

## Register

<http://0.0.0.0:8080/api/register> (POST)

### Request

```
{
  "address": "WWW",
  "birthdate": "2023-04-27T09:35:44.556Z",
  "email": "ghiffaryr@domain.com",
  "gender": true,
  "image": "https://upload.wikimedia.org/wikipedia/id/5/5c/Spongebob-squarepants.png",
  "name": "Ghiffary Rifqialdi",
  "password": "Password1#",
  "phone": "+628999999999",
  "recoveryPhrase": "what zit tooya",
  "role": "ROLE_CUSTOMER"
}
```

### Response

```
{
  "id": 1,
  "email": "ghiffaryr@domain.com",
  "name": "Ghiffary Rifqialdi",
  "image": "https://upload.wikimedia.org/wikipedia/id/5/5c/Spongebob-squarepants.png",
  "phone": "+628999999999",
  "address": "WWW",
  "gender": true,
  "birthdate": "2023-04-27T09:35:44.556",
  "active": true,
  "role": "ROLE_CUSTOMER",
  "createTime": "2023-04-28T04:51:54.550713",
  "updateTime": "2023-04-28T04:51:54.550864"
}
```

### Exception

```
{
  "errors": [
    {
      "code": 0,
      "message": "Name must not be blank"
    },
    {
      "code": 0,
      "message": "Role must not be blank"
    },
    {
      "code": 0,
      "message": "Invalid email address"
    },
    {
      "code": 0,

```

```

        "message": "Password must be at least 8 characters long containing at
least 1 uppercase letter, 1 lowercase letter, 1 number, and 1 special character"
    }
]
}

{
  "errors": [
    {
      "code": 81,
      "message": "User already exists!"
    }
  ]
}

```

## Login

<http://0.0.0.0:8080/api/login> (POST)

Request

```

{
  "password": "Password1#",
  "username": "customer@domain.com"
}

```

Response

```

{
  "token":
"eyJhbGciOiJIUzUxMiJ9.eyJzdWliOiJpjdXN0b21lckBkb21haW4uY29tliwiaWF0IjoxNj
gyNTg4NzM3LCJleHAiOiJlE2ODI2NzUxMzd9.lw13023WAESBzMlcvZ0z2PaI2TAPG
SUIjUFdtKrnBTqi8qK2s-DgzZvRzqaYENY_iqNg5KRWhfZAAyYhRL5jw",
  "type": "Bearer",
  "email": "customer@domain.com"
}

```

Exception

```

{
  "errors": [
    {
      "code": "500",
      "message": "Bad credentials"
    }
  ]
}

```

## View Profile

<http://0.0.0.0:8080/api/profile> (GET)

Response

```

{
  "id": 1,
  "email": "ghiffaryr@domain.com",
  "name": "Ghiffary Rifqialdi",
}

```

```
"image": "https://upload.wikimedia.org/wikipedia/id/5/5c/Spongebob-squarepants.png",
"phone": "+628999999999",
"address": "WWW",
"gender": true,
"birthdate": "2023-04-27T09:35:44.556",
"active": true,
"role": "ROLE_CUSTOMER",
"createTime": "2023-04-28T04:51:54.550713",
"updateTime": "2023-04-28T04:51:54.550864"
```

## Update Profile

<http://0.0.0.0:8080/api/profile> (PATCH)

Request

```
{
  "address": "New World"
}
```

Response

```
{
  "id": 1,
  "email": "ghiffaryr@domain.com",
  "name": "Ghiffary Rifqialdi",
  "image": "https://upload.wikimedia.org/wikipedia/id/5/5c/Spongebob-squarepants.png",
  "phone": "+628999999999",
  "address": "New World",
  "gender": true,
  "birthdate": "2023-04-27T09:35:45",
  "active": true,
  "role": "ROLE_CUSTOMER",
  "createTime": "2023-04-28T04:51:55",
  "updateTime": "2023-04-28T04:55:21.782948"
}
```

Recovery

<http://0.0.0.0:8080/api/recovery> (PUT)

Request

```
{
  "email": "ghiffaryr@domain.com",
  "recoveryPhrase": "what zit tooya"
}
```

Response

```
{
  "email": "ghiffaryr@domain.com",
  "password": "G\\1Qc&zv"
}
```

Exception

```
{
  "errors": [
    {
      "code": 0,
      "message": "Recovery phrase must not be blank"
    }
  ]
}
{
  "errors": [
    {
      "code": 80,
      "message": "User is not found!"
    }
  ]
}
```

### **Deactivate Profile**

<http://0.0.0.0:8080/api/profile/deactivate> (PATCH)

Response

```
{
  "id": 1,
  "email": "ghiffaryr@domain.com",
  "name": "Ghiffary Rifqialdi",
  "image": "https://upload.wikimedia.org/wikipedia/id/5/5c/Spongebob-squarepants.png",
  "phone": "+628999999999",
  "address": "New World",
  "gender": true,
  "birthdate": "2023-04-27T09:35:45",
  "active": false,
  "role": "ROLE_CUSTOMER",
  "createTime": "2023-04-28T04:51:55",
  "updateTime": "2023-04-28T04:59:13.420928"
}
```

### **Create Product Category**

<http://0.0.0.0:8080/api/seller/category/create> (POST)

Request

```
{
  "productCategoryCode": "autots",
  "productCategoryImage":
  "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
  "productCategoryName": "AutoTS",
  "productCategoryDescription": "AutoTS Algorithm"
}
```

Response

```
{
  "productCategoryId": 5,
  "productCategoryName": "AutoTS",
  "productCategoryCode": "autots",
  "productCategoryDescription": "AutoTS Algorithm",
  "productCategoryImage":
  "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
  "createTime": "2023-04-28T13:18:42.06829",
  "updateTime": "2023-04-28T13:18:42.068428"
}
```

Exception

```
{
  "errors": [
    {
      "code": 0,
      "message": "Product category code must not be blank"
    },
    {
      "code": 0,
      "message": "Product category name must not be blank"
    }
  ]
}
```

### **View All Product Categories**

<http://0.0.0.0:8080/api/category> (GET)

Response

```
{
  "content": [
    {
      "productCategoryId": 5,
      "productCategoryName": "AutoTS",
      "productCategoryCode": "autots",
      "productCategoryImage":
      "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
      "createTime": "2023-04-28T05:01:50",
      "updateTime": "2023-04-28T05:01:50"
    },
    {
      "productCategoryId": 6,
      "productCategoryName": "Facebook Prophet",
      "productCategoryCode": "facebookprophet",
      "productCategoryImage":
      "https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_%282019%29.svg",
      "createTime": "2023-04-28T05:04:00",
      "updateTime": "2023-04-28T05:04:00"
    },
  ]
}
```

```

    {
      "productCategoryId": 7,
      "productCategoryName": "Neural Prophet",
      "productCategoryCode": "neuralprophet",
      "productCategoryImage":
"https://user-images.githubusercontent.com/21246060/111388960-6c367e80-
866d-11eb-91c1-46f2c0d21879.PNG",
      "createTime": "2023-04-28T05:04:37",
      "updateTime": "2023-04-28T05:04:37"
    }
  ],
  "pageable": {
    "sort": {
      "sorted": false,
      "unsorted": true,
      "empty": true
    },
    "offset": 0,
    "pageNumber": 0,
    "pageSize": 3,
    "paged": true,
    "unpaged": false
  },
  "totalPages": 1,
  "last": true,
  "totalElements": 3,
  "number": 0,
  "sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
  },
  "size": 3,
  "first": true,
  "numberOfElements": 3,
  "empty": false
}

