
FOOD-TRUCK-PROXIMITY

API DOCUMENTATION

V1.0

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Thomas H. Pedersen

Contents

1.1	API Overview	2
1.2	Error Response	2
1.3	GET /	3
1.4	GET /foodtrucks	5
1.5	POST /foodtrucks	7
1.6	GET /foodtrucks/{truck_id}	9
1.7	PUT /foodtrucks/{truck_id}	11
1.8	DELETE /foodtrucks/{truck_id}	14
1.9	GET /foodtrucks/name/{search string}	15
1.10	GET /foodtrucks/items/{search string}	17
1.11	GET /foodtrucks/location	19

1.1 API OVERVIEW

Table 1.1: API overview

Method	Endpoint	Description
GET	/	Resource metadata
GET	/foodtrucks	List all food trucks
POST	/foodtrucks	Add food truck
GET	/foodtrucks/{truck_id}	Get food truck details
PUT	/foodtrucks/{truck_id}	Update food truck
DELETE	/foodtrucks/{truck_id}	Remove food truck
GET	/foodtrucks/name/{needle}	Get food trucks with name
GET	/foodtrucks/items/{needle}	Get food trucks with items
GET	/foodtrucks/location	Get food trucks in proximity

1.2 ERROR RESPONSE

The error responses have a consistent format, providing the client with a human-readable message describing the error and the status code.

```
{
  'status': 400
  'message': 'Invalid parameter type'
}
```

Table 1.2: Response fields

Name	Type	Description
code	int	HTTP status code
message	string	Human-readable error description

1.3 GET /

The *root* endpoint returns metadata information about the resource collections. The response includes the number of entries in the collections as well as data specific to the collection. Currently, only the *foodtrucks* collection is available. The metadata about this collection includes a geographical bounding box for the area its entries span.

1.3.1 Resource

GET /

1.3.2 Example Request

```
curl 'https://food-truck-proximity.herokuapp.com/'
```

1.3.3 Response

Status-Code: 200

```

{
  "foodtrucks":
  {
    "entries": 511,
    "geo_area":
    {
      "max_latitude": 37.8077432884455,
      "max_longitude": -122.373302577485,
      "min_latitude": 37.7093754640014,
      "min_longitude": -122.4900712081
    },
    "name": "foodtrucks"
  }
}

```

Table 1.3: Response fields

Name	Type	Description
entries	int	Number of entries in collection
geo_area	object	Geographical operating area
geo_area.max_latitude	float	maximum latitude in collection
geo_area.max_longitude	float	maximum longitude in collection
geo_area.min_latitude	float	minimum latitude in collection
geo_area.min_longitude	float	minimum longitude in collection
name	string	name of collection

1.4 GET /FOODTRUCKS

The GET /foodtrucks endpoint returns information about all food trucks in the collection.

1.4.1 Resource

GET /foodtrucks

1.4.2 Example Request

```
curl 'https://food-truck-proximity.herokuapp.com/foodtrucks'
```

1.4.3 Response

Status-Code: 200

```

{
  "foodtrucks": [
    {
      "days_hours": "Tu/We/Th:11AM-2PM",
      "food_items": "Katsu Curry: KUROBUTA Sausage Curry",
      "latitude": 37.7891192076677,
      "longitude": -122.395881039335,
      "name": "JapaCurry",
      "uuid": 1
    },
    {
      "days_hours": "Mo-Fr:11AM-12PM",
      "food_items": "Soda:Chips:Candy: Cold/Hot Sandwiches",
      "latitude": 37.7781283797338,
      "longitude": -122.418652129997,
      "name": "John's Catering #5",
      "uuid": 2
    },
    ...
  ]
}

```

Table 1.4: Response fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck
uuid	int	Unique identifier

1.5 POST /FOODTRUCKS

The POST /foodtrucks endpoint allows a client to add a food truck to the collection. The POST request returns the details about the added truck, including its identifier.

