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**GOODEALS**

**API DOCUMENTATION**

**Draft**

The API contains 6 endpoints:

**Endpoints**

| **Endpoint** | **Description** |
| --- | --- |
| GET / getFlippData?province={q} | Fetches product offer data from an external API and stores it in the flipp\_data table.    (\*) Deploy with a minimum daily execution frequency. |
| POST / setProductOffers | Automated product offer creation: Processes Flipp data and populates the product\_offers table.    (\*) Trigger deployment after getFlippData execution. |
| GET / setOldProductOffers?province={q} | Archive expired product offers by moving them to the old\_product\_offers table.    (\*) Deploy to run at least every 30 minutes. |
| POST / getProductOffers | Retrieves current product offers based on province (required) and optional parameters.    (\*) On-demand execution |
| GET / getMerchants | Retrieves active merchants.    (\*) On-demand execution |
| GET / getCategories | Retrieves categories and subcategories.    (\*) On-demand execution |

**1.** **getFlippData**

**HTTP Request:**

GET http://{DOMAIN}/getFlippData?province={q}

### **Query Parameters:**

| **Parameter** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| province | string | Yes | Accepts a province code to retrieve data for a specific province, or "all" to retrieve data for all provinces. |

### **Example query:**

<http://localhost:3000/getFlippData?province=ON>

<http://localhost:3000/getFlippData?province=all>

### **Response:**

{

"message": "Product data import finished.",

"totalNewItems": 325,

"details": {

"Alberta": {

"newItems": 22,

"status": "Completed"

},

"Saskatchewan": {

"newItems": 22,

"status": "Completed"

},

"British Columbia": {

"newItems": 26,

"status": "Completed"

},

"Yukon": {

"newItems": 0,

"status": "Completed"

},

"Manitoba": {

"newItems": 0,

"status": "Completed"

},

"Ontario": {

"newItems": 135,

"status": "Completed"

},

"Quebec": {

"newItems": 24,

"status": "Completed"

},

"New Brunswick": {

"newItems": 12,

"status": "Completed"

},

"Nova Scotia": {

"newItems": 15,

"status": "Completed"

},

"Newfoundland and Labrador": {

"newItems": 10,

"status": "Completed"

},

"Prince Edward Island": {

"newItems": 20,

"status": "Completed"

},

"Northwest Territories": {

"newItems": 39,

"status": "Completed"

}

}

}

**2.** **setProductOffers**

**HTTP Request:**

POST http://{DOMAIN}/setProductOffers

### **Body of the request:**

| **Parameter** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| processId | string | No | If processId is provided, filter processing to a specific process identified by this ID. Otherwise, it performs bulk processing for all pending offers. |

### **Example query (with parameter):**

<http://localhost:3000/setProductOffers>

Body of the request (JSON format):

{

"processId":"5cb869ed-e77b-456f-bd77-c68fff944f09"

}

### **Response:**

{

"message": "Product offers processed successfully"

}

### **Example query (without parameter –> Bulk processing):**

<http://localhost:3000/setProductOffers>

### **Response:**

{

"message": "Product offers processed successfully",

"totalProcessedOffers": 265

}

**3.** **setOldProductOffers**

**HTTP Request:**

GET http://{DOMAIN}/setOldProductOffers?province={q}

### **Query Parameters:**

| **Parameter** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| province | string | Yes | Accepts a province code to archive expired offers for a specific province, or "all" to archive expired offers for all provinces. |

### **Example query:**

<http://localhost:3000/setOldProductOffers?province=all>

<http://localhost:3000/setOldProductOffers?province=BC>

### **Response:**

{

"message": "Expired offers check completed.",

"totalExpiredOffers": 1,

"details": {

"Saskatchewan": {

"expiredOffers": 1

}

}

}

**4.** **getProductOffers**

**HTTP Request:**

POST http://{DOMAIN}/getProductOffers

### **Body of the request:**

| **Parameter** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| province | string | Yes | Accepts a province code to retrieve data for a specific province. |
| merchants | [int] | No | Optional parameter: merchants’ IDs  Allows filtering by specific merchants |
| priceRange | object | No | Optional parameter:  {  "min": int value,  "max": int value  }  Allows filtering by price range |
| category | int | No | Optional parameter: category ID  Allows filtering by categories |
| subcategories | [int] | No | Optional parameter: subcategories IDs  Allows filtering by subcategories |
| product\_name | string | No | Optional parameter: text  Allows filtering by product name |
| expiration\_id | [int] | No | Optional parameter: Allows filtering based on expiration.    0 = Last 3 days  1 = Within one week  2 = Within two weeks    Compares product offer validity based on the ‘valid\_to’ date in the ‘product\_offers’ table. |

### **Example query:**

<http://localhost:3000/setProductOffers>

Body of the request (JSON format):

{

"province": "ON",

"merchants": [2018, 234],

"priceRange": {

"min": 3,

"max": 30

},

"category": 1,

"subcategories": [31, 49, 63],

"product\_name": "Butter",

"expiration\_id": 1

}

(\*) This example includes all optional parameters. You can customize your request by including only the filters you need.

