

Test Case Document for Discount Management Application

- **Include Preloaded Database Data**

The following data is preloaded into the database to test APIs.

Use given data when required:

productId	Name	Quantity	Original Price
MOTOG60	Motorola Moto g 60	10	17000
XYZ123	Lenovo Laptop	5	50000
SSW667	Samsung watch	20	10000
SSW967	Samsung watch	0	10000

Tests

1. Create Discount with Valid Data:

Request Body

POST

localhost:8080/product/discount

Send

ParamsAuthorizationHeaders (8)BodyScriptsSettingsCookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

{

2

"productId": "SSW667",

3

"discountType": "flat",

4

"discountValue": "200",

5

"seasonalDiscountActive": true

6

}

Response Body

BodyCookiesHeaders (5)Test Results200 OK16 ms362 B

{ } JSONPreviewVisualize

1

{

2

"id": 3,

3

"productId": "SSW667",

4

"name": "Samsung watch",

5

"originalPrice": 10000,

6

"quantity": 20,

7

"discount": {

8

"id": 1,

9

"discountType": "flat",

10

"discountValue": 200,

11

"seasonalDiscountActive": true,

12

"finalPrice": 7300

13

}

14

}

2. Invalid data insertion

Missing productid

POSTlocalhost:8080/product/discount

ParamsAuthorizationHeaders (8)Body●Scripts

☐ none☐ form-data☐ x-www-form-urlencoded☒ raw

```
1 {
2   "discountType": "flat",
3   "discountValue": "200",
4   "seasonalDiscountActive": true
5 }
```

BodyCookiesHeaders (4)Test Results🔄

{} JSON▼▶ Preview🔗 Visualize▼

```
1 {
2   "errorCode": 400,
3   "errorMsg": "Product ID must not be empty."
4 }
```

- Wrong productid

POSTlocalhost:8080/product/discount

ParamsAuthorizationHeaders (8)Body●

☐ none☐ form-data☐ x-www-form-urlencoded

```
1 {
2   "productId": "SDF87",
3   "discountType": "flat",
4   "discountValue": "200",
5   "seasonalDiscountActive": true
6 }
```

BodyCookiesHeaders (4)Test Results🔄

{} JSON▼▶ Preview🔗 Visualize▼

```
1 {
2   "errorCode": 400,
3   "errorMsg": "This product is not available..."
4 }
```

- Data Type mis-match

POSTlocalhost:8080/product/discount

ParamsAuthorizationHeaders (8)Body●Scr

☐ none☐ form-data☐ x-www-form-urlencoded☒

```
1 {
2   "productId": "MOTOG60",
3   "discountType": "flat",
4   "discountValue": 200,
5   "seasonalDiscountActive": hghhj
6 }
```

BodyCookiesHeaders (4)Test Results🔄

{} JSON▼▶ Preview🔗 Visualize▼

```
1 {
2   "errorCode": 400,
3   "errorMsg": "Invalid input format. Please check the data types in your request."
4 }
```

- Out of stock

POST localhost:8080/product/discount

Params Authorization Headers (8) Body Scri

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒

```
1 {
2   "productId": "SSW967",
3   "discountType": "percentage",
4   "discountValue": 20,
5   "seasonalDiscountActive": false
6 }
```

Body Cookies Headers (4) Test Results

{ JSON Preview Visualize

```
1 {
2   "errorCode": 400,
3   "errorMsg": "this product is out of stock..."
4 }
```

- Wrong Discount type

POST localhost:8080/product/discount

Params Authorization Headers (8) Body Scri

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒

```
1 {
2   "productId": "XYZ123",
3   "discountType": "holi sale",
4   "discountValue": 40,
5   "seasonalDiscountActive": true
6 }
```

Body Cookies Headers (4) Test Results

{ JSON Preview Visualize

```
1 {
2   "errorCode": 400,
3   "errorMsg": "Discount should be 'flat' or 'percentage'."
4 }
```

- W Price will be 0 if final price exceed the original price

POST localhost:8080/product/discount

Params Authorization Headers (8) Body Scripts

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒

```
1 {
2   "productId": "XYZ123",
3   "discountType": "percentage",
4   "discountValue": 90,
5   "seasonalDiscountActive": true
6 }
```