1.5.1 Resource

POST /foodtrucks

1.5.2 POST Parameters

Table 1.5: POST Parameter Fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck

1.5.3 Example Request

```
curl
-X POST
-H "Content-Type:application/json"
-d '{
  "name": "Food Truck 1",
  "latitude" : 37.7202,
  "longitude": -122.3887,
  "days_hours": "Mon-Fri:10AM-4PM",
  "food_items": "sandwiches"
}'
'https://food-truck-proximity.herokuapp.com/foodtrucks'
```


1.5.4 Response

Status-Code: 201

```
{
  "days_hours": "Mon-Fri:10AM-4PM",
  "food_items": "sandwiches",
  "latitude": 37.7202,
  "longitude": -122.3887,
  "name": "Food Truck 1",
  "uuid": 512
}
```

Table 1.6: Response fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck
uuid	int	Unique identifier

1.6 GET /FOODTRUCKS/{TRUCK_ID}

The GET /foodtrucks/{truck_id} endpoint returns information about a specific food truck.

1.6.1 Resource

GET /foodtrucks/{truck_id}

1.6.2 Path Parameters

Table 1.7: Path Parameters

Name	Type	Description
truck_id	int	food truck identifier

1.6.3 Example Request

```
curl 'https://food-truck-proximity.herokuapp.com/foodtrucks/1'
```

1.6.4 Response

Status-Code: 200

```
{
  "days_hours": "Tu/We/Th:11AM-2PM",
  "food_items": "Katsu Curry: KUROBUTA Sausage Curry",
  "latitude": 37.7891192076677,
  "longitude": -122.395881039335,
  "name": "JapaCurry",
  "uuid": 1
}
```

Table 1.8: Response fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck
uuid	int	Unique identifier

1.7 PUT /FOODTRUCKS/{TRUCK_ID}

The PUT /foodtrucks/{truck_id} endpoint allows a client to update or create a food truck in the collection. The request updates a food truck if it currently exists, otherwise it creates a new truck with specified identifier. The PUT request returns the details about the updated truck, including its identifier.

1.7.1 Resource

PUT /foodtrucks/{truck_id}

1.7.2 Path Parameters

Table 1.9: Path Parameters

Name	Type	Description
truck_id	int	food truck identifier

1.7.3 PUT Parameters

Table 1.10: PUT Parameter Fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck

1.7.4 Example Request

```
curl
  -X PUT
  -H "Content-Type:application/json"
  -d '{
    "name": "Food Truck 1",
    "latitude" : 37.7202,
    "longitude": -122.3887,
    "days_hours": "Mon-Fri:10AM-4PM",
    "food_items": "sandwiches"
  }'
  'https://food-truck-proximity.herokuapp.com/foodtrucks/512'
```

1.7.5 Response

Status-Code: 200

```
{
  "days_hours": "Mon-Fri:10AM-4PM",
  "food_items": "sandwiches",
  "latitude": 37.7202,
  "longitude": -122.3887,
  "name": "Food Truck 1",
  "uuid": 512
}
```

Table 1.11: Response fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck
uuid	int	Unique identifier

1.8 DELETE /FOODTRUCKS/{TRUCK_ID}

The DELETE /foodtrucks/{truck_id} endpoint allows a client to remove a specific food truck from the collection.

1.8.1 Resource

DELETE /foodtrucks/{truck_id}

1.8.2 Path Parameters

Table 1.12: Path Parameters

Name	Type	Description
truck_id	int	food truck identifier

1.8.3 Example Request

```
curl -X DELETE
'https://food-truck-proximity.herokuapp.com/foodtrucks/512'
```

1.8.4 Response

Status-Code: 200

```
{
  "message": "Entry deleted"
}
```

Table 1.13: Response fields

Name	Type	Description
message	string	Status message

1.9 GET /FOODTRUCKS/NAME/{SEARCH STRING}

The GET /foodtrucks/name/{search string} endpoint allows a client to get all food trucks with a name that contains the search substring.

