

# POS Project API & DTO Reference

**Note:** All endpoints require a Bearer token for security.

## ▼ Security

▼ **Login** Authenticates a user and generates a JWT token.

Request

POST http://localhost:8889/login

```
{
  "username": "admin",
  "password": "admin"
}
```

Response

```
{
  "token": "eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJQT1MgU2VjdXJpdHkiLCJpYXQiOiE3MTkyMjMzYmV4cCI6MTcxOTIzNzgzNiwiOiJoiYWRt",
  "username": "admin"
}
```

## ▼ User Service

**Note:** The user must have the **ADMIN** role.

▼ **Register User** User registers to the system, multiple registrations can be made at the same time.

Request

POST http://localhost:8889/user/management

```
[
  {
    "username": "user",
    "email": "user@email.com",
    "name": "userName",
    "surname": "userSurname",
    "roles": [
      { "roleName": "CASHIER" },
      { "roleName": "MANAGER" },
      { "roleName": "ADMIN" }
    ],
    "password": "12345678"
  }
]

{...} More than one user can be registered at the same time.
]
```

- **username:** Must be between 1 and 50 characters, no spaces.
- **email:** Must be a valid email format.
- **roles:** At least one role is required.
- **password:** Must be between 8 and 100 characters.
- **name:** Must be between 1 and 50 characters, cannot start or end with a space.
- **surname:** Must be between 1 and 50 characters, cannot start or end with a space.

Response

Employees saved successfully

▼ **Update User** Updates the details of an existing user with the provided information; unspecified fields remain unchanged.

Request

PUT http://localhost:8889/user/management/{id}

```
{
  "username": "user",
  "email": "user@email",
  "name": "userName",
  //"surname": "userSurname",
  "roles": [
    {"roleName": "ADMIN"},
    {"roleName": "MANAGER"}
  ],
  "password": "12345678"
}
```

- **username:** Must be between 1 and 50 characters, no spaces.
- **email:** Must be a valid email format.
- **roles:** At least one role is required.
- **password:** Must be between 8 and 100 characters, cannot be blank or contain only whitespace.
- **name:** Must be between 1 and 50 characters, cannot start or end with a space.
- **surname:** Must be between 1 and 50 characters, cannot start or end with a space.

Response

Id with {id} updated

▼ **Delete User** Soft deletes a user with the specified ID, marking the user as deleted.

Request

DELETE http://localhost:8889/user/management/{id}

Response

Id with {id} deleted

▼ **Reactivate User** Reactivates a user that was previously soft deleted.

Request

PUT http://localhost:8889/user/management/reactivate-by-id/{id}

Response

Id with {id} updated

▼ **Get By Username** Retrieves user details based on the specified username.

Request

GET http://localhost:8889/user/management/{id}

Response

```
{
  "id": 53,
  "username": "user2",
  "name": "userName",
  "surname": "userSurname2",
  "email": "user2@email",
  "roles": [
    {
      "roleName": "MANAGER"
    },
    {
      "roleName": "ADMIN"
    }
  ],
  "deleted": false
}
```

- ▼ **Get By ID** Retrieves user details based on the ID.

Request

```
GET http://localhost:8889/user/search/{id}
```

Response

```
{
  "id": 53,
  "username": "user2",
  "name": "userName",
  "surname": "userSurname2",
  "email": "user2@email",
  "roles": [
    {
      "roleName": "MANAGER"
    },
    {
      "roleName": "ADMIN"
    }
  ],
  "deleted": false
}
```

- ▼ **Get All** Retrieves a page of users based on the provided parameters.

Request

```
GET http://localhost:8889/user/search
```

Parameters

pageSize (integer, optional): The number of users to return per page.  
pageNumber (integer, optional): The page number to retrieve.  
hideDeleted (boolean, optional): Boolean flag to hide soft-deleted users.

Response

```
{
  "content": [
    {
      "id": 52,
      "username": "admin",
      "name": "Admin",
      "surname": "Default",
      "email": "admin@admin.com",
      "roles": [
        {
          "roleName": "ADMIN"
        }
      ],
      "deleted": false
    },
    {
      ...
    }
  ],
  "pageable": {
    "pageNumber": 0,
    "pageSize": 10,
    "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
    },
    "offset": 0,
    "paged": true,
    "unpaged": false
  },
  "totalPages": 1,
  "totalElements": 2,
  "last": true,
}
```

```

    "size": 10,
    "number": 0,
    "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
    },
    "numberOfElements": 2,
    "first": true,
    "empty": false
  }

```

## ▼ Product Service

**Note:** Can access any role that is logged in.

▼ **Save Product** Adds a new product to the system.

