

Shop coding challenge



Damon.Meng
xiangchen0814@gmail.com

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1 Global Parameter List

2 Directory Parameter List

2.1 shop

code challenging

2.2 admin

Description: *for admin(After logging in, place it in the header and use it to call the API.)*

Request Header Parameter Description:

Name	Example	Description
Authorization	eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJsbn2NhbC5zaG9wX2FwaS5jb20iLCJhdWQiOiJzaG9wliwianRpljoic2hvcDBqMWYyYTNjliwiaWF0IjoxNzAwODg0NDE3LCJuYmYiOiJlE3MDA4ODQ0MTcslmV4cCI6MTcwMzQ3NjQxNywicmFuZE51bSI6ODkyMDk4NiwidXNlcl9pZCI6IjliLlCJ1c2VybmFtZSI6ImFkbWluMSIsInBhc3N3b3JkljoizTEwYWRjMzk0OWJhNTlhYmJINTZIMDU3ZjlwZjg4M2UiLCJyb2xlljoIMSJ9.r0pvrFMH9n8qdycl2W3J9dRy_YNXhHL4YwmqLuAqQ	User Token, Used for User Authentication and Authorization

2.3 customer

Description: *for customer(After logging in, place it in the header and use it to call the API.)*

Request Parameter Description:

Name	Example	Description
Authorization	eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJsbn2NhbC5zaG9wX2FwaS5jb20iLCJhdWQiOiJzaG9wliwianRpljoic2	User Token, Used for User

	hvcDBqMWYyYTNjliwiaWF0ljoXNzAwODc3NzAyLCJuYmYiOjE3MDA4Nzc3MDIsImV4cCI6MTcwMzQ2OTcwMiwicmFuZE51bSI6MTU0NzczMCwidXNlcl9pZCI6IjEiL	Authentication and Authorization
	CJ1c2VybmFtZSI6InVzZXIxiwiwGFzc3dvcmQOiJIMTBhZGMzOTQ5YmE1OWFiYmU1NmUwNTdmMjBmODgzZSIsInJvbGUiOiIwLn0.4BMlaGMYx_lkpdUbqfK8hVB	
	oYJ_ZOCFMIHCy76A4Dhg	

3 Interface list

3.1 Admin

3.1.1 Cart details

Interface Status: *Completed*

interface URL: *http://yourUrl/admin/cart-info?cart_id=14*

Content-Type: *application/json*

Request Method: *get*

interface Description: *for admin*

URI Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description
cart_id	14	String	Y	Nan

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code
message	success!	String	response message
data		Object	response data
data.cart_id	14	String	Nan
data.user_id	1	String	Nan
data.product_id	1	String	id

data.quantity	10	String	quantity
data.sku	xxx11	String	product sku
data.status	0	String	0 pending 1 completed
data.created_at	2023-11-28 15:35:03	String	Nan
data.is_del	0	String	0 not deleted 1 deleted
data.updated_at	2023-11-28 15:38:48	String	Nan
data.name	111111	String	product sku
data.description	123231221	String	product description
data.price	100.00	String	product price
data.username	user1	String	username

Response Example:

```
{
  "errCode": 200,
  "message": "success!",
  "data": {
    "cart_id": "14",
    "user_id": "1",
    "product_id": "1",
    "quantity": "10",
    "sku": "xxx11",
    "status": "0",
    "created_at": "2023-11-28 15:35:03",
    "is_del": "0",
    "updated_at": "2023-11-28 15:38:48",
    "name": "111111",
    "description": "123231221",
    "price": "100.00",
    "username": "user1"
  }
}
```

}

3.1.2 Cart list

Interface Status: *Completed*

interface URL: *http://yourUrl/admin/cart-list*

Content-Type: *application/json*

Request Method: *get*

interface Description: *for admin*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description
product_id	1	String	Y	Nan
sku	xxx11	String	Y	Nan
description	12323122	String	Y	Nan
name	111111	String	Y	Nan
price	100	String	Y	Nan

