INTELIMETRICA Restaurant Services

API Integration Guide – V0.1

Contenido

Overview

Enablement of a restaurant database to support external queries.

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Version No.	Created By	Creation Date	Sections	Description of Change(s)
v0.1	Fabiola Monfil Jimenez	31/Agosto/2017	All	Initial draft

Document Change Control

API Specifications

1.1 GET /restaurants

GET	/restaurants
URL	https://monfilrestaurants.herokuapp.com
AUTHORIZATION MODEL	N/A
DATA ENCRYPTION MODEL	No

Description:

This API is used to obtain a list of all the restaurants in the Database with all the information described in the JSON response section.

Querystring Attributes Descriptions	
N/A	

Request Attributes Descriptions	
N/A	

JSON REQUEST

```
GET Https://monfilrestaurants.herokuapp.com/restaurants
```

JSON Response Attributes Descriptions	
id	Unique identifier of restaurant.
rating	Number between 0 and 4 based on the rating of the restaurant.
name	Name of the restaurant.
site	URL of the landing page of the restaurant.
email	Email to contact restaurant owners.
phone	Phone to contact restaurant owners.
street	Street of the location of the restaurant.
city	City of the location of the restaurant.
state	State of the location of the restaurant.
lat	Latitude of the location of the restaurant.
lng	Longitude of the location of the restaurant.
created_at	Creation Timestamp
updated_at	Update Timestamp
coord	TPoint coordinates

JSON RESPONSE

```
[
  {
```

```
    "id": "4e17896d-a26f-44ae-a8a4-5fbd5cde79b0",
    "rating": 0,
    "name": "Hernández - Lira",
    "site": "http://graciela.com.mx",
    "email": "Brandon_Vigil@hotmail.com",
    "phone": "570 746 998",
    "street": "93725 Erick Arroyo",
    "city": "Mateofurt",
    "state": "Hidalgo",
    "lat": 19.437904276995,
    "lng": -99.1286576775023,
    "created_at": "2017-09-01T00:18:13.195Z",
    "updated_at": "2017-09-01T00:18:13.195Z",
    "coord":"POINT(-99.1286576775023 19.437904276995)"
},
{
    "id": "c0ffd058-e773-47f1-974b-42d41cb555bf",
    "rating": 3,
    "name": "Rendón - Elizondo",
    "site": "https://cristina.mx",
    "email": "Hugo.Casanova49@gmail.com",
    "phone": "5866-337-812",
    "street": "5518 Monserrat Explanada",
    "city": "Chignahuapan María",
    "state": "Sinaloa",
    "lat": 19.4360705910348,
    "lng": -99.1297865731994,
    "created_at": "2017-09-01T00:18:13.203Z",
    "updated_at": "2017-09-01T00:18:13.203Z",
    "coord":"POINT(-99.1297865731994 19.4360705910348)"
},
{
    "id": "c29082c4-4352-4517-9b4b-c45f86fc1830",
    "rating": 2,
    "name": "Nájera - Chávez",
    "site": "https://pedro.gob.mx",
    "email": "Carlota31@hotmail.com",
    "phone": "5532-129-406",
    "street": "79224 Mariano Travesía",
    "city": "Nezahualcóyotl Timoteo",
    "state": "Coahuila",
    "lat": 19.4424869116657,
    "lng": -99.1238332599196,
    "created_at": "2017-09-01T00:18:13.210Z",
    "updated_at": "2017-09-01T00:18:13.210Z",
```

```
      "coord":"POINT(-99.1238332599196 19.4424869116657)"
   }
]
```

Response Messages	
HTTP Status Code	**Reason**
200	Success.
500	Internal Error

1.2 PUT/restaurants/{id}

PUT	/restaurants/{id}
URL	https://monfilrestaurants.herokuapp.com
AUTHORIZATION MODEL	N/A
DATA ENCRYPTION MODEL	No

Description:

This API is used to update the information of one of the restaurants, it will overwrite everything.

Querystring Attributes Descriptions	
Id	[MANDATORY] Unique ID of the restaurant to be updated

Request Attributes Descriptions	
rating	Number between 0 and 4 based on the rating of the restaurant.
name	Name of the restaurant.
site	URL of the landing page of the restaurant.
email	Email to contact restaurant owners.
phone	Phone to contact restaurant owners.
street	Street of the location of the restaurant.
city	City of the location of the restaurant.
state	State of the location of the restaurant.
lat	Latitude of the location of the restaurant.
lng	Longitude of the location of the restaurant.

JSON REQUEST

```
PUT
Https://monfilrestaurants.herokuapp.com/restaurants/851f799f-0852-439e-b9b2-df92
c43e7672

{
    "rating":"1",
    "name":" Barajas, Bahena and Kano"
}
```

JSON Response Attributes Descriptions	
N/A	

JSON RESPONSE		
Standard HTTP Headers		
Response Messages		
HTTP Status Code	Reason	
204	Id found	
404	Resource not found.	
500	Internal Error	

1.3 POST/restaurants

POST	/restaurants
URL	https://monfilrestaurants.herokuapp.com
AUTHORIZATION MODEL	N/A
DATA ENCRYPTION MODEL	No

Description:

This API is used to create one restaurant as new.