**Request**

POST http://localhost:8889/product/management

**Body (form-data)**

```

file (optional): image file.

product (application-json):
{
  "name": "apple",
  "barcode": "12345",
  "price": 10.99,
  "stock": 10
}

```

- **name:** Must be between 1 and 50 characters, cannot be empty or null.
- **barcode:** Must be between 1 and 35 characters, cannot contain whitespace, and cannot be empty or null.
- **price:** Cannot be null, must be positive or zero, and must have up to 2 decimal places.
- **stock:** Cannot be null and must be positive or zero.

**Response**

Product saved successfully

▼ **Update Product** Updates an existing product with the specified barcode.

**Request**

PUT http://localhost:8889/product/management/{barcode}

**Body (form-data)**

```

file (optional): image file.

product (application-json):
{
  "name": "apple",
  "barcode": "12345",
  "price": 10.99,
  "stock": 10
}

```

- **name:** Must be between 1 and 50 characters, cannot be empty or null.
- **barcode:** Must be between 1 and 35 characters, cannot contain whitespace, and cannot be empty or null.
- **price:** Cannot be null, must be positive or zero, and must have up to 2 decimal places.
- **stock:** Cannot be null and must be positive or zero.

**Response**

Product updated successfully

- ▼ **Update Product Stock** Updates the stock quantity of a product by barcode.

**Request**

```
PUT http://localhost:8889/product/management/{barcode}/stock
```

**Parameters**

stockChange (integer, required): positive or negative, the quantity to be updated in stock

**Response**

Stock updated for product with barcode {barcode}. New stock level: {integer}

- ▼ **Delete Product** Soft deletes a product with the specified Barcode, marking the product as deleted.

**Request**

```
DELETE http://localhost:8889/product/management/{barcode}
```

**Response**

The product with the barcode {barcode} has been deleted.

- ▼ **Re-Add Product** Re-add the product that was previously soft deleted.

**Request**

```
PUT http://localhost:8889/product/management/re-add/{barcode}
```

**Response**

The product with the barcode {barcode} has been re-added.

- ▼ **Get By Barcode** Retrieves product details based on the specified barcode.

**Request**

```
GET http://localhost:8889/product/search/{barcode}
```

**Response**

```
{
  "name": "apple",
  "barcode": "12345",
  "price": 99.00,
  "stock": 5,
  "creationDate": "2024-06-24T11:21:15.804319",
  "lastUpdateDate": "2024-06-24T11:35:46.313588",
  "imageCode": 4593623573232274660,
  "hasImage": true,
  "deleted": false
}
```

- ▼ **Get By Filter** Retrieves a page of products based on the provided filter criteria.

**Request**

```
GET http://localhost:8889/product/search/filter
```

**Body**

```
{
  // "page": 1,
  // "size": 10,
  "sortBy": "price",
  // "sortDir": "desc",
  "minPrice": 0.01,
  "maxPrice": 999999.99,
  // "minStock": 0,
  // "maxStock": 1000000,
}
```

```

    // "creationDateStart": "2023-01-01T00:00:00",
    // "creationDateEnd": "2024-12-01T23:59:59",
    // "lastUpdateDateStart": "2023-01-01T00:00:00",
    // "lastUpdateDateEnd": "2024-12-01T23:59:59",
    // "hasImage": true,
    "deleted": false
}

```

- **page:** Must be at least 1.
- **size:** Must be at least 1.
- **sortBy:** Valid values are 'name', 'price', 'stock', 'creationDate', 'lastUpdateDate'.
- **sortDir:** Valid values are 'asc' or 'desc'.
- **minPrice:** Must be greater than zero.
- **maxPrice:** Must be less than 1,000,000.
- **minStock:** Must be at least 0.
- **maxStock:** Must be less than or equal to 1,000,000.
- **creationDateStart:** Must be in the format 'yyyy-MM-ddTHH:mm'.
- **creationDateEnd:** Must be in the format 'yyyy-MM-ddTHH:mm'.
- **lastUpdateDateStart:** Must be in the format 'yyyy-MM-ddTHH:mm'.
- **lastUpdateDateEnd:** Must be in the format 'yyyy-MM-ddTHH:mm'.
- **deleted:** Boolean flag to include deleted products.
- **hasImage:** Boolean flag to filter products with images.

