
FOOD-TRUCK-PROXIMITY

API DOCUMENTATION

V1.0

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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 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.

1.2.1 Resource

GET /

1.2.2 Example Request

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

1.2.3 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 1.2: 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 |

1.3 GET /FOODTRUCKS

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

1.3.1 Resource

GET /foodtrucks

1.3.2 Example Request

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

1.3.3 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 1.3: 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 |

1.4 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.

1.4.1 Resource

POST /foodtrucks

1.4.2 POST Parameters

Table 1.4: 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 |

1.4.3 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'
```


1.4.4 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 1.5: 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 GET /FOODTRUCKS/{TRUCK_ID}

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

1.5.1 Resource

GET /foodtrucks/{truck_id}

1.5.2 Path Parameters

Table 1.6: Path Parameters

| Name | Type | Description |
|----------|------|-----------------------|
| truck_id | int | food truck identifier |

1.5.3 Example Request

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

1.5.4 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 1.7: 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 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.

1.6.1 Resource

PUT /foodtrucks/{truck_id}

1.6.2 Path Parameters

Table 1.8: Path Parameters

| Name | Type | Description |
|----------|------|-----------------------|
| truck_id | int | food truck identifier |

1.6.3 PUT Parameters

Table 1.9: 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 |

1.6.4 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'
```

1.6.5 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 1.10: 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 DELETE /FOODTRUCKS/{TRUCK_ID}

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

1.7.1 Resource

DELETE /foodtrucks/{truck_id}

1.7.2 Path Parameters

Table 1.11: Path Parameters

| Name | Type | Description |
|----------|------|-----------------------|
| truck_id | int | food truck identifier |

1.7.3 Example Request

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

1.7.4 Response

Status-Code: 200

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

Table 1.12: Response fields

| Name | Type | Description |
|---------|--------|----------------|
| message | string | Status message |

1.8 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.

1.8.1 Resource

GET /foodtrucks/name/{search string}

1.8.2 Path Parameters

Table 1.13: Path Parameters

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

1.8.3 Example Request

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

1.8.4 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 1.14: 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 |

1.9 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.

1.9.1 Resource

GET /foodtrucks/items/{search string}

1.9.2 Path Parameters

Table 1.15: Path Parameters

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

1.9.3 Example Request

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

1.9.4 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 1.16: 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/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.

1.10.1 Resource

GET /foodtrucks/location

1.10.2 Path Parameters

Table 1.17: 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 |

1.10.3 Example Request

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

1.10.4 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 1.18: 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 |