```

## Create Product

<http://0.0.0.0:8080/api/seller/product/create> (POST)

Request

```

{
  "productCategoryCode": "autots",
  "productCode": "autots1m",
  "productDescription": "High performance AI quant assistant backed by
ensemble method",
  "productImage":
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_12
80.png",
  "productName": "Stock Market AI Assistant 1 Month Subscription",
  "productPeriod": 1,

```

```
"productPrice": 7,  
"productStatus": 1  
}
```

Response

```
{  
  "productId": 8,  
  "productCode": "autots1m",  
  "productName": "Stock Market AI Assistant 1 Month Subscription",  
  "productPrice": 7,  
  "productPeriod": 1,  
  "productDescription": "High performance AI quant assistant backed by  
ensemble method",  
  "productImage":  
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_12  
80.png",  
  "productStatus": 1,  
  "productCategoryCode": "autots",  
  "createTime": "2023-04-28T13:44:25.041479",  
  "updateTime": "2023-04-28T13:44:25.043334"  
}
```

Exception

```
{  
  "errors": [  
    {  
      "code": 0,  
      "message": "Product code must not be blank"  
    },  
    {  
      "code": 0,  
      "message": "Product name must not be blank"  
    },  
    {  
      "code": 0,  
      "message": "Product category code must not be blank"  
    }  
  ]  
}
```

### **View All Product Categories**

<http://0.0.0.0:8080/api/category> (GET)

Response

```
{  
  "content": [  
    {  
      "productCategoryId": 5,  
      "productCategoryName": "AutoTS",  
      "productCategoryCode": "autots",  
      "productCategoryDescription": "AutoTS Algorithm",  
    }  
  ]  
}
```

```
    "productCategoryImage":  
    "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_12  
80.png",  
    "createTime": "2023-04-28T13:18:42",  
    "updateTime": "2023-04-28T13:18:42"  
  },  
  {  
    "productCategoryId": 6,  
    "productCategoryName": "Facebook Prophet",  
    "productCategoryCode": "facebookprophet",  
    "productCategoryDescription": "Facebook Prophet Algorithm",  
    "productCategoryImage":  
    "https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_  
%282019%29.svg",  
    "createTime": "2023-04-28T13:20:13",  
    "updateTime": "2023-04-28T13:20:13"  
  },  
  {  
    "productCategoryId": 7,  
    "productCategoryName": "Neural Prophet",  
    "productCategoryCode": "neuralprophet",  
    "productCategoryDescription": "Neural Prophet Algorithm",  
    "productCategoryImage":  
    "https://user-images.githubusercontent.com/21246060/111388960-6c367e80-  
866d-11eb-91c1-46f2c0d21879.PNG",  
    "createTime": "2023-04-28T13:22:15",  
    "updateTime": "2023-04-28T13:22:15"  
  }  
],  
"pageable": {  
  "sort": {  
    "sorted": false,  
    "unsorted": true,  
    "empty": true  
  },  
  "offset": 0,  
  "pageNumber": 0,  
  "pageSize": 3,  
  "paged": true,  
  "unpaged": false  
},  
"totalElements": 3,  
"totalPages": 1,  
"last": true,  
"number": 0,  
"sort": {  
  "sorted": false,  
  "unsorted": true,  
  "empty": true  
},  
"size": 3,  
"first": true,
```



```
    "numberOfElements": 3,  
    "empty": false  
}
```

### **View Product Category**

<http://0.0.0.0:8080/api/category/{productCategoryId}> (GET)

Param

{productCategoryId} = autots

Response

```
{  
  "productId": 5,  
  "productName": "AutoTS",  
  "productCode": "autots",  
  "productDescription": "AutoTS Algorithm",  
  "productImage":  
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",  
  "createTime": "2023-04-28T13:18:42",  
  "updateTime": "2023-04-28T13:18:42"  
}
```

### **View All Products By Product Category**

<http://0.0.0.0:8080/api/category/{productCategoryId}/product?page=1&size=3> (GET)

Request

{productCategoryId} = autots

Response

```
{  
  "productId": 5,  
  "productName": "AutoTS",  
  "productCode": "autots",  
  "productDescription": "AutoTS Algorithm",  
  "productImage":  
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",  
  "createTime": "2023-04-28T13:18:42",  
  "updateTime": "2023-04-28T13:18:42"  
}
```

### **View All On Sale Products By Product Category**

<http://0.0.0.0:8080/api/category/{productCategoryId}/product/onsale?page=1&size=3> (GET)

Param

{productCategoryId} = autots

Response

```

{
  "productCategoryName": "AutoTS",
  "productCategoryCode": "autots",
  "productCategoryDescription": "AutoTS Algorithm",
  "productCategoryImage":
  "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
  "createTime": "2023-04-28T13:18:42",
  "updateTime": "2023-04-28T13:18:42",
  "page": {
    "content": [
      {
        "productId": 8,
        "productCode": "autots1m",
        "productName": "Stock Market AI Assistant 1 Month Subscription",
        "productPrice": 7.00,
        "productPeriod": 1,
        "productDescription": "High performance AI quant assistant backed
by ensemble method",
        "productImage":
        "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
        "productStatus": 1,
        "productCategoryCode": "autots",
        "createTime": "2023-04-28T13:44:25",
        "updateTime": "2023-04-28T13:44:25"
      },
      {
        "productId": 9,
        "productCode": "autots3m",
        "productName": "Stock Market AI Assistant 3 Month Subscription",
        "productPrice": 20.00,
        "productPeriod": 3,
        "productDescription": "High performance AI quant assistant backed
by ensemble method",
        "productImage":
        "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
        "productStatus": 1,
        "productCategoryCode": "autots",
        "createTime": "2023-04-28T13:50:11",
        "updateTime": "2023-04-28T13:50:11"
      },
      {
        "productId": 10,
        "productCode": "autots6m",
        "productName": "Stock Market AI Assistant 6 Month Subscription",
        "productPrice": 37.00,
        "productPeriod": 6,
        "productDescription": "High performance AI quant assistant backed
by ensemble method",

```

```

        "productImage":
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
        "productStatus": 1,
        "productCategoryCode": "autots",
        "createTime": "2023-04-28T13:50:46",
        "updateTime": "2023-04-28T13:50:46"
    }
},
"pageable": {
    "sort": {
        "sorted": false,
        "unsorted": true,
        "empty": true
    },
    "offset": 0,
    "pageNumber": 0,
    "pageSize": 3,
    "paged": true,
    "unpaged": false
},
"totalElements": 3,
"last": true,
"totalPages": 1,
"number": 0,
"sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
},
"size": 3,
"first": true,
"numberOfElements": 3,
"empty": false
}
}

```

### **View All Off Sale Products By Product Category**

http://0.0.0.0:8080/api/category/{productCategoryCode}/product/offsale?
page=1&size=3 (GET)

Param

{productCategoryCode} = autots

Response

```

{
    "productCategoryName": "AutoTS",
    "productCategoryCode": "autots",
    "productCategoryDescription": "AutoTS Algorithm",
    "productCategoryImage":
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",