#### Response

```

{
  "content": [
    {
      "name": "Lightweight Silk Gloves",
      "barcode": "1987573323",
      "price": 0.41,
      "stock": 15,
      "creationDate": "2024-06-24T10:04:09.412295",
      "lastUpdateDate": null,
      "imageCode": null,
      "hasImage": false,
      "deleted": false
    },
    { ... }
  ],
  "pageable": {
    "pageNumber": 0,
    "pageSize": 10,
    "sort": [
      {
        "direction": "ASC",
        "property": "price",
        "ignoreCase": false,
        "nullHandling": "NATIVE",
        "ascending": true,
        "descending": false
      }
    ],
    "offset": 0,
    "paged": true,
    "unpaged": false
  },
  "totalElements": 101,
  "totalPages": 11,
  "last": false,
  "size": 10,
  "number": 0,
  "sort": [
    {
      "direction": "ASC",
      "property": "price",
      "ignoreCase": false,

```

```

        "nullHandling": "NATIVE",
        "ascending": true,
        "descending": false
    }
],
"numberOfElements": 10,
"first": true,
"empty": false
}

```

▼ **Get By Prefix** Retrieves a page of products whose names start with the specified prefix.

**Request**

GET http://localhost:8889/product/search/by-prefix

**Parameters**

prefix (string, required): The prefix to filter product names by.  
 pageSize (integer, optional): The number of users to return per page.  
 pageNumber (integer, optional): The page number to retrieve.  
 hideDeleted (boolean, optional): Boolean flag to hide soft-deleted users.

- **page:** Must be at least 1.
- **size:** Must be at least 1.

**Response**

```

{
  "content": [
    {
      "name": "Aerodynamic Bronze Bench",
      "barcode": "0766610667",
      "price": 540.68,
      "stock": 703,
      "creationDate": "2024-06-24T10:04:09.398948",
      "lastUpdateDate": null,
      "imageCode": null,
      "hasImage": false,
      "deleted": false
    }
    {...}
  ],
  "pageable": {
    "pageNumber": 0,
    "pageSize": 10,
    "sort": [
      {
        "direction": "ASC",
        "property": "name",
        "ignoreCase": false,
        "nullHandling": "NATIVE",
        "ascending": true,
        "descending": false
      }
    ]
  },
  "offset": 0,
  "paged": true,
  "unpaged": false
},
"totalElements": 11,
"totalPages": 2,
"last": false,
"size": 10,
"number": 0,
"sort": [
  {
    "direction": "ASC",
    "property": "name",
    "ignoreCase": false,
    "nullHandling": "NATIVE",
    "ascending": true,

```

```

        "descending": false
      }
    ],
    "numberOfElements": 10,
    "first": true,
    "empty": false
  }
}

```

▼ **Get Image By Image Code** Retrieves image based on the imageCode.

*Request*

```
GET http://localhost:8889/product/search/image/{imageCode}
```

*Response*

```
image file
```

▼ **Delete Image** Soft deletes a image of the product with the specified Barcode, marking the image as deleted.

*Request*

```
DELETE http://localhost:8889/product/management/delete-image/{barcode}
```

*Response*

```
The product image with the barcode {barcode} has been deleted.
```

## ▼ Sale Service

**Note:** The user must have the **CASHIER** role.

### Bag:

▼ **Add Product to Bag** Adds a product to a bag.

*Request*

```
POST http://localhost:8889/sale/bags/products
```

*Parameters*

bagId (long, optional): If a bag id is not given or an invalid bag id is given, a new bag will be created.  
 barcode (string, required): of the product to be added  
 quantity (integer, required): number of products to be added

*Response*

```

{
  "id": 4387403859385740712,
  "totalPrice": 396.00,
  "campaignId": null,
  "campaignName": null,
  "discountType": null,
  "discountValue": 0.0,
  "discountedPrice": null,
  "items": [
    {
      "barcode": "12345",
      "quantity": 4,
      "price": 99.00,
      "name": "apple"
    }
  ]
}

```

▼ **Remove Product from Bag** Removes a specified quantity of a product from a bag.

*Request*

```
DELETE http://localhost:8889/sale/bags/products
```



#### Parameters

bagId (long, required): where the product will be removed  
barcode (string, required): of the product to be remove  
quantity (integer, required): number of products to be removed

#### Response

```
{
  "id": 4387403859385740712,
  "totalPrice": 594.00,
  "campaignId": null,
  "campaignName": null,
  "discountType": null,
  "discountValue": 0.0,
  "discountedPrice": null,
  "items": [
    {
      "barcode": "12345",
      "quantity": 6,
      "price": 99.00,
      "name": "apple"
    }
  ]
}
```

- ▼ **Remove All Products from Bag** Removes all products from a specified bag.