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code
message	success!	String	response message
data		Object	response data
data.cart_id	14	String	Nan
data.user_id	1	String	Nan
data.product_id	1	String	id
data.quantity	10	String	quantity
data.sku	xxl1	String	product sku
data.status	0	String	0 pending 1

			completed
data.created_at	2023-11-28 15:35:03	String	Nan
data.is_del	0	String	0 not deleted 1 deleted
data.updated_at	2023-11-28 15:38:48	String	Nan
data.name	111111	String	product name
data.description	123231221	String	product description
data.price	100.00	String	product price
data.username	user1	String	username

Response Example:

```
{
  "errCode": 200,
  "message": "success!",
  "data": [
    {
      "cart_id": "14",
      "user_id": "1",
      "product_id": "1",
      "quantity": "10",
      "sku": "xxl1",
      "status": "0",
      "created_at": "2023-11-28 15:35:03",
      "is_del": "0",
      "updated_at": "2023-11-28 15:38:48",
      "name": "111111",
      "description": "123231221",
      "price": "100.00",
      "username": "user1"
    }
  ],
  {
```

```
        "cart_id": "19",
        "user_id": "1",
        "product_id": "1",
        "quantity": "10",
        "sku": "xxl1",
        "status": "0",
        "created_at": "2023-11-28 15:37:47",
        "is_del": "0",
        "updated_at": "2023-11-28 15:38:27",
        "name": "111111",
        "description": "123231221",
        "price": "100.00",
        "username": "user1"
    }
}
```

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description

3.1.3 Product edit

Interface Status: *Completed*

interface URL: *http://yourUrl/admin/product-set*

Content-Type: *application/json*

Request Method: *post*

interface Description: *for admin*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description
----------------	---------------	----------------	-----------	-----------------------

product_id	1	String	Y	id
sku	xxx11	String	Y	sku
description	123231221	String	Y	description
name	111111	String	Y	name
price	100	String	Y	price

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code
message	success!	String	response message
data		Object	response data

Response Example:

```
{"errCode":200,"message":"success!","data":[]}
```

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	4001	Integer	response code
message	update the product error	String	response message
data		Object	response data

Response Parameter Description:

```
{"errCode":4001,"message":"update the product error","data":[]}
```

3.1.4 Product list

Interface Status: *Completed*

interface URL: *http://yourUrl/admin/product-list*

Content-Type: application/json

Request Method: *get*

interface Description: *for admin*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code
message	success!	String	response message
data		Object	response data
data.product_id	1	String	id
data.sku	xxx11	String	product sku
data.name	111111	String	product name
data.description	123231221	String	product description
data.price	100.00	String	product price

Response Example:

```
{
  "errCode": 200,
  "message": "success!",
  "data": [
    {
      "product_id": "1",
      "sku": "xxx11",
      "name": "111111",
      "description": "123231221",
      "price": "100.00"
    },
    {
```

```
        "product_id": "2",
        "sku": "M,M1,M2",
        "name": "test2_name",
        "description": "test2_desc",
        "price": "50.00"
    },
    {
        "product_id": "3",
        "sku": "XL,XL1,XL2",
        "name": "test3_name",
        "description": "test3_desc",
        "price": "20.00"
    }
]
}
```

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description

3.2 Customer

3.2.1 Cart total and price

Interface Status: *Completed*

interface URL: *http://yourUrl/customer/cart-total-price*

Content-Type: *application/json*

Request Method: *get*

interface Description: *for customer*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code
message	success!	String	response message
data		Object	response data
data.total	20	Integer	item total
data.total_price	2,000.00	String	item total price

Response Example:

```
{
  "errCode": 200,
  "message": "success!",
  "data": {
    "total": 20,
    "total_price": "2,000.00"
  }
}
```