```

```

"createTime": "2023-04-28T13:18:42",
"updateTime": "2023-04-28T13:18:42",
"page": {
  "content": [
    {
      "productId": 17,
      "productCode": "autots12m",
      "productName": "Stock Market AI Assistant 12 Month Subscription",
      "productPrice": 70.00,
      "productPeriod": 12,
      "productDescription": "High performance AI quant assistant backed
by ensemble method",
      "productImage":
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_12
80.png",
      "productStatus": 0,
      "productCategoryCode": "autots",
      "createTime": "2023-04-28T14:39:45",
      "updateTime": "2023-04-28T14:41:51"
    }
  ],
  "pageable": {
    "sort": {
      "sorted": false,
      "unsorted": true,
      "empty": true
    },
    "offset": 0,
    "pageNumber": 0,
    "pageSize": 3,
    "paged": true,
    "unpaged": false
  },
  "totalElements": 1,
  "last": true,
  "totalPages": 1,
  "number": 0,
  "sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
  },
  "size": 3,
  "first": true,
  "numberOfElements": 1,
  "empty": false
}
}

```

### **Product Category Predict (Direct Python)**

<http://0.0.0.0:8000/api/predict> (POST)

## Request

```
{
  "model_choice":"facebookprophet",
  "forecasting_horizon":1,
  "stock_code":"TLKM.jk",
  "training_window":1
}
```

## Response

```
{
  "data": [
    {
      "marker": {
        "color": "blue"
      },
      "name": "<b style=\\"color:sandybrown\\">[R]</b> Actual"
    },
    {
      "x": "2004-09-28T00:00:00",
      "y": 7.0
    },
    {
      "x": "2004-10-04T00:00:00",
      "y": 7.1
    },
    {
      "x": "2004-10-07T00:00:00",
      "y": 7.2
    },
    {
      "x": "2004-10-13T00:00:00",
      "y": 7.3
    },
    {
      "x": "2004-10-19T00:00:00",
      "y": 7.4
    },
    {
      "x": "2004-10-26T00:00:00",
      "y": 7.5
    },
    {
      "x": "2004-11-03T00:00:00",
      "y": 7.6
    },
    {
      "x": "2004-11-08T00:00:00",
      "y": 7.7
    },
    {
      "x": "2004-11-21T00:00:00",
      "y": 7.8
    },
    {
      "x": "2004-11-24T00:00:00",
      "y": 7.9
    },
    {
      "x": "2004-12-02T00:00:00",
      "y": 8.0
    },
    {
      "x": "2004-12-10T00:00:00",
      "y": 8.1
    },
    {
      "x": "2004-12-14T00:00:00",
      "y": 8.2
    },
    {
      "x": "2004-12-19T00:00:00",
      "y": 8.3
    },
    {
      "x": "2004-12-26T00:00:00",
      "y": 8.4
    },
    {
      "x": "2005-01-07T00:00:00",
      "y": 8.5
    },
    {
      "x": "2005-01-12T00:00:00",
      "y": 8.6
    },
    {
      "x": "2005-01-15T00:00:00",
      "y": 8.7
    },
    {
      "x": "2005-01-23T00:00:00",
      "y": 8.8
    },
    {
      "x": "2005-02-01T00:00:00",
      "y": 8.9
    },
    {
      "x": "2005-02-08T00:00:00",
      "y": 9.0
    },
    {
      "x": "2005-02-15T00:00:00",
      "y": 9.1
    },
    {
      "x": "2005-02-23T00:00:00",
      "y": 9.2
    },
    {
      "x": "2005-02-25T00:00:00",
      "y": 9.3
    },
    {
      "x": "2005-03-09T00:00:00",
      "y": 9.4
    },
    {
      "x": "2005-03-14T00:00:00",
      "y": 9.5
    },
    {
      "x": "2005-03-23T00:00:00",
      "y": 9.6
    },
    {
      "x": "2005-03-30T00:00:00",
      "y": 9.7
    },
    {
      "x": "2005-04-04T00:00:00",
      "y": 9.8
    },
    {
      "x": "2005-04-13T00:00:00",
      "y": 9.9
    },
    {
      "x": "2005-04-19T00:00:00",
      "y": 10.0
    },
    {
      "x": "2005-04-21T00:00:00",
      "y": 10.1
    },
    {
      "x": "2005-05-03T00:00:00",
      "y": 10.2
    },
    {
      "x": "2005-05-09T00:00:00",
      "y": 10.3
    },
    {
      "x": "2005-05-16T00:00:00",
      "y": 10.4
    },
    {
      "x": "2005-05-20T00:00:00",
      "y": 10.5
    },
    {
      "x": "2005-05-29T00:00:00",
      "y": 10.6
    },
    {
      "x": "2005-06-02T00:00:00",
      "y": 10.7
    },
    {
      "x": "2005-06-12T00:00:00",
      "y": 10.8
    },
    {
      "x": "2005-06-20T00:00:00",
      "y": 10.9
    },
    {
      "x": "2005-06-23T00:00:00",
      "y": 11.0
    },
    {
      "x": "2005-07-01T00:00:00",
      "y": 11.1
    },
    {
      "x": "2005-07-08T00:00:00",
      "y": 11.2
    },
    {
      "x": "2005-07-12T00:00:00",
      "y": 11.3
    },
    {
      "x": "2005-07-22T00:00:00",
      "y": 11.4
    },
    {
      "x": "2005-07-29T00:00:00",
      "y": 11.5
    },
    {
      "x": "2005-08-03T00:00:00",
      "y": 11.6
    },
    {
      "x": "2005-08-10T00:00:00",
      "y": 11.7
    },
    {
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"plot_bgcolor": "#E5ECF6", "polar": {"angularaxis": {"gridcolor": "white",
"linecolor": "white", "ticks": ""}, "bgcolor": "#E5ECF6", "radialaxis":
{"gridcolor": "white", "linecolor": "white", "ticks": ""}}, "scene": {"xaxis":
{"backgroundcolor": "#E5ECF6", "gridcolor": "white", "gridwidth": 2,
"linecolor": "white", "showbackground": true, "ticks": "", "zerolinecolor":
"white"}, "yaxis": {"backgroundcolor": "#E5ECF6", "gridcolor": "white",
"gridwidth": 2, "linecolor": "white", "showbackground": true, "ticks": "",
"zerolinecolor": "white"}, "zaxis": {"backgroundcolor": "#E5ECF6", "gridcolor":
"white", "gridwidth": 2, "linecolor": "white", "showbackground": true, "ticks": "",
"zerolinecolor": "white"}}, "shapedefaults": {"line": {"color": "#2a3f5f"}},
"ternary": {"aaxis": {"gridcolor": "white", "linecolor": "white", "ticks": ""},
"baxis":
{"gridcolor": "white", "linecolor": "white", "ticks": ""}, "bgcolor": "#E5ECF6",
"caxis": {"gridcolor": "white", "linecolor": "white", "ticks": ""}}, "title": {"x":
0.05}, "xaxis": {"automargin": true, "gridcolor": "white", "linecolor": "white",
"ticks": "", "title": {"standoff": 15}, "zerolinecolor": "white", "zerolinewidth": 2},
"yaxis": {"automargin": true, "gridcolor": "white", "linecolor": "white", "ticks":
"", "title": {"standoff": 15}, "zerolinecolor": "white", "zerolinewidth": 2}}},
"title": {"text": "Close Neural Prophet Prediction 30 Days Forecasting Horizon",
"x": 0.5, "xanchor": "center", "y": 0.9, "yanchor": "top"}, "xaxis": {"title":
{"text": "Time"}}, "yaxis": {"title": {"text": "Price (USD)"}}}]}
```

