localhost:8080
```

□□ □□

```
{  
  "success" : true,  
  "response" : {  
    "id" : 2,  
    "products" : [ {  
      "productName" : "□□ □□□ □□ □□□□/□□□□□ □□ □ □□□ □□",  
      "items" : [ {  
        "id" : 4,  
        "optionName" : "01. □□□ □□ □□□□□□ 4□",  
        "quantity" : 5,  
        "price" : 50000  
      }, {  
        "id" : 5,  
        "optionName" : "02. □□□ □□ □□□□□ 5□",  
        "quantity" : 1,  
        "price" : 10900  
      } ]  
    }, {  
      "productName" : "□□ □□□ □□□ 2□ □□□□□ / □ 7□",  
      "items" : [ {  
        "id" : 6,  
        "optionName" : "□□02_□□□□□□□□□ 6□",  
        "quantity" : 5,  
        "price" : 25000  
      } ]  
    } ],  
    "totalPrice" : 310900  
  },  
  "error" : null  
}
```

## □□□□ □□ □□ 1

□□ □□

```
POST /orders/save HTTP/1.1
Host: localhost:8080
```

□□ □□

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "□□□□□ □□□ □□□□ □□□□.",
    "status" : 400
  }
}
```

## □□ □□ □□

□□ □□

```
GET /orders/1 HTTP/1.1
Host: localhost:8080
```

□□ □□

```
{
  "success" : true,
  "response" : {
    "id" : 1,
    "products" : [ {
      "productName" : "□□□ □□□□ □□□ □□□□□□□□ □□□ □ □□□□ □□□",
      "items" : [ {
        "id" : 1,
        "optionName" : "01. □□□□ □□□ □□□□□□□□ 4□",
        "quantity" : 5,
        "price" : 50000
      }, {
        "id" : 2,
        "optionName" : "02. □□□□ □□□ □□□□□□□□ 5□",
        "quantity" : 1,
        "price" : 10900
      } ]
    } ]
  }
}
```

```
    }, {
      "productName" : "00 0000 0000 200 000000 / 0 70",
      "items" : [ {
        "id" : 3,
        "optionName" : "00002_0000000000 600",
        "quantity" : 5,
        "price" : 250000
      } ]
    } ],
    "totalPrice" : 310900
  },
  "error" : null
}
```

00 00 00 00 00 00 **1**

00 00

```
GET /orders/100 HTTP/1.1
Host: localhost:8080
```

00 00

```
{
  "success" : false,
  "response" : null,
  "error" : {
    "message" : "0000 00 00000.",
    "status" : 400
  }
}
```