

Bumpy API

This is the amazing Bumpy API that powers both our web interface and the Android app.

More information: <https://helloeverb.com>

Contact Info: hello@helloeverb.com

Version: 1.0.0

BasePath:/v1

All rights reserved

<http://apache.org/licenses/LICENSE-2.0.html>

Access

Methods

[[Jump to Models](#)]

Table of Contents

[MapData](#)

- [GET /mapData/getBumpyIssuePoints](#)
- [GET /mapData/getFixMyStreetIssuePoints](#)
- [GET /mapData/getRoadQualitySegments](#)

[Trip](#)

- [GET /trip/getTripByTripUUID](#)
- [GET /trip/getTripsByDeviceUUID](#)
- [POST /trip/insertNewTrip](#)
- [POST /trip/uploadMotionFile](#)

MapData

GET /mapData/getBumpyIssuePoints Up

Get the autocomputed points (`getBumpyIssuePoints`)

Query parameters

bottomLeftLat (required)

Query Parameter — The bottom left coordinate of the corner of the screen

bottomLeftLon (required)

Query Parameter — The bottom left coordinate of the corner of the screen

topRightLat (required)

Query Parameter — The top right coordinate of the corner of the screen

topRightLon (required)

Query Parameter — The top right coordinate of the corner of the screen

Return type

array[[BumpyPoint](#)]

Example data

Content-Type: application/json

```
[ {  
  "lon" : 108.49421129526726,}
```

```
"pointUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
"lat" : 7.2074537141491035,
"bumpScore" : 1.4658129805029452
}, {
"lon" : 108.49421129526726,
"pointUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
"lat" : 7.2074537141491035,
"bumpScore" : 1.4658129805029452
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Successful operation

500

Unexpected exception [ApiResponse](#)

Up

GET /mapData/getFixMyStreetIssuePoints

Get the FixMyStreet points ([getFixMyStreetIssuePoints](#))

Query parameters

bottomLeftLat (required)

Query Parameter — The bottom left coordinate of the corner of the screen

bottomLeftLon (required)

Query Parameter — The bottom left coordinate of the corner of the screen

topRightLat (required)

Query Parameter — The top right coordinate of the corner of the screen

topRightLon (required)

Query Parameter — The top right coordinate of the corner of the screen

Return type

array[[FixMyStreetPoint](#)]

Example data

Content-Type: application/json

```
[ {
"fixMyStreetUrl" : "http://example.com/aeiou",
"lon" : 108.49421129526726,
"pointUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
"lat" : 7.2074537141491035
}, {
"fixMyStreetUrl" : "http://example.com/aeiou",
"lon" : 108.49421129526726,
"pointUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
"lat" : 7.2074537141491035
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Successful operation

500

Unexpected exception [ApiResponse](#)



GET /mapData/getRoadQualitySegments

Get the paths composed of segments to display the heatmap ([getRoadQualitySegments](#))

Query parameters

bottomLeftLat (required)

Query Parameter — The bottom left coordinate of the corner of the screen

bottomLeftLon (required)

Query Parameter — The bottom left coordinate of the corner of the screen

topRightLat (required)

Query Parameter — The top right coordinate of the corner of the screen

topRightLon (required)

Query Parameter — The top right coordinate of the corner of the screen

Return type

array[[Path](#)]