Exception

```
{
  "errors": [
    {
      "code": 400,
      "message": "Unsupported model choice!"
    }
  ]
}
```

### **Update Product Category**

<http://0.0.0.0:8080/api/seller/category/{productCategoryId}/update> (PUT)

Param

{productCategoryId} = autots

Request

```
{
  "productCategoryId": "autotimeseries",
  "productCategoryDescription": "Auto Time Series Algorithm",
  "productCategoryImage":
  "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
  "productCategoryName": "Auto Time Series"
}
```

Response

```
{
  "productCategoryId": 5,
  "productCategoryName": "Auto Time Series",
  "productCategoryId": "autotimeseries",
  "productCategoryDescription": "Auto Time Series Algorithm",
  "productCategoryImage":
  "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
  "createTime": "2023-04-28T13:18:42",
  "updateTime": "2023-05-01T11:28:24.003079"
}
```

### **Delete Product Category**

<http://0.0.0.0:8080/api/seller/category/{productCategoryId}/delete> (DELETE)

Param

{productCategoryId} = autots

### **View All Products**

<http://0.0.0.0:8080/api/product?page={page}&size={size}> (GET)

Params

page = 1

size = 9

Response

```
{
  "content": [
    {
      "productId": 17,
      "productCode": "autots12m",
      "productName": "Stock Market AI Assistant 12 Month Subscription",
      "productPrice": 70.00,
      "productPeriod": 12,
      "productDescription": "High performance AI quant assistant backed by ensemble method",
      "productImage":
        "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
      "productStatus": 0,
      "productCategoryCode": "autots",
      "createTime": "2023-04-28T14:39:45",
      "updateTime": "2023-04-28T14:41:51"
    },
    {
      "productId": 8,
      "productCode": "autots1m",
      "productName": "Stock Market AI Assistant 1 Month Subscription",
      "productPrice": 7.00,
      "productPeriod": 1,
      "productDescription": "High performance AI quant assistant backed by ensemble method",
      "productImage":
        "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
      "productStatus": 1,
      "productCategoryCode": "autots",
      "createTime": "2023-04-28T13:44:25",
      "updateTime": "2023-04-28T13:44:25"
    },
    {
      "productId": 9,
      "productCode": "autots3m",
      "productName": "Stock Market AI Assistant 3 Month Subscription",
      "productPrice": 20.00,
      "productPeriod": 3,
      "productDescription": "High performance AI quant assistant backed by ensemble method",
      "productImage":
        "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
      "productStatus": 1,
      "productCategoryCode": "autots",
      "createTime": "2023-04-28T13:50:11",
      "updateTime": "2023-04-28T13:50:11"
    }
  ]
}
```



```
    },
    {
      "productId": 10,
      "productCode": "autots6m",
      "productName": "Stock Market AI Assistant 6 Month Subscription",
      "productPrice": 37.00,
      "productPeriod": 6,
      "productDescription": "High performance AI quant assistant backed by ensemble method",
      "productImage":
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
      "productStatus": 1,
      "productCategoryCode": "autots",
      "createTime": "2023-04-28T13:50:46",
      "updateTime": "2023-04-28T13:50:46"
    },
    {
      "productId": 18,
      "productCode": "facebookprophet12m",
      "productName": "Stock Market AI Assistant 12 Month Subscription",
      "productPrice": 60.00,
      "productPeriod": 12,
      "productDescription": "High performance AI quant assistant backed by facebook regression model",
      "productImage":
"https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_%282019%29.svg",
      "productStatus": 0,
      "productCategoryCode": "facebookprophet",
      "createTime": "2023-04-28T14:40:24",
      "updateTime": "2023-04-28T14:40:24"
    },
    {
      "productId": 11,
      "productCode": "facebookprophet1m",
      "productName": "Stock Market AI Assistant 1 Month Subscription",
      "productPrice": 6.00,
      "productPeriod": 1,
      "productDescription": "High performance AI quant assistant backed by facebook regression model",
      "productImage":
"https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_%282019%29.svg",
      "productStatus": 1,
      "productCategoryCode": "facebookprophet",
      "createTime": "2023-04-28T13:54:02",
      "updateTime": "2023-04-28T13:54:02"
    },
    {
      "productId": 12,
      "productCode": "facebookprophet3m",
```

```

        "productName": "Stock Market AI Assistant 3 Month Subscription",
        "productPrice": 17.00,
        "productPeriod": 3,
        "productDescription": "High performance AI quant assistant backed by
facebook regression model",
        "productImage":
"https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_
%282019%29.svg",
        "productStatus": 1,
        "productCategoryCode": "facebookprophet",
        "createTime": "2023-04-28T13:54:40",
        "updateTime": "2023-04-28T13:54:40"
    },
    {
        "productId": 13,
        "productCode": "facebookprophet6m",
        "productName": "Stock Market AI Assistant 6 Month Subscription",
        "productPrice": 31.00,
        "productPeriod": 6,
        "productDescription": "High performance AI quant assistant backed by
facebook regression model",
        "productImage":
"https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_
%282019%29.svg",
        "productStatus": 1,
        "productCategoryCode": "facebookprophet",
        "createTime": "2023-04-28T13:55:29",
        "updateTime": "2023-04-28T13:55:29"
    },
    {
        "productId": 19,
        "productCode": "neuralprophet12m",
        "productName": "Stock Market AI Assistant 12 Month Subscription",
        "productPrice": 60.00,
        "productPeriod": 12,
        "productDescription": "High performance AI quant assistant backed by
AR-Net",
        "productImage":
"https://user-images.githubusercontent.com/21246060/111388960-6c367e80-
866d-11eb-91c1-46f2c0d21879.PNG",
        "productStatus": 0,
        "productCategoryCode": "neuralprophet",
        "createTime": "2023-04-28T14:41:35",
        "updateTime": "2023-04-28T14:39:45"
    }
],
"pageable": {
    "sort": {
        "sorted": false,
        "unsorted": true,
        "empty": true
    },
},

```

```
    "offset": 0,
    "pageNumber": 0,
    "pageSize": 9,
    "paged": true,
    "unpaged": false
  },
  "last": false,
  "totalPages": 2,
  "totalElements": 12,
  "number": 0,
  "sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
  },
  "size": 9,
  "first": true,
  "numberOfElements": 9,
  "empty": false
}
```

### View All On Sale Products

<http://0.0.0.0:8080/api/product/onsale?page={page}&size={size}> (GET)