Querystring Attributes Descriptions	
N/A	

Request Attributes Descriptions	
id	[MANDATORY] Unique identifier of restaurant.
rating	[MANDATORY] Number between 0 and 4 based on the rating of the restaurant.
name	[MANDATORY] Name of the restaurant.
site	[MANDATORY] URL of the landing page of the restaurant.
email	[MANDATORY] Email to contact restaurant owners.
phone	[MANDATORY] Phone to contact restaurant owners.
street	[MANDATORY] Street of the location of the restaurant.
city	[MANDATORY] City of the location of the restaurant.
state	[MANDATORY] State of the location of the restaurant.
lat	[MANDATORY] Latitude of the location of the restaurant.
lng	[MANDATORY] Longitude of the location of the restaurant.

JSON REQUEST

POST Https://monfilrestaurants.herokuapp.com/restaurants

```
{
    "id ":"851f799f-0852-439e-b9b2-df92c43e7672",
    "rating":1,
    "name":" Barajas, Bahena and Kano",
    "site":" https://federico.com",
    "email":"test@mail.com",
    "phone":"01234567890",
    "street":"123 siempreviva",
    "city":"CDMX",
    "state":"CDMX",
    "lat":"12.34567890",
    "lng":"-91.1234567"
```

```
    }
```

JSON Response Attributes Descriptions	
id	Unique identifier of restaurant.
rating	Number between 0 and 4 based on the rating of the restaurant.
name	Name of the restaurant.
site	URL of the landing page of the restaurant.
email	Email to contact restaurant owners.
phone	Phone to contact restaurant owners.
street	Street of the location of the restaurant.
city	City of the location of the restaurant.
state	State of the location of the restaurant.
lat	Latitude of the location of the restaurant.
lng	Longitude of the location of the restaurant.
created_at	Creation Timestamp
updated_at	Update Timestamp
coord	TPoint coordinates (Set as null for the creation but after that an update of the coordinates based on lat and lng is runned immediately, no impact for any other request)

JSON RESPONSE

```
{
    "id ":"851f799f-0852-439e-b9b2-df92c43e7672",
    "rating":1,
    "name":" Barajas, Bahena and Kano",
    "site":" https://federico.com",
    "email":"test@mail.com",
    "phone":"01234567890",
    "street":"123 siempreviva",
    "city":"CDMX",
    "state":"CDMX",
    "lat":12.34567890,
    "lng":-91.1234567,
     "created_at": "2017-09-01T07:39:59.884Z",
     "updated_at": "2017-09-01T07:39:59.884Z",
     "coord":"null"

}
```

Response Messages	
HTTP Status Code	**Reason**
201	Created
500	Internal Error

1.4 DELETE/restaurants/{id}

DELETE	/restaurants/{id}
URL	https://monfilrestaurants.herokuapp.com
AUTHORIZATION MODEL	N/A
DATA ENCRYPTION MODEL	No

Description:

This API is used to delete one of the restaurants definitely.

Querystring Attributes Descriptions	
Id	[MANDATORY] Unique ID of the restaurant to be deleted definitely.
Request Attributes Descriptions	
N/A	

JSON REQUEST

```
DELETE
Https://monfilrestaurants.herokuapp.com/restaurants/851f799f-0852-439e-b9b2-df92
c43e7672
```

JSON Response Attributes Descriptions	
N/A	

JSON RESPONSE

Standard HTTP Headers

Response Messages	
HTTP Status Code	**Reason**
204	Id Found
404	Resource not found.
500	Internal Error

1.5 GET/restaurants/statistics

GET	/restaurants/statistics
URL	https://monfilrestaurants.herokuapp.com
AUTHORIZATION MODEL	N/A
DATA ENCRYPTION MODEL	No

Description:

This API is used to obtain all the restaurants in a circle around of the position stated on the request with specific info about it.

Querystring Attributes Descriptions	
latitude	[MANDATORY] Latitude info to consider as the center of the search.
longitude	[MANDATORY] Longitude info to consider as the center of the search.
radius	[MANDATORY] Radius of the circle to perform the search in meters.

Request Attributes Descriptions	
N/A	

JSON REQUEST

```
GET
Https://monfilrestaurants.herokuapp.com/restaurants/statistics?latitude=19.44005705
37131&longitude= -99.1270470974249&radius=100
```

JSON Response Attributes Descriptions	
count	Count of restaurants that fall inside the circle with center *[x,y]* y radius *z*
avg	Average rating of restaurant inside the circle
std	Standard deviation of rating of restaurants inside the circle

JSON RESPONSE

```
{
  "count"=23,
  "avg"=3.5,
  "std"=3.67
}
```

Response Messages	
HTTP Status Code	**Reason**
200	Success.
500	Internal Error

Data Field Definitions

Data Format and Lenght	
Elements	Data Type
restaurantId	TEXT (36)
rating	INTEGER(1)
name	TEXT
site	TEXT
email	TEXT
phone	TEXT
street	TEXT
city	TEXT
state	TEXT
lat	FLOAT
long	FLOAT
latitude	FLOAT
longitude	FLOAT
radius	INTEGER
created_at	TIMESTAMP
updated_at	TIMESTAMP
coord	TPOINT