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description

3.2.2 Cart add

Interface Status: *Completed*

interface URL: *http://yourUrl/customer/cart_add*

Content-Type: application/json

Request Method: *post*

interface Description: *for customer*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description
product_id	12	String	Y	product_id
quantity	10	String	Y	quantity
sku	xxl1	String	Y	product sku

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code
message	success!	String	response message
data		Object	response data

Response Example:

```
{"errCode":200,"message":"success!","data":[]}
```

Response Parameter Description

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	3001	Integer	response code
message	That item already exists in the shopping cart	String	response message
data		Object	response data

Response Parameter Description:

```
{"errCode":3001,"message":"That item already exists in the shopping cart","data":[]}
```

3.2.3 Cart list

Interface Status: *Completed*

interface URL: *http://yourUrl/customer/cart-list*

Content-Type: *application/json*

Request Method: *get*

interface Description: *for customer*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code
message	success!	String	response message
data		Object	response data
data.cart_id	14	String	Nan
data.user_id	1	String	Nan
data.product_id	1	String	id
data.quantity	10	String	cart.quantity
data.sku	xxl1	String	cart sku
data.status	0	String	0 pending 1 Completed
data.created_at	2023-11-28 15:35:03	String	Nan
data.name	111111	String	product name
data.price	100.00	String	product price
data.description	123231221	String	product description

Response Example:

```
{  
  "errCode": 200,  
}
```



```
"message": "success!",
"data": [
  {
    "cart_id": "14",
    "user_id": "1",
    "product_id": "1",
    "quantity": "10",
    "sku": "xxl1",
    "status": "0",
    "created_at": "2023-11-28 15:35:03",
    "name": "111111",
    "price": "100.00",
    "description": "123231221"
  },
  {
    "cart_id": "19",
    "user_id": "1",
    "product_id": "1",
    "quantity": "10",
    "sku": "xxl1",
    "status": "0",
    "created_at": "2023-11-28 15:37:47",
    "name": "111111",
    "price": "100.00",
    "description": "123231221"
  }
]
```

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
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3.2.4 Product lis

Interface Status: *Completed*

interface URL: *http://yourUrl/customer/product-list*

Content-Type: *application/json*

Request Method: *get*

interface Description: *for customer*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code
message	success!	String	response message
data		Object	response data
data.product_id	1	String	id
data.sku	xxx11	String	product sku
data.name	111111	String	product name
data.description	123231221	String	product description
data.price	100.00	String	product price
data.cart_info		Object	cart info(if add to cart)
data.cart_info.quantity	20	Integer	quantity
data.skuList	xxx11	String	Nan

Response Example:

```
{
  "errCode": 200,
  "message": "success!",
  "data": [
    {
      "product_id": "1",
      "sku": "xxx1",
      "name": "111111",
      "description": "123231221",
      "price": "100.00",
      "cart_info": {
        "quantity": 20
      },
      "skuList": [
        "xxx1"
      ]
    },
    {
      "product_id": "2",
      "sku": "M,M1,M2",
      "name": "test2_name",
      "description": "test2_desc",
      "price": "50.00",
      "cart_info": {
        "quantity": 0
      },
      "skuList": [
        "M",
        "M1",
        "M2"
      ]
    }
  ]
}
```

```
    },
    {
      "product_id": "3",
      "sku": "XL,XL1,XL2",
      "name": "test3_name",
      "description": "test3_desc",
      "price": "20.00",
      "cart_info": {
        "quantity": 0
      },
      "skuList": [
        "XL",
        "XL1",
        "XL2"
      ]
    }
  ]
}
```

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description

3.3 Basic

3.3.1 Users login

Interface Status: *Completed*

interface URL: *http://yourUrl/user/login*

Content-Type: *application/json*

Request Method: *get*

interface Description: *user login interface by default*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description

3.3.2 User login action

Interface Status: *Completed*

interface URL: *http://yourUrl/user/doLogin*

Content-Type: *application/json*

Request Method: *post*

interface Description: *do login action*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description
username	admin1	String	Y	username
password	1234561	String	Y	password