Param

page = 1  
size = 9

Response

```
{
  "content": [
    {
      "productId": 8,
      "productCode": "autots1m",
      "productName": "Stock Market AI Assistant 1 Month Subscription",
      "productPrice": 7.00,
      "productPeriod": 1,
      "productDescription": "High performance AI quant assistant backed by ensemble method",
      "productImage": "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
      "productStatus": 1,
      "productCategoryCode": "autots",
      "createTime": "2023-04-28T13:44:25",
      "updateTime": "2023-04-28T13:44:25"
    },
    {
      "productId": 9,
      "productCode": "autots3m",
      "productName": "Stock Market AI Assistant 3 Month Subscription",
      "productPrice": 20.00,
```

```
    "productPeriod": 3,  
    "productDescription": "High performance AI quant assistant backed by  
ensemble method",  
    "productImage":  
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_12  
80.png",  
    "productStatus": 1,  
    "productCategoryCode": "autots",  
    "createTime": "2023-04-28T13:50:11",  
    "updateTime": "2023-04-28T13:50:11"  
  },  
  {  
    "productId": 10,  
    "productCode": "autots6m",  
    "productName": "Stock Market AI Assistant 6 Month Subscription",  
    "productPrice": 37.00,  
    "productPeriod": 6,  
    "productDescription": "High performance AI quant assistant backed by  
ensemble method",  
    "productImage":  
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_12  
80.png",  
    "productStatus": 1,  
    "productCategoryCode": "autots",  
    "createTime": "2023-04-28T13:50:46",  
    "updateTime": "2023-04-28T13:50:46"  
  },  
  {  
    "productId": 11,  
    "productCode": "facebookprophet1m",  
    "productName": "Stock Market AI Assistant 1 Month Subscription",  
    "productPrice": 6.00,  
    "productPeriod": 1,  
    "productDescription": "High performance AI quant assistant backed by  
facebook regression model",  
    "productImage":  
"https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_  
%282019%29.svg",  
    "productStatus": 1,  
    "productCategoryCode": "facebookprophet",  
    "createTime": "2023-04-28T13:54:02",  
    "updateTime": "2023-04-28T13:54:02"  
  },  
  {  
    "productId": 12,  
    "productCode": "facebookprophet3m",  
    "productName": "Stock Market AI Assistant 3 Month Subscription",  
    "productPrice": 17.00,  
    "productPeriod": 3,  
    "productDescription": "High performance AI quant assistant backed by  
facebook regression model",
```

```
    "productImage":  
    "https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_  
%282019%29.svg",  
    "productStatus": 1,  
    "productCategoryCode": "facebookprophet",  
    "createTime": "2023-04-28T13:54:40",  
    "updateTime": "2023-04-28T13:54:40"  
  },  
  {  
    "productId": 13,  
    "productCode": "facebookprophet6m",  
    "productName": "Stock Market AI Assistant 6 Month Subscription",  
    "productPrice": 31.00,  
    "productPeriod": 6,  
    "productDescription": "High performance AI quant assistant backed by  
facebook regression model",  
    "productImage":  
    "https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_  
%282019%29.svg",  
    "productStatus": 1,  
    "productCategoryCode": "facebookprophet",  
    "createTime": "2023-04-28T13:55:29",  
    "updateTime": "2023-04-28T13:55:29"  
  },  
  {  
    "productId": 14,  
    "productCode": "neuralprophet1m",  
    "productName": "Stock Market AI Assistant 1 Month Subscription",  
    "productPrice": 6.00,  
    "productPeriod": 1,  
    "productDescription": "High performance AI quant assistant backed by  
AR-Net",  
    "productImage":  
    "https://user-images.githubusercontent.com/21246060/111388960-6c367e80-  
866d-11eb-91c1-46f2c0d21879.PNG",  
    "productStatus": 1,  
    "productCategoryCode": "neuralprophet",  
    "createTime": "2023-04-28T14:01:47",  
    "updateTime": "2023-04-28T14:01:47"  
  },  
  {  
    "productId": 15,  
    "productCode": "neuralprophet3m",  
    "productName": "Stock Market AI Assistant 3 Month Subscription",  
    "productPrice": 17.00,  
    "productPeriod": 3,  
    "productDescription": "High performance AI quant assistant backed by  
AR-Net",  
    "productImage":  
    "https://user-images.githubusercontent.com/21246060/111388960-6c367e80-  
866d-11eb-91c1-46f2c0d21879.PNG",  
    "productStatus": 1,
```

```

        "productCategoryCode": "neuralprophet",
        "createTime": "2023-04-28T14:02:09",
        "updateTime": "2023-04-28T14:02:09"
    },
    {
        "productId": 16,
        "productCode": "neuralprophet6m",
        "productName": "Stock Market AI Assistant 6 Month Subscription",
        "productPrice": 31.00,
        "productPeriod": 6,
        "productDescription": "High performance AI quant assistant backed by
AR-Net",
        "productImage":
"https://user-images.githubusercontent.com/21246060/111388960-6c367e80-
866d-11eb-91c1-46f2c0d21879.PNG",
        "productStatus": 1,
        "productCategoryCode": "neuralprophet",
        "createTime": "2023-04-28T14:02:26",
        "updateTime": "2023-04-28T14:02:26"
    }
],
"pageable": {
    "sort": {
        "sorted": false,
        "unsorted": true,
        "empty": true
    },
    "offset": 0,
    "pageNumber": 0,
    "pageSize": 9,
    "paged": true,
    "unpaged": false
},
"last": true,
"totalPages": 1,
"totalElements": 9,
"number": 0,
"sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
},
"size": 9,
"first": true,
"numberOfElements": 9,
"empty": false
}

```

### View All Off Sale Products

<http://0.0.0.0:8080/api/product/offsale?page={page}&size={size}> (GET)

Param

page = 1  
size = 9

Response

```
{
  "content": [
    {
      "productId": 17,
      "productCode": "autots12m",
      "productName": "Stock Market AI Assistant 12 Month Subscription",
      "productPrice": 70.00,
      "productPeriod": 12,
      "productDescription": "High performance AI quant assistant backed by ensemble method",
      "productImage":
"https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
      "productStatus": 0,
      "productCategoryCode": "autots",
      "createTime": "2023-04-28T14:39:45",
      "updateTime": "2023-04-28T14:41:51"
    },
    {
      "productId": 18,
      "productCode": "facebookprophet12m",
      "productName": "Stock Market AI Assistant 12 Month Subscription",
      "productPrice": 60.00,
      "productPeriod": 12,
      "productDescription": "High performance AI quant assistant backed by facebook regression model",
      "productImage":
"https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_%282019%29.svg",
      "productStatus": 0,
      "productCategoryCode": "facebookprophet",
      "createTime": "2023-04-28T14:40:24",
      "updateTime": "2023-04-28T14:40:24"
    },
    {
      "productId": 19,
      "productCode": "neuralprophet12m",
      "productName": "Stock Market AI Assistant 12 Month Subscription",
      "productPrice": 60.00,
      "productPeriod": 12,
      "productDescription": "High performance AI quant assistant backed by AR-Net",
      "productImage":
"https://user-images.githubusercontent.com/21246060/111388960-6c367e80-866d-11eb-91c1-46f2c0d21879.PNG",
      "productStatus": 0,
      "productCategoryCode": "neuralprophet",
      "createTime": "2023-04-28T14:41:35",
```

```

        "updateTime": "2023-04-28T14:39:45"
    },
    ],
    "pageable": {
        "sort": {
            "sorted": false,
            "unsorted": true,
            "empty": true
        },
        "offset": 0,
        "pageNumber": 0,
        "pageSize": 9,
        "paged": true,
        "unpaged": false
    },
    "last": true,
    "totalPages": 1,
    "totalElements": 3,
    "number": 0,
    "sort": {
        "sorted": false,
        "unsorted": true,
        "empty": true
    },
    "size": 9,
    "first": true,
    "numberOfElements": 3,
    "empty": false
}