#### Request

DELETE http://localhost:8889/sale/bags/{bagId}/products

#### Response

```
{
  "id": 4387403859385740712,
  "totalPrice": 0,
  "campaignId": null,
  "campaignName": null,
  "discountType": null,
  "discountValue": 0.0,
  "discountedPrice": null,
  "items": []
}
```

- ▼ **Delete Bag** Deletes a specified bag.

#### Request

DELETE http://localhost:8889/sale/bags/{bagId}

#### Response

The bag with ID {bagId} has been deleted.

### Campaign:

- ▼ **Add Campaign** Adds a new campaign.

#### Request

POST http://localhost:8889/sale/campaigns

#### Body

```
{
  "name": "Special",
  "startDate": "2024-01-01",
  "endDate": "2024-12-31",
  "discountType": "PERCENTAGE", // or "FIXED_AMOUNT"
}
```

```
"discountValue": 10
}
```

Response

Successfully added campaign

▼ **Update Campaign Dates** Updates the start and end dates of a specified campaign.

Request

PUT http://localhost:8889/sale/campaigns/{campaignId}

Body (form-data)

startDate (optional): ex: 2024-03-01  
endDate (optional): ex: 2024-07-02

Response

```
{
  "id": 2,
  "name": "Special",
  "startDate": "2024-03-01T00:00:00",
  "endDate": "2024-07-02T00:00:00",
  "discountType": "PERCENTAGE",
  "discountValue": 10.0,
  "deleted": false
}
```

▼ **Delete Campaign** Deletes a specified campaign.

Request

DELETE http://localhost:8889/sale/campaigns/{campaignId}

Response

Campaign with ID {campaignId} successfully deleted

▼ **Get Campaign** Retrieves the details of a specified campaign.

Request

GET http://localhost:8889/sale/campaigns/{campaignId}

Response

```
{
  "id": 2,
  "name": "Special",
  "startDate": "2024-03-01T00:00:00",
  "endDate": "2024-07-02T00:00:00",
  "discountType": "PERCENTAGE",
  "discountValue": 10.0,
  "deleted": false
}
```

▼ **Get All Campaigns** Retrieves a page of all campaigns.

Request

GET http://localhost:8889/sale/campaigns

Response

```
{
  "content": [
    {
      "id": 2,
      "name": "Special",
      "startDate": "2024-03-01T00:00:00",
```

```

        "endDate": "2024-07-02T00:00:00",
        "discountType": "PERCENTAGE",
        "discountValue": 10.0,
        "deleted": false
    }
],
"pageable": {
    "pageNumber": 0,
    "pageSize": 10,
    "sort": [],
    "offset": 0,
    "paged": true,
    "unpaged": false
},
"last": true,
"totalElements": 2,
"totalPages": 1,
"size": 10,
"number": 0,
"sort": [],
"first": true,
"numberOfElements": 2,
"empty": false
}

```

▼ **Apply Campaign to Bag** Applies a specified campaign to a specified bag.

**Request**

POST http://localhost:8889/sale/bags/{bagId}/campaign/{campaignId}

**Response**

```

{
    "id": 7914831916575554169,
    "totalPrice": 396.00,
    "campaignId": 2,
    "campaignName": "Special",
    "discountType": "PERCENTAGE",
    "discountValue": 10.0,
    "discountedPrice": 356.40,
    "items": [
        {
            "barcode": "12345",
            "quantity": 4,
            "price": 99.00,
            "name": "apple"
        }
    ]
}

```

▼ **Remove Campaign from Bag** Removes a campaign from a specified bag.

**Request**

DELETE http://localhost:8889/sale/bags/{bagId}/campaign

**Response**

```

{
    "id": 7914831916575554169,
    "totalPrice": 396.00,
    "campaignId": null,
    "campaignName": null,
    "discountType": null,
    "discountValue": 0.0,
    "discountedPrice": null,
    "items": [
        {
            "barcode": "12345",
            "quantity": 4,

```

```
        "price": 99.00,  
        "name": "apple"  
    }  
]  
}
```

#### Sale:

- ▼ **Complete Sale** Completes the sale of a bag, processing payment and generating a receipt tracking code.