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	response code

message	success!	String	response message
data		Object	response data
data.authorization	eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJsY2NhbC5zaG9wX2FwaS5jb20iLCJhdWQiOiJzaG9wliwiaWZlbnRpljoic2hvcDBqMWYyYTNjliwiaWF0IjoxNzAxMTM4MTY2LCJuYmYiOiE3MDEzMzg4cCI6MTcwMzczMDE2NiwicmFuZE51bSI6NzgxNjc4NCwidXNlcl9pZCI6IjliLCJ1c2VybmFtZSI6ImFkbWluMSIsInBhc3N3b3JkljoizTEwYWRjMzk0OWJhNTIhYmJlNTZIMDU3ZjlwZjg4M2UiLCJyb2xlljoiaMSJ9.PlnFX-oXEckcAQctZsA3sc3W8HDGqwFI8pWNJ0F-4sk	String	user authentication
data.redirect_url	http://yourUrl/html/admin/product-list.html	String	redirect url

Response Example:

```
{
  "errCode": 200,
  "message": "success!",
  "data": {
    "authorization":
"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJsY2NhbC5zaG9wX2FwaS5jb20iLCJhdWQiOiJzaG9wliwiaWZlbnRpljoic2hvcDBqMWYyYTNjliwiaWF0IjoxNzAxMTM4MTY2LCJuYmYiOiE3MDEzMzg4cCI6MTcwMzczMDE2NiwicmFuZE51bSI6NzgxNjc4NCwidXNlcl9pZCI6IjliLCJ1c2VybmFtZSI6ImFkbWluMSIsInBhc3N3b3JkljoizTEwYWRjMzk0OWJhNTIhYmJlNTZIMDU3ZjlwZjg4M2UiLCJyb2xlljoiaMSJ9.PlnFX-oXEckcAQctZsA3sc3W8HDGqwFI8pWNJ0F-4sk",
    "redirect_url": "http://yourUrl/html/admin/product-list.html"
  }
}
```

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	2003	Integer	response code
message	Invalid user information	String	response message
data		Object	response data

Response Parameter Description:

```
{"errCode":2003,"message":"Invalid user information","data":[]}
```

3.3.3 User register action

Interface Status: *Completed*

interface URL: *http://yourUrl/user/doRegister*

Content-Type: *application/json*

Request Method: *post*

interface Description: *user register*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description
username	admin2	String	Y	Nan
password	123456	String	Y	Nan
role	1	String	Y	Role: 0 - Customer, 1 - Admin

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description

Response Parameter Description:

Parameter Name	Example Value	Parameter	Parameter
----------------	---------------	-----------	-----------

		Type	Description

3.3.4 Index

Interface Status: *Completed*

interface URL: *http://yourUrl/*

Content-Type: *application/json*

Request Method: *post*

interface Description: *index*

Request Parameter Description:

Parameter Name	Example Value	Parameter Type	Mandatory	Parameter Description

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
errCode	200	Integer	code
message	Please log in again!	String	message
data		Object	response data

Response Example:

```
{
  "errCode": 200,
  "message": "Please log in again!",
  "data": []
}
```

Response Parameter Description:

Parameter Name	Example Value	Parameter Type	Parameter Description
----------------	---------------	----------------	-----------------------

errCode	2001	Integer	Nan
message	Please log in again!	String	Nan
data		Object	Nan

Response Parameter Description:

```
{  
  "errCode": 2001,  
  "message": "Please log in again!",  
  "data": []  
}
```

4 Reference

4.1 Project Status Code Dictionary

Code	Description
1000	Parameter is wrong
1102	Email format error
1103	Phone number format error'
2001	Please log in again!
2002	Redirect !
2003	Invalid user information
3001	That item already exists in the shopping cart
4001	Add order error
5001	Update the product error