```

## View Product

<http://0.0.0.0:8080/api/product/{productCode}> (GET)

Param

{productCategoryCode} = autots1m

Response

```

{
    "productId": 8,
    "productCode": "autots1m",
    "productName": "Stock Market AI Assistant 1 Month Subscription",
    "productPrice": 7.00,
    "productPeriod": 1,
    "productDescription": "High performance AI quant assistant backed by ensemble method",
    "productImage":
    "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
    "productStatus": 1,
    "productCategoryCode": "autots",
    "createTime": "2023-04-28T13:44:25",
    "updateTime": "2023-04-28T13:44:25"
}

```



```
}
```

Exception

```
{
  "errors": [
    {
      "code": 10,
      "message": "Product does not exist!"
    }
  ]
}
```

### **Update Product**

<http://0.0.0.0:8080/api/seller/product/{productCode}/update> (PUT)

Param

productCode = autots1m

Response

```
{
  "productId": 8,
  "productCode": "autots1m",
  "productName": "Stock Market AI Assistant 1 Month Subscription",
  "productPrice": 21,
  "productPeriod": 1,
  "productDescription": "High performance AI quant assistant backed by ensemble method",
  "productImage": "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",
  "productStatus": 1,
  "productCategoryCode": "autots",
  "createTime": "2023-04-28T13:44:25",
  "updateTime": "2023-05-01T11:48:54.006597"
}
```

### **On Sale Product**

<http://0.0.0.0:8080/api/seller/product/{productCode}/onsale> (PATCH)

Param

productCode = autots12m

Response

```
{
  "productId": 17,
  "productCode": "autots12m",
  "productName": "Stock Market AI Assistant 12 Month Subscription",
  "productPrice": 70.00,
  "productPeriod": 12,
  "productDescription": "High performance AI quant assistant backed by ensemble method",
}
```

```
    "productImage":  
    "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",  
    "productStatus": 1,  
    "productCategoryCode": "autots",  
    "createTime": "2023-04-28T14:39:45",  
    "updateTime": "2023-05-01T12:11:30.795333"  
  }  
}
```

```
Exception  
{  
  "errors": [  
    {  
      "code": 12,  
      "message": "Product status invalid!"  
    }  
  ]  
}
```

### **Off Sale Product**

<http://0.0.0.0:8080/api/seller/product/{productCode}/offsale> (PATCH)

Param  
productCode = autots1m

```
Response  
{  
  "productId": 8,  
  "productCode": "autots1m",  
  "productName": "Stock Market AI Assistant 1 Month Subscription",  
  "productPrice": 21.00,  
  "productPeriod": 1,  
  "productDescription": "High performance AI quant assistant backed by ensemble method",  
  "productImage":  
  "https://raw.githubusercontent.com/winedarksea/AutoTS/master/img/autots_1280.png",  
  "productStatus": 0,  
  "productCategoryCode": "autots",  
  "createTime": "2023-04-28T13:44:25",  
  "updateTime": "2023-05-01T12:11:11.896917"  
}
```

```
Exception  
{  
  "errors": [  
    {  
      "code": 12,  
      "message": "Product status invalid!"  
    }  
  ]  
}
```

## Delete Product

<http://0.0.0.0:8080/api/seller/product/{productCode}/delete>

Param

productCode = random

Exception

```
{
  "errors": [
    {
      "code": 10,
      "message": "Product does not exist!"
    }
  ]
}
```

## Add Order Detail to Cart

<http://0.0.0.0:8080/api/cart/add> (POST)

Request

```
{
  "productCode": "autots3m",
  "quantity": 1
}
```

Response

```
{
  "cartId": 21,
  "orderDetails": [
    {
      "orderDetailId": 20,
      "productCode": "autots3m",
      "productPrice": 20.00,
      "quantity": 1
    }
  ]
}
```

Exception

```
{
  "errors": [
    {
      "code": 0,
      "message": "Product quantity must be greater than or equal to 1"
    },
    {
      "code": 0,
      "message": "Product code must not be blank"
    }
  ]
}
```

```
{
  "errors": [
    {
      "code": 10,
      "message": "Product does not exist!"
    }
  ]
}
```

### **Merge Local Cart**

<http://0.0.0.0:8080/api/cart> (POST)

#### Request

```
[
  {
    "productCode": "autots12m",
    "productPrice": 70,
    "quantity": 1
  }
]
```

#### Response

```
{
  "cartId": 21,
  "orderDetails": [
    {
      "orderDetailId": 20,
      "productCode": "autots3m",
      "productPrice": 20.00,
      "quantity": 1
    },
    {
      "orderDetailId": 24,
      "productCode": "autots12m",
      "productPrice": 70.00,
      "quantity": 1
    },
    {
      "orderDetailId": 22,
      "productCode": "facebookprophet1m",
      "productPrice": 6.00,
      "quantity": 1
    },
    {
      "orderDetailId": 23,
      "productCode": "neuralprophet1m",
      "productPrice": 6.00,
      "quantity": 1
    }
  ]
}
```

## View Cart

<http://0.0.0.0:8080/api/cart> (GET)

Response

```
{
  "cartId": 21,
  "orderDetails": [
    {
      "orderDetailId": 20,
      "productCode": "autots3m",
      "productPrice": 20.00,
      "quantity": 1
    },
    {
      "orderDetailId": 22,
      "productCode": "facebookprophet1m",
      "productPrice": 6.00,
      "quantity": 1
    },
    {
      "orderDetailId": 24,
      "productCode": "autots12m",
      "productPrice": 70.00,
      "quantity": 1
    },
    {
      "orderDetailId": 23,
      "productCode": "neuralprophet1m",
      "productPrice": 6.00,
      "quantity": 1
    }
  ]
}
```

## Update Order Detail in Cart

<http://0.0.0.0:8080/api/cart/{productCode}/update> (PUT)

Param

{productCode} = facebookprophet1m

Request

2

Response

```
{
  "orderDetailId": 22,
  "productCode": "facebookprophet1m",
```

```
    "productPrice": 6.00,  
    "quantity": 2  
}
```

Exception

```
{  
  "errors": [  
    {  
      "code": 50,  
      "message": "Order detail does not exist!"  
    }  
  ]  
}
```

### **Delete Order Detail in Cart**

<http://0.0.0.0:8080/api/cart/{productCode}/delete> (DELETE)

Param

{productCode} = facebookprophet1m

Exception

```
{  
  "errors": [  
    {  
      "code": 50,  
      "message": "Order detail does not exist!"  
    }  
  ]  
}
```

### **Checkout Cart**

<http://0.0.0.0:8080/api/cart/checkout> (POST)

Exception

```
{  
  "errors": [  
    {  
      "code": 20,  
      "message": "Cart is empty!"  
    }  
  ]  
}
```

### **View All Orders**

<http://0.0.0.0:8080/api/order> (GET)

Response

```
{  
  "content": [  
    {  
      "orderId": 25,  
      "orderDetails": [  