##### Request

POST http://localhost:8889/sale/{bagId}

##### Parameters

amountReceived (Big decimal, required): amount received for payment.  
paymentMethod (Enum, required): CREDIT\_CARD or CASH

##### Response

```
{  
  "requestId": "9000cc8b-a605-4222-b6d2-fdabcf2f5c53",  
  "saleDto": {  
    "id": 101,  
    "cashierName": "userName",  
    "totalPrice": 396.00,  
    "discountedPrice": null,  
    "campaignName": null,  
    "campaignId": null,  
    "discountType": null,  
    "discountValue": 0.0,  
    "amountReceived": 396.00,  
    "change": 0,  
    "paymentMethod": "CREDIT_CARD",  
    "saleDate": "2024-06-24T15:36:59.180124041",  
    "saleItems": [  
      {  
        "barcode": "12345",  
        "name": "apple",  
        "quantity": 4,  
        "salePrice": 99.00  
      }  
    ],  
    "cancelled": false  
  }  
}
```

- ▼ **Cancel Sale** Cancels a specified sale, reversing the transaction.

##### Request

DELETE http://localhost:8889/sale/{saleId}/cancel

##### Response

Sale successfully cancelled.

## ▼ Reporting Service

**Note:** The user must have the **MANAGER** role.

- ▼ **Get Sale** Retrieves the details of a specific sale by its ID.

##### Request

GET http://localhost:8889/report/{saleId}

##### Response

```
{
  "id": 101,
  "cashierName": "userName",
  "totalPrice": 396.00,
  "discountedPrice": null,
  "campaignName": null,
  "campaignId": null,
  "discountType": null,
  "discountValue": 0.0,
  "amountReceived": 396.00,
  "change": 0.00,
  "paymentMethod": "CREDIT_CARD",
  "saleDate": "2024-06-24T15:36:59.180124",
  "saleItems": [
    {
      "barcode": "12345",
      "name": "apple",
      "quantity": 4,
      "salePrice": 99.00
    }
  ],
  "cancelled": true
}
```

▼ **Get Sales By Criteria** Retrieves a list of sales based on the provided search criteria.

**Request**

GET http://localhost:8889/report

**Body**

```
{
  "minTotalPrice": 1,
  "maxTotalPrice": 100000,
  //"hasCampaign": false,
  //"campaignId": 1,
  "paymentMethod": "CREDIT_CARD", //or "CASH"
  "saleDateStart": "2024-01-14T00:00:00",
  "saleDateEnd": "2024-12-19T23:59:59",
  "sortBy": "saleDate",
  "sortDir": "asc",
  "page": 1,
  "size": 10,
  "includeCanceled": false
}
```

- **minTotalPrice** (BigDecimal, optional): Must be greater than 0.
- **hasCampaign** (Boolean, optional): Filter sales that have or do not have a campaign.
- **campaignId** (Long, optional): Filter sales by a specific campaign ID.
- **paymentMethod** (Enum, optional): Filter sales by the payment method used.
- **saleDateStart** (String, optional): Must be in the format 'yyyy-MM-ddTHH:mm'.
- **saleDateEnd** (String, optional): Must be in the format 'yyyy-MM-ddTHH:mm'.
- **sortBy** (String, optional): Sort the sales by 'saleDate', 'totalPrice', or 'discountedPrice'.
- **sortDir** (String, optional): either 'asc' or 'desc'.
- **page** (Integer, optional): Must be at least 1.
- **size** (Integer, optional): Must be at least 1.
- **includeCanceled** (Boolean, optional): Include canceled sales in the results.

**Response**

```
{
  "content": [
    {
      "id": 87,
      "cashierName": "Cathryn Fritsch",
      "totalPrice": 770.22,
      "discountedPrice": 735.52,
    }
  ]
}
```

```

        "campaignName": "Dickinson LLC",
        "campaignId": 758206,
        "discountType": "FIXED_AMOUNT",
        "discountValue": 34.7,
        "amountReceived": 748.30,
        "change": 12.78,
        "paymentMethod": "CREDIT_CARD",
        "saleDate": "2024-01-18T10:04:09.593796",
        "saleItems": [
            {
                "barcode": "0867826509",
                "name": "Ergonomic Marble Gloves",
                "quantity": 5,
                "salePrice": 93.97
            }
        ],
        "cancelled": false
    }
},
"pageable": {
    "pageNumber": 0,
    "pageSize": 10,
    "sort": {
        "empty": false,
        "unsorted": false,
        "sorted": true
    },
    "offset": 0,
    "paged": true,
    "unpaged": false
},
"totalElements": 19,
"totalPages": 2,
"last": false,
"size": 10,
"number": 0,
"sort": {
    "empty": false,
    "unsorted": false,
    "sorted": true
},
"numberOfElements": 10,
"first": true,
"empty": false
}

```

- ▼ **Get Sales Excel File By Criteria** Generates an Excel file of sales based on the provided search criteria and sends it to the specified email.