### **Response:**

[

{

"id": "a98616ad-b07f-4b6e-ad9a-ff55460830c4",

"category\_id": 1,

"category": "Food, Beverages & Tobacco",

"sub\_category\_id": 31,

"subcategory": "Food Items",

"current\_price": "6.99",

"merchant\_id": 2018,

"name": "BUTTERBALL TURKEY BACON OR ZABIHA HALAL ORIGINAL CHICKEN STIX,300/375 g",

"original\_price": null,

"valid\_from": "2024-03-07T10:00:00.000Z",

"valid\_to": "2024-04-04T07:59:59.000Z",

"image\_url": "https://f.wishabi.net/page\_items/328107667/1709478598/extra\_large.jpg"

},

{

"id": "1dd3865d-f0a7-4983-a562-43f64441e34b",

"category\_id": 1,

"category": "Food, Beverages & Tobacco",

"sub\_category\_id": 31,

"subcategory": "Food Items",

"current\_price": "5.99",

"merchant\_id": 2018,

"name": "JIF PEANUT BUTTER, 1 KG OR NUTELLA HAZELNUT SPREAD, 725 G",

"original\_price": "6.99",

"valid\_from": "2024-03-28T08:00:00.000Z",

"valid\_to": "2024-04-04T07:59:59.000Z",

"image\_url": "https://f.wishabi.net/page\_items/330526664/1711080702/extra\_large.jpg"

},

{

"id": "6d5d25dc-3425-4aa6-ae39-ffa5468f8f30",

"category\_id": 1,

"category": "Food, Beverages & Tobacco",

"sub\_category\_id": 31,

"subcategory": "Food Items",

"current\_price": "21.99",

"merchant\_id": 2018,

"name": "BUTTERBALL TURKEY BREAST ROAST BONELESS OR SAHA HALAL TURKEY ROAST, 1.5 kg",

"original\_price": null,

"valid\_from": "2024-03-28T08:00:00.000Z",

"valid\_to": "2024-04-04T07:59:59.000Z",

"image\_url": "https://f.wishabi.net/page\_items/330526722/1711080715/extra\_large.jpg"

},

{

"id": "527344e9-724a-491b-8d50-c5ab8688df9b",

"category\_id": 1,

"category": "Food, Beverages & Tobacco",

"sub\_category\_id": 31,

"subcategory": "Food Items",

"current\_price": "6.99",

"merchant\_id": 2018,

"name": "LACTANTIA BUTTER STICKS, 454 g",

"original\_price": null,

"valid\_from": "2024-03-28T08:00:00.000Z",

"valid\_to": "2024-04-04T07:59:59.000Z",

"image\_url": "https://f.wishabi.net/page\_items/330588714/1711080710/extra\_large.jpg"

}

]

### 

**5.** **getMerchants**

**HTTP Request:**

GET http://{DOMAIN}/getMerchants

### **Example query:**

<http://localhost:3000/getMerchants>

### **Response:**

[

{

"id": 2269,

"merchant\_name": "Metro",

"merchant\_logo\_url": "https://images.wishabi.net/merchants/2269/1400709848/large"

},

{

"id": 234,

"merchant\_name": "Walmart",

"merchant\_logo\_url": "https://images.wishabi.net/merchants/ZYwGtgpsHDXclg==/mini\_magick20210513-1-7mktuv.png"

},

{

"id": 2018,

"merchant\_name": "Loblaws",

"merchant\_logo\_url": "https://images.wishabi.net/merchants/2018/1400707103/large"

}

]

**6.** **getCategories**

**HTTP Request:**

GET http://{DOMAIN}/getCategories

### **Example query:**

<http://localhost:3000/getCategories>

### **Response:**

[

{

"id": 1,

"name": "Food, Beverages & Tobacco",

"short\_name": "Food & Beverages",

"icon": "food",

"subcategories": [

{

"id": 21,

"name": "Beverages",

"short\_name": "Beverages"

},

{

"id": 47,

"name": "Food Items",

"short\_name": "Food Items"

}

]

},

{

"id": 11,

"name": "Media",

"short\_name": "Media",

"icon": null,

"subcategories": [

{

"id": 1,

"name": "DVDs & Videos",

"short\_name": "DVDs & Videos"

}

]

}