```

```

    {
      "orderDetailId": 22,
      "productCode": "facebookprophet1m",
      "productPrice": 6.00,
      "quantity": 2
    },
    {
      "orderDetailId": 23,
      "productCode": "neuralprophet1m",
      "productPrice": 6.00,
      "quantity": 1
    },
    {
      "orderDetailId": 24,
      "productCode": "autots12m",
      "productPrice": 70.00,
      "quantity": 1
    },
    {
      "orderDetailId": 20,
      "productCode": "autots3m",
      "productPrice": 20.00,
      "quantity": 1
    }
  ],
  "userEmail": "customer@domain.com",
  "orderAmount": 108.00,
  "orderStatus": 1,
  "createTime": "2023-05-01T16:26:20",
  "updateTime": "2023-05-02T02:24:07"
}
],
"pageable": {
  "sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
  },
  "offset": 0,
  "pageSize": 10,
  "pageNumber": 0,
  "paged": true,
  "unpaged": false
},
"totalPages": 1,
"last": true,
"totalElements": 1,
"number": 0,
"sort": {
  "sorted": false,
  "unsorted": true,
  "empty": true
}

```

```
},
"size": 10,
"first": true,
"numberOfElements": 1,
"empty": false
}
```

### **View All New Orders**

<http://0.0.0.0:8080/api/order/new> (GET)

Response

```
{
  "content": [
    {
      "orderId": 25,
      "orderDetails": [
        {
          "orderDetailId": 22,
          "productCode": "facebookprophet1m",
          "productPrice": 6.00,
          "quantity": 2
        },
        {
          "orderDetailId": 23,
          "productCode": "neuralprophet1m",
          "productPrice": 6.00,
          "quantity": 1
        },
        {
          "orderDetailId": 20,
          "productCode": "autots3m",
          "productPrice": 20.00,
          "quantity": 1
        },
        {
          "orderDetailId": 24,
          "productCode": "autots12m",
          "productPrice": 70.00,
          "quantity": 1
        }
      ],
      "userEmail": "customer@domain.com",
      "orderAmount": 108.00,
      "orderStatus": 0,
      "createTime": "2023-05-01T16:26:20",
      "updateTime": "2023-05-01T16:26:20"
    }
  ],
  "pageable": {
    "sort": {
      "sorted": false,
      "unsorted": true,

```



```
    "empty": true
  },
  "offset": 0,
  "pageNumber": 0,
  "pageSize": 10,
  "paged": true,
  "unpaged": false
},
"totalPages": 1,
"last": true,
"totalElements": 1,
"number": 0,
"sort": {
  "sorted": false,
  "unsorted": true,
  "empty": true
},
"size": 10,
"first": true,
"numberOfElements": 3,
"empty": false
}
```

### **View Order**

<http://0.0.0.0:8080/api/order/{orderId}> (GET)

Param

{orderId} = 25

Response

```
{
  "orderId": 25,
  "orderDetails": [
    {
      "orderDetailId": 24,
      "productCode": "autots12m",
      "productPrice": 70.00,
      "quantity": 1
    },
    {
      "orderDetailId": 23,
      "productCode": "neuralprophet1m",
      "productPrice": 6.00,
      "quantity": 1
    },
    {
      "orderDetailId": 20,
      "productCode": "autots3m",
      "productPrice": 20.00,
      "quantity": 1
    },
    {

```

```

        "orderDetailId": 22,
        "productCode": "facebookprophet1m",
        "productPrice": 6.00,
        "quantity": 2
    },
    ],
    "userEmail": "customer@domain.com",
    "orderAmount": 108.00,
    "orderStatus": 0,
    "createTime": "2023-05-01T16:26:20",
    "updateTime": "2023-05-01T16:27:07"
}

```

## Finish Order

<http://0.0.0.0:8080/api/order/finish/{orderId}> (PATCH)

Param

{orderId} = 25

Response

```

{
  "orderId": 25,
  "orderDetails": [
    {
      "orderDetailId": 22,
      "productCode": "facebookprophet1m",
      "productPrice": 6.00,
      "quantity": 2
    },
    {
      "orderDetailId": 20,
      "productCode": "autots3m",
      "productPrice": 20.00,
      "quantity": 1
    },
    {
      "orderDetailId": 23,
      "productCode": "neuralprophet1m",
      "productPrice": 6.00,
      "quantity": 1
    },
    {
      "orderDetailId": 24,
      "productCode": "autots12m",
      "productPrice": 70.00,
      "quantity": 1
    }
  ],
  "userEmail": "customer@domain.com",
  "orderAmount": 108.00,
  "orderStatus": 1,
  "createTime": "2023-05-01T16:26:20",

```

```
    "updateTime": "2023-05-02T02:24:06.836004"
  }
```

Exception

```
{
  "errors": [
    {
      "code": 41,
      "message": "Order status invalid!"
    }
  ]
}
```

### Cancel Order

<http://0.0.0.0:8080/api/order/finish/{orderId}> (PATCH)

Param

{orderId} = 25

Response

```
{
  "orderId": 25,
  "orderDetails": [
    {
      "orderDetailId": 22,
      "productCode": "facebookprophet1m",
      "productPrice": 6.00,
      "quantity": 2
    },
    {
      "orderDetailId": 20,
      "productCode": "autots3m",
      "productPrice": 20.00,
      "quantity": 1
    },
    {
      "orderDetailId": 23,
      "productCode": "neuralprophet1m",
      "productPrice": 6.00,
      "quantity": 1
    },
    {
      "orderDetailId": 24,
      "productCode": "autots12m",
      "productPrice": 70.00,
      "quantity": 1
    }
  ],
  "userEmail": "customer@domain.com",
  "orderAmount": 108.00,
  "orderStatus": 2,
  "createTime": "2023-05-01T16:26:20",
}
```

```
    "updateTime": "2023-05-02T02:24:06.836004"
  }
Exception
{
  "errors": [
    {
      "code": 41,
      "message": "Order status invalid!"
    }
  ]
}
```

### **View All Finished Order**

<http://0.0.0.0:8080/api/order/finished> (GET)

```
Response
{
  "content": [
    {
      "orderId": 25,
      "orderDetails": [
        {
          "orderDetailId": 24,
          "productCode": "autots12m",
          "productPrice": 70.00,
          "quantity": 1
        },
        {
          "orderDetailId": 20,
          "productCode": "autots3m",
          "productPrice": 20.00,
          "quantity": 1
        },
        {
          "orderDetailId": 23,
          "productCode": "neuralprophet1m",
          "productPrice": 6.00,
          "quantity": 1
        },
        {
          "orderDetailId": 22,
          "productCode": "facebookprophet1m",
          "productPrice": 6.00,
          "quantity": 2
        }
      ],
      "userEmail": "customer@domain.com",
      "orderAmount": 108.00,
      "orderStatus": 1,
      "createTime": "2023-05-01T16:26:20",
      "updateTime": "2023-05-02T02:24:07"
    }
  ]
}
```

```

    }
  ],
  "pageable": {
    "sort": {
      "sorted": false,
      "unsorted": true,
      "empty": true
    },
    "offset": 0,
    "pageSize": 10,
    "pageNumber": 0,
    "paged": true,
    "unpaged": false
  },
  "totalPages": 1,
  "last": true,
  "totalElements": 1,
  "number": 0,
  "sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
  },
  "size": 10,
  "first": true,
  "numberOfElements": 1,
  "empty": false
}

```

### **View All Canceled Order**

<http://0.0.0.0:8080/api/order/canceled> (GET)