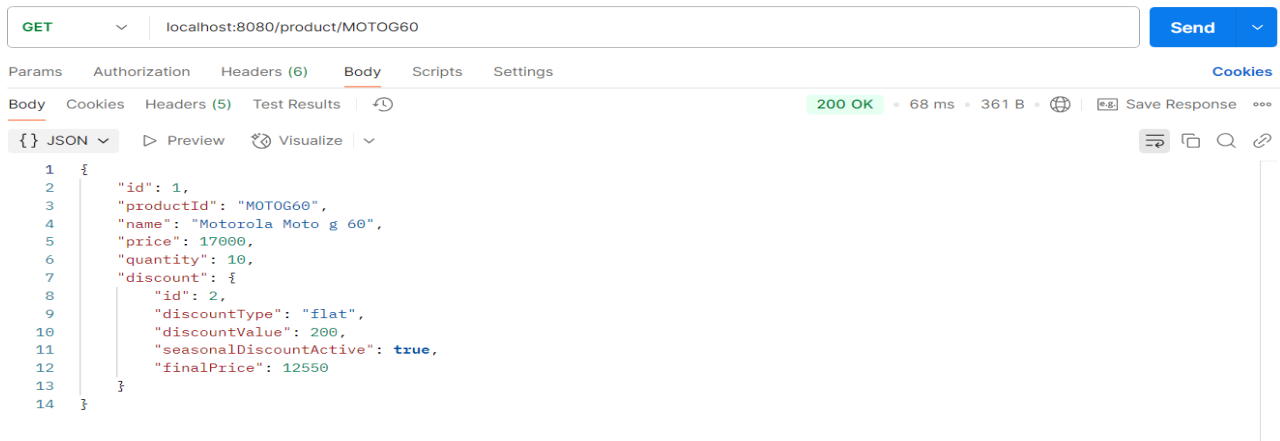
Body Cookies Headers (5) Test Results

{ JSON Preview Visualize

```
1 {
2   "id": 2,
3   "productId": "XYZ123",
4   "name": "Lenovo Laptop",
5   "originalPrice": 50000,
6   "quantity": 5,
7   "discount": {
8     "id": 3,
9     "discountType": "percentage",
10    "discountValue": 90,
11    "seasonalDiscountActive": true,
12    "finalPrice": 0
13  }
14 }
```

3. Get product details

- With right productid



GET localhost:8080/product/MOTOG60

Send

Params Authorization Headers (6) **Body** Scripts Settings

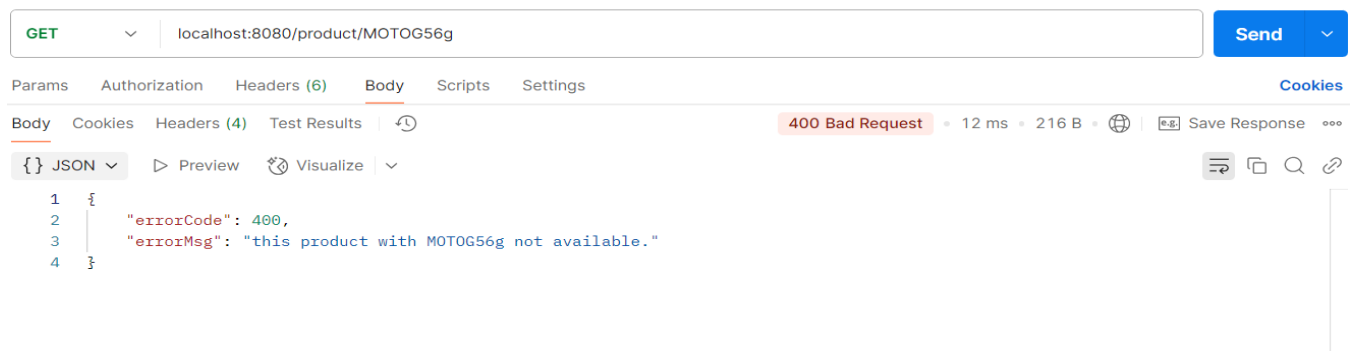
Body Cookies Headers (5) Test Results

200 OK • 68 ms • 361 B • Save Response

{ } JSON Preview Visualize

```
1 {
2   "id": 1,
3   "productId": "MOTOG60",
4   "name": "Motorola Moto g 60",
5   "price": 17000,
6   "quantity": 10,
7   "discount": {
8     "id": 2,
9     "discountType": "flat",
10    "discountValue": 200,
11    "seasonalDiscountActive": true,
12    "finalPrice": 12550
13  }
14 }
```

- With wrong productid



GET localhost:8080/product/MOTOG56g

Send

Params Authorization Headers (6) **Body** Scripts Settings

Body Cookies Headers (4) Test Results

400 Bad Request • 12 ms • 216 B • Save Response

{ } JSON Preview Visualize

```
1 {
2   "errorCode": 400,
3   "errorMsg": "this product with MOTOG56g not available."
4 }
```

-