1.9.1 Resource

GET /foodtrucks/name/{search string}

1.9.2 Path Parameters

Table 1.14: Path Parameters

Name	Type	Description
search string	string	Substring that the name of food trucks must contain

1.9.3 Example Request

```
curl
'https://food-truck-proximity.herokuapp.com/foodtrucks/name/trolley'
```

1.9.4 Response

Status-Code: 200


```

{
  "foodtrucks": [
    {
      "days_hours": "Mo-Su:10AM-8PM",
      "food_items": "Gyros: Kebobs: refreshments and dessert",
      "latitude": 37.77764220851,
      "longitude": -122.393418145932,
      "name": "Kabob Trolley, LLC",
      "uuid": 163
    },
    {
      "days_hours": "Mo/Tu/Fr:9AM-4PM",
      "food_items": "Halal Gyro and Cheesesteaks",
      "latitude": 37.7783302557659,
      "longitude": -122.411515865268,
      "name": "Kabob Trolley, LLC",
      "uuid": 220
    }
  ]
}

```

Table 1.15: Response fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck
uuid	int	Unique identifier

1.10 GET /FOODTRUCKS/ITEMS/{SEARCH STRING}

The GET /foodtrucks/items/{search string} endpoint allows a client to get all food trucks with a menu that contains the search substring.

1.10.1 Resource

GET /foodtrucks/items/{search string}

1.10.2 Path Parameters

Table 1.16: Path Parameters

Name	Type	Description
search string	string	Substring that the menu items of food trucks must contain

1.10.3 Example Request

```
curl
'https://food-truck-proximity.herokuapp.com/foodtrucks/items/soda'
```

1.10.4 Response

Status-Code: 200

```

{
  "foodtrucks": [
    {
      "days_hours": "Mo-Fr:9AM-10AM",
      "food_items": "Soda:Chips:Candy: Cold/Hot Sandwiches",
      "latitude": 37.7766269199223,
      "longitude": -122.399555503787,
      "name": "John's Catering #5",
      "uuid": 11
    },
    {
      "days_hours": "Mo/We/Fr:10AM-2PM",
      "food_items": "Fried burrito: rice placet: soda:",
      "latitude": 37.7226292175983,
      "longitude": -122.390061846327,
      "name": "Eva's Catering",
      "uuid": 14
    }
  ]
}

```

Table 1.17: Response fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck
uuid	int	Unique identifier

1.11 GET /FOODTRUCKS/LOCATION

The GET /foodtrucks/location endpoint returns all food trucks within a radius of specified location. The request must include `latitude` and `longitude` coordinates, and optionally a `radius` parameters can be specified. If the radius is not specified, a default radius of 500m is used. The returned results can be filtered by food trucks with names that contain a substring or menu items that contain a substring by specifying optional `name` and `item` parameters.

1.11.1 Resource

GET /foodtrucks/location

1.11.2 Path Parameters

Table 1.18: Path Parameters

Name	Type	Description	Optional
latitude	float	Latitude coordinate	No
longitude	float	Longitude coordinate	No
radius	int	Search radius	Yes
name	string	Substring that food truck names must contain	Yes
items	string	Substring that food truck menu items must contain	Yes

1.11.3 Example Request

```
curl
  'https://food-truck-proximity.herokuapp.com/foodtrucks/location?
latitude=37.7201
&longitude=-122.3886'
```

1.11.4 Response

Status-Code: 200

```
{
  "foodtrucks": [
    {
      "days_hours": "Mo-Fr:2PM-3PM",
      "food_items": "Ice Cream: Pre-Packaged Chips",
      "latitude": 37.7201747226493,
      "longitude": -122.389407114342,
      "name": "Singh Brothers Ice Cream",
      "uuid": 364
    },
    {
      "days_hours": "Mo-Fr:7AM-8AM",
      "food_items": "Sandwiches: Noodles",
      "latitude": 37.7214508397335,
      "longitude": -122.389353445076,
      "name": "Anas Goodies Catering",
      "uuid": 495
    },
    ...
  ]
}
```

Table 1.19: Response fields

Name	Type	Description
days_hours	string	Business hours
food_items	string	Menu items
latitude	float	Latitude coordinate
longitude	float	Longitude coordinate
name	string	Name of food truck
uuid	int	Unique identifier