Response

```

{
  "content": [
    {
      "orderId": 25,
      "orderDetails": [
        {
          "orderDetailId": 24,
          "productCode": "autots12m",
          "productPrice": 70.00,
          "quantity": 1
        },
        {
          "orderDetailId": 20,
          "productCode": "autots3m",
          "productPrice": 20.00,
          "quantity": 1
        },
        {
          "orderDetailId": 23,

```

```

        "productCode": "neuralprophet1m",
        "productPrice": 6.00,
        "quantity": 1
    },
    {
        "orderDetailId": 22,
        "productCode": "facebookprophet1m",
        "productPrice": 6.00,
        "quantity": 2
    }
],
"userEmail": "customer@domain.com",
"orderAmount": 108.00,
"orderStatus": 2,
"createTime": "2023-05-01T16:26:20",
"updateTime": "2023-05-02T02:24:07"
}
],
"pageable": {
    "sort": {
        "sorted": false,
        "unsorted": true,
        "empty": true
    },
    "offset": 0,
    "pageSize": 10,
    "pageNumber": 0,
    "paged": true,
    "unpaged": false
},
"totalPages": 1,
"last": true,
"totalElements": 1,
"number": 0,
"sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
},
"size": 10,
"first": true,
"numberOfElements": 1,
"empty": false
}

```

### View All Subscriptions

<http://0.0.0.0:8080/api/subscription> (GET)

### Response

```

{
  "content": [
    {

```

```
    "subscriptionId": 28,  
    "productCategoryCode": "autots",  
    "userEmail": "customer@domain.com",  
    "expTime": "2024-08-02T02:24:07"  
  },  
  {  
    "subscriptionId": 27,  
    "productCategoryCode": "facebookprophet",  
    "userEmail": "customer@domain.com",  
    "expTime": "2023-07-02T02:24:06"  
  },  
  {  
    "subscriptionId": 29,  
    "productCategoryCode": "neuralprophet",  
    "userEmail": "customer@domain.com",  
    "expTime": "2023-06-02T02:24:07"  
  }  
],  
"pageable": {  
  "sort": {  
    "sorted": false,  
    "unsorted": true,  
    "empty": true  
  },  
  "offset": 0,  
  "pageSize": 3,  
  "pageNumber": 0,  
  "paged": true,  
  "unpaged": false  
},  
"totalPages": 1,  
"last": true,  
"totalElements": 3,  
"number": 0,  
"sort": {  
  "sorted": false,  
  "unsorted": true,  
  "empty": true  
},  
"size": 3,  
"first": true,  
"numberOfElements": 3,  
"empty": false  
}
```

### **View All Active Subscriptions**

<http://0.0.0.0:8080/api/subscription/active> (GET)

Response

```
{  
  "content": [  
    {
```

```
    "subscriptionId": 28,  
    "productCategoryCode": "autots",  
    "userEmail": "customer@domain.com",  
    "expTime": "2024-08-02T02:24:07"  
  },  
  {  
    "subscriptionId": 27,  
    "productCategoryCode": "facebookprophet",  
    "userEmail": "customer@domain.com",  
    "expTime": "2023-07-02T02:24:06"  
  },  
  {  
    "subscriptionId": 29,  
    "productCategoryCode": "neuralprophet",  
    "userEmail": "customer@domain.com",  
    "expTime": "2023-06-02T02:24:07"  
  }  
],  
"pageable": {  
  "sort": {  
    "sorted": false,  
    "unsorted": true,  
    "empty": true  
  },  
  "offset": 0,  
  "pageSize": 3,  
  "pageNumber": 0,  
  "paged": true,  
  "unpaged": false  
},  
"totalPages": 1,  
"last": true,  
"totalElements": 3,  
"number": 0,  
"sort": {  
  "sorted": false,  
  "unsorted": true,  
  "empty": true  
},  
"size": 3,  
"first": true,  
"numberOfElements": 3,  
"empty": false  
}
```

### View Subscription

<http://0.0.0.0:8080/api/subscription/{subscriptionId}> (GET)

Response

```
{  
  "subscriptionId": 28,  
  "productCategoryCode": "autots",
```



```
    "userEmail": "customer@domain.com",
    "expTime": "2024-08-02T02:24:07"
}
```

Exception

```
{
  "errors": [
    {
      "code": 60,
      "message": "Subscription does not exist!"
    }
  ]
}
```

### **Update Subscription**

<http://0.0.0.0:8080/api/subscription/{subscriptionId}/update> (PUT)

Param

{subscriptionId} = 28

Request

```
{
  "expTime": "2023-11-02T02:36:52.758Z",
  "productCategoryCode": "autots"
}
```

Response

```
{
  "subscriptionId": 28,
  "productCategoryCode": "autots",
  "userEmail": "customer@domain.com",
  "expTime": "2023-11-02T02:36:52.758"
}
```

Exception

```
{
  "errors": [
    {
      "code": 0,
      "message": "Expiration time must be a date in the present or in the
future"
    }
  ]
}
```

### **Delete Subscription**

<http://0.0.0.0:8080/api/subscription/{subscriptionId}/delete> (DELETE)

Param

{subscriptionId} = 28

## Search

http://0.0.0.0:8080/api/search?query={query}&page={page}&size={size}  
(GET)

### Param

{query} = facebook

{page} = 1

{size} = 3

### Response

```
{
  "content": [
    {
      "productId": 11,
      "productCode": "facebookprophet1m",
      "productName": "Stock Market AI Assistant 1 Month Subscription",
      "productPrice": 6.00,
      "productPeriod": 1,
      "productDescription": "High performance AI quant assistant backed by
facebook regression model",
      "productImage":
"https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_
%282019%29.svg",
      "productStatus": 1,
      "productCategoryCode": "facebookprophet",
      "createTime": "2023-04-28T13:54:02",
      "updateTime": "2023-04-28T13:54:02"
    },
    {
      "productId": 12,
      "productCode": "facebookprophet3m",
      "productName": "Stock Market AI Assistant 3 Month Subscription",
      "productPrice": 17.00,
      "productPeriod": 3,
      "productDescription": "High performance AI quant assistant backed by
facebook regression model",
      "productImage":
"https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_
%282019%29.svg",
      "productStatus": 1,
      "productCategoryCode": "facebookprophet",
      "createTime": "2023-04-28T13:54:40",
      "updateTime": "2023-04-28T13:54:40"
    },
    {
      "productId": 13,
      "productCode": "facebookprophet6m",
      "productName": "Stock Market AI Assistant 6 Month Subscription",
      "productPrice": 31.00,
      "productPeriod": 6,
      "productDescription": "High performance AI quant assistant backed by
facebook regression model",
```

```
    "productImage":  
    "https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook_f_logo_  
%282019%29.svg",  
    "productStatus": 1,  
    "productCategoryCode": "facebookprophet",  
    "createTime": "2023-04-28T13:55:29",  
    "updateTime": "2023-04-28T13:55:29"  
  }  
],  
"pageable": {  
  "sort": {  
    "sorted": false,  
    "unsorted": true,  
    "empty": true  
  },  
  "offset": 0,  
  "pageSize": 3,  
  "pageNumber": 0,  
  "paged": true,  
  "unpaged": false  
},  
"totalPages": 2,  
"last": false,  
"totalElements": 4,  
"number": 0,  
"sort": {  
  "sorted": false,  
  "unsorted": true,  
  "empty": true  
},  
"size": 3,  
"first": true,  
"numberOfElements": 3,  
"empty": false  
}
```