

# Cross Reference Project

*Dalton Cash*

## **Why this program was made:**

This program was created for a family member to aid them in finding new businesses to distribute their products. A potential new business to partner as a distributor has to meet certain criteria:

- Amount of Facebook followers
- Description of the store must be women's shopping, gift store, jewelry, etc., and not something to the effect of restaurant, attraction, etc.
- The zip code of a potential business must not be identical to an existing distributor's zip code.

## **Purpose of program:**

The purpose of the program is to compare zip codes of a searched business to a database of distributors' zip codes, as well as provide relevant info such as email, followers, and business description. This is achieved by inputting the business's facebook handle and running the program. The program searches through the page and finds all required information as well as comparing the zip codes, and returns the result in the form of Json to the UI.

## Demonstration of Running Code:

To begin, I'll add a current distributor to the database:

Name	Description
<b>distributor_name</b> * required string (query)	Name of business. (i.e, 'Jane Dane Jewelry')
	<input type="text" value="Feedmore Co."/>
<b>location</b> * required string (query)	Current location of Distributor. (If store has multiple locations, make another distributor entry with another location.)
	<input type="text" value="545 Ramsay Avenue, Brewton, Alabama"/>
	<input type="checkbox"/> Send empty value
<b>zip</b> * required string (query)	Zip code of business location
	<input type="text" value="36426"/>
	<input type="checkbox"/> Send empty value
<input type="button" value="Execute"/>	

Here are the results:

Code	Details
201	<div><p>Response body</p><pre>{   "distributor_id": 3,   "distributor_name": "Feedmore Co.",   "location": "545 Ramsay Avenue, Brewton, Alabama",   "zip": "36426" }</pre></div> <div><p>Response headers</p><pre>connection: keep-alive content-type: application/json date: Tue,05 Jul 2022 17:26:12 GMT keep-alive: timeout=60 transfer-encoding: chunked</pre></div>

Now I'll search for a business to check that the zip code is unique:

Name	Description
<b>fbHandle</b> * required	
string (query)	Handle correlating to the business's Facebook page, without the @ symbol.
	<input type="text" value="antigones.shop"/>
	<input type="checkbox"/> Send empty value
<button>Execute</button>	

Here are the results:

Code	Details
201	<div>Response body</div> <pre>{   "business_id": 1,   "business_name": "antigones.shop",   "business_description": "Women's clothing store",   "location": "110 St. Joseph Avenue, Brewton, AL 36426",   "zip": "36426",   "fbFollowers": "7444",   "email": "antigonesdowntown@gmail.com",   "duplicateZipCode": true,   "dateSearched": "05-07-2022 12:30:49",   "additionalMessages": "Duplicate Zip Code with distributor: name = Feedmore Co., ID = 2. " }</pre>

The program returned that the business's zip code is a duplicate of an existing distributor's zip code, the name and id of the distributor with the duplicate zip code, and any relevant information pertaining to the business.

Additional functionality:

Get Businesses:

*Returns all business searches stored in the database.*

default-get-business-controller

GET

/get/business

Get Businesses.

Get Businesses you've previously searched for.

Parameters

No parameters

Cancel

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/get/business' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/get/business
```

Server response

Code

Details

200

Response body

```
[
  {
    "business_id": 7,
    "business_name": "stachcompany",
    "business_description": "Stachcompany",
    "location": "227 Gunter Ave. Guntersville, AL Alabama 35976",
    "zip": "35976",
    "fbfollowers": "4,040",
    "email": "",
    "duplicateZipCode": false,
    "dateSearched": "2022-07-05 12:36:14",
    "additionalMessages": ""
  },
  {
    "business_id": 6,
    "business_name": "sweetpineapplehome",
    "business_description": "sweetpineapplehome",
    "location": "964 Airport Rd Suite 1, Huntsville, AL 35802",
    "zip": "35802",
    "fbfollowers": "5583",
    "email": "info@shopsweetpineapple.com",
    "duplicateZipCode": false,
    "dateSearched": "2022-07-05 12:36:03",
  }
]
```

*Returns all distributors stored in the database.*

GET /get/distributor Get Distributors

Returns all current distributors

Parameters

No parameters

Execute Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/get/distributor' \
  -H 'accept: application/json'
```

Request URL

http://localhost:8080/get/distributor

Server response

Code Details

200

Response body

```
[
  {
    "distributor_id": 2,
    "distributor_name": "Feedmore Co.",
    "location": "545 Ramsay Avenue, Brewton, Alabama",
    "zip": "36426"
  },
  {
    "distributor_id": 1,
    "distributor_name": "Gary's Bait & Seed",
    "location": "123 James Street, Knowhere, Ohio",
    "zip": "31902"
  },
  {
    "distributor_id": 3,
    "distributor_name": "Mrs. Tributor's Distributors",
    "location": "697 Jane Lane, Sharane, Maine",
    "zip": "54321"
  }
]
```

Download

## Delete Distributor:

*Returns a distributor if it is deleted from the database.*

default-delete-distributor-controller

DELETE /delete/distributor Delete distributor

Delete distributor you used to work with by using the distributor's id

Parameters

Cancel

Name	Description
<b>distributor_id</b> * required integer(\$int32) (query)	Id of the distributor you are no longer doing business with. Check the 'GetDistributorController' to look through distributors for the distributor_id.

Execute

Clear

Responses

Curl

curl -X 'DELETE' \  
'http://localhost:8080/delete/distributor?distributor\_id=1' \  
-H 'accept: application/json'

Request URL

http://localhost:8080/delete/distributor?distributor\_id=1

Server response

Code	Details
200	<div>Response body</div> <div><pre>{   "distributor_id": 1,   "distributor_name": "Gary's Bait &amp; Seed",   "location": "123 James Street, Knowhere, Ohio",   "zip": "31902" }</pre></div> <div><div>Download</div></div>