## 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:

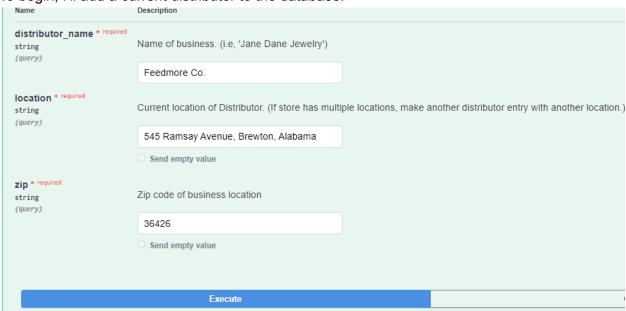
- Amount of Facebook followers
- Description of the store must be women's shopping, gift store, jewelry, etc., and not something to the effect of restaurant, attraction, etc.
- The zip code of a potential business must not be identical to an existing distributor's zip code.

## 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:



## Here are the results:

```
Code

Details

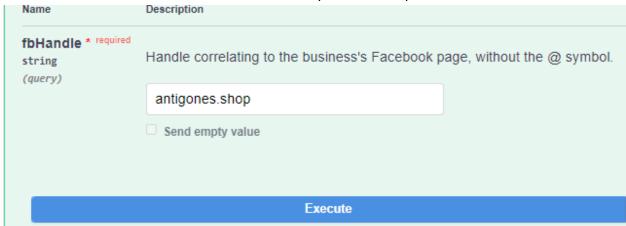
Response body

{
    "distributor_id": 3,
    "distributor_name": "Feedmore Co.",
    "location": "545 Ramsay Avenue, Brewton, Alabama",
    "zip": "36426"
    }

Response headers

connection: keep-alive
    content-type: application/json
    date: Tue,05 Jul 2022 17:26:12 GMT
    keep-alive: timeout=60
    transfer-encoding: chunked
```

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



#### Here are the results:

```
Response body

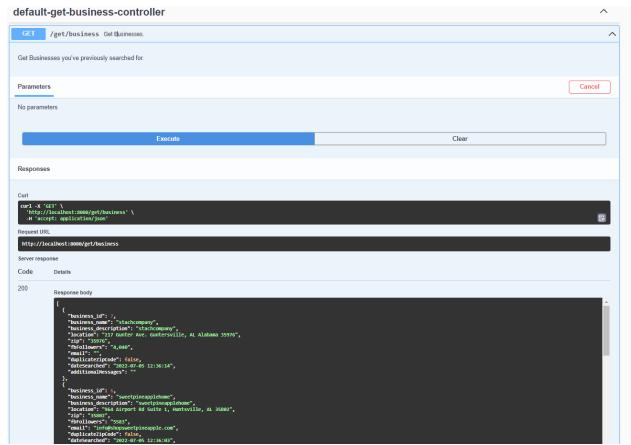
{
    "business_id": 1,
    "business_name": "antigones.shop",
    "business_description": "Women's clothing store",
    "location": "110 St. Joseph Avenue, Brewton, AL 36426",
    "zip": "36426",
    "fbFollowers": "7444",
    "email": "antigonesdowntown@gmail.com",
    "duplicateZipCode": true,
  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

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:

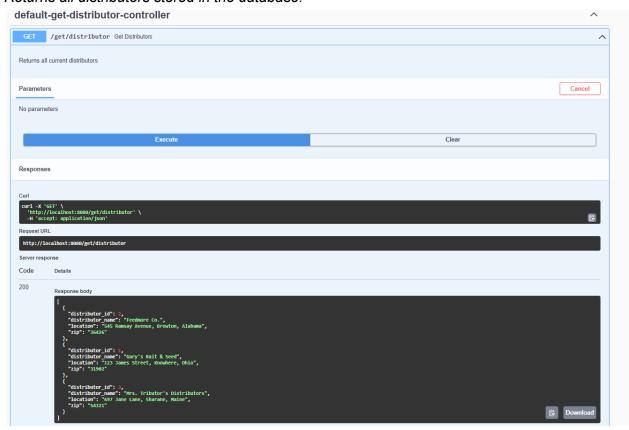
## Get Businesses:

Returns all business searches stored in the database.



## Get Distributors:

## Returns all distributors stored in the database.



## Delete Distributor:

Returns a distributor if it is deleted from the database.