#### Request

GET <http://localhost:8889/report/excel>

#### Parameter

email (required): The address to which the excel file will be directed.

#### Body

```

{
    "minTotalPrice": 1,
    "maxTotalPrice": 100000,
    //"hasCampaign": false,
    //"campaignId": 1,
    //"paymentMethod": "CREDIT_CARD", or "CASH"
    "saleDateStart": "2024-01-14T00:00:00",
    "saleDateEnd": "2024-12-14T23:59:59",
    "includeCanceled": false
}

```

- **minTotalPrice** (BigDecimal, optional): Must be greater than 0.
- **hasCampaign** (Boolean, optional): Filter sales that have or do not have a campaign.

- **campaignId** (Long, optional): Filter sales by a specific campaign ID.
- **paymentMethod** (Enum, optional): Filter sales by the payment method used.
- **saleDateStart** (String, optional): Must be in the format 'yyyy-MM-ddTHH:mm'.
- **saleDateEnd** (String, optional): Must be in the format 'yyyy-MM-ddTHH:mm'.
- **includeCanceled** (Boolean, optional): Include canceled sales in the results.

#### Response

Excel report request received. The report will be sent to: {email}

- ▼ **Generate Receipt** It receives a request to create a pdf of the sale and returns the request id.

#### Request

POST <http://localhost:8889/report/generate-receipt/{saleId}>

#### Response

Tracking request id: {requestId}

- ▼ **Receipt Status** Retrieves the status of a receipt generation request.

#### Request

GET <http://localhost:8889/report/status/receipt/{requestId}>

#### Response

PDF Receipt file. (fail or processing is also an option)

- ▼ **Create Schedule Job** Schedules a reporting job based on the provided criteria and sends reports to the specified email at the specified interval.

#### Request

POST <http://localhost:8889/report/schedule>

#### Body

```
{
  "criteria": {
    "minTotalPrice": 1,
    "maxTotalPrice": 1000000,
    //"hasCampaign": true,
    //"campaignId": 1,
    //"paymentMethod": "CREDIT_CARD", or "CASH"
    //"includeCanceled": false,
    "lookbackPeriodInDays": 30
  },
  "email": "emiraktas143@gmail.com",
  "jobName": "monthlySalesReportJob",
  "daysInterval": 1
}
```

- **criteria** (SaleSearchCriteriaForJob, required): Must not be null and must be valid. A report is sent only based on the added criteria.
  - **lookbackPeriodInDays**: The period in days to look back for sales data.
  - **minTotalPrice**: Must be greater than 0.
  - **maxTotalPrice**: The maximum total price of the sales to be retrieved.
  - **hasCampaign**: Boolean flag to filter sales that have or do not have a campaign.
  - **campaignId**: Filter sales by a specific campaign ID.
  - **includeCanceled**: Boolean flag to include canceled sales in the results.
  - **paymentMethod**: Filter sales by the payment method used.
- **email** (String, required): The email to which the report will be sent. Must be a valid email format and not blank.
- **jobName** (String, required): The name of the job. Must not be blank.
- **daysInterval** (Integer, required): The interval in days at which the report will be generated and sent. Must be at least 1.

#### Response

```
Job scheduled successfully: {jobName}
```

▼ **Get All Jobs** Lists all scheduled reporting jobs.

*Request*

```
GET http://localhost:8889/report/schedule/list
```

*Response*

```
[
  {
    "jobName": "monthlySalesReportJo",
    "email": "emiraktas143@gmail.com",
    "nextFireTime": "Mon Jun 24 17:15:47 UTC 2024",
    "criteria": {
      "minTotalPrice": 1,
      "maxTotalPrice": 1000000,
      "hasCampaign": null,
      "campaignId": null,
      "paymentMethod": null,
      "includeCanceled": null,
      "lookbackPeriodInDays": 1000
    }
  }
]
```

▼ **Delete Job** Cancels a specified reporting job.

*Request*

```
DELETE http://localhost:8889/report/schedule/cancel/{jobName}
```

*Response*

```
Job cancelled successfully: {jobName}
```