Example data

Content-Type: application/json

```
[ {
  "pathUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
  "segments" : [ {
    "startLat" : 7.2074537141491035,
    "endLat" : 13.192316824526507,
    "startLon" : 108.49421129526726,
    "endLon" : 107.31841050029728,
    "qualityScore" : 5.637376656633329,
    "segmentUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
  }, {
    "startLat" : 7.2074537141491035,
    "endLat" : 13.192316824526507,
    "startLon" : 108.49421129526726,
    "endLon" : 107.31841050029728,
    "qualityScore" : 5.637376656633329,
    "segmentUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
  } ]
}, {
  "pathUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
  "segments" : [ {
    "startLat" : 7.2074537141491035,
    "endLat" : 13.192316824526507,
    "startLon" : 108.49421129526726,
    "endLon" : 107.31841050029728,
    "qualityScore" : 5.637376656633329,
    "segmentUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
  }, {
    "startLat" : 7.2074537141491035,
    "endLat" : 13.192316824526507,
```

```
"startLon" : 108.49421129526726,
"endLon" : 107.31841050029728,
"qualityScore" : 5.637376656633329,
"segmentUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
} ]
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Successful operation

500

Unexpected exception [ApiResponse](#)

Trip

Up

GET /trip/getTripByTripUUID

Gets a trip given a tripUUID ([getTripByTripUUID](#))

Query parameters

tripUUID (required)

Query Parameter — format: uuid

Return type

[Trip](#)

Example data

Content-Type: application/json

```
{
  "distance" : 0.08008281904610115,
  "endTS" : "2000-01-23T04:56:07.000+00:00",
  "gnssData" : [ {
    "timeTS" : "2000-01-23T04:56:07.000+00:00",
    "lon" : 26.384633649053015,
    "lat" : 54.24710564763363,
    "speed" : 5.637376656633329,
    "ele" : 5.962133916683182
  }, {
    "timeTS" : "2000-01-23T04:56:07.000+00:00",
    "lon" : 26.384633649053015,
    "lat" : 54.24710564763363,
    "speed" : 5.637376656633329,
    "ele" : 5.962133916683182
  } ],
  "startTS" : "2000-01-23T04:56:07.000+00:00",
  "tripUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
  "deviceUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Successful operation [Trip](#)

404

Trip not found [ApiResponse](#)

500

Unexpected exception [ApiResponse](#)

Up

GET /trip/getTripsByDeviceUUID

Gets all the trips given a deviceUUID ([getTripsByDeviceUUID](#))

Query parameters

deviceUUID (required)

Query Parameter — format: uuid

Return type

array[[Trip](#)]

Example data

Content-Type: application/json

```
[ {
  "distance" : 0.08008281904610115,
  "endTS" : "2000-01-23T04:56:07.000+00:00",
  "gnssData" : [ {
    "timeTS" : "2000-01-23T04:56:07.000+00:00",
    "lon" : 26.384633649053015,
    "lat" : 54.24710564763363,
    "speed" : 5.637376656633329,
    "ele" : 5.962133916683182
  }, {
    "timeTS" : "2000-01-23T04:56:07.000+00:00",
    "lon" : 26.384633649053015,
    "lat" : 54.24710564763363,
    "speed" : 5.637376656633329,
    "ele" : 5.962133916683182
  } ],
  "startTS" : "2000-01-23T04:56:07.000+00:00",
  "tripUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
  "deviceUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
}, {
  "distance" : 0.08008281904610115,
  "endTS" : "2000-01-23T04:56:07.000+00:00",
  "gnssData" : [ {
    "timeTS" : "2000-01-23T04:56:07.000+00:00",
    "lon" : 26.384633649053015,
    "lat" : 54.24710564763363,
    "speed" : 5.637376656633329,
    "ele" : 5.962133916683182
  }, {
    "timeTS" : "2000-01-23T04:56:07.000+00:00",
    "lon" : 26.384633649053015,
```

```
"lat" : 54.24710564763363,
"speed" : 5.637376656633329,
"ele" : 5.962133916683182
} ],
"startTS" : "2000-01-23T04:56:07.000+00:00",
"tripUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91",
"deviceUUID" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Successful operation

500

Unexpected exception [ApiResponse](#)

POST /trip/insertNewTrip

Up

Insert a new bike trip and start the background processing. ([insertNewTrip](#))

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [Trip](#) (required)

Body Parameter —

Return type

[ApiResponse](#)

Example data

Content-Type: application/json

```
{
  "code" : 0,
  "type" : "type",
  "message" : "message"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Validation successful [ApiResponse](#)

405

Validation exception [ApiResponse](#)

500

Unexpected exception [ApiResponse](#)

POST /trip/uploadMotionFile

[Up](#)

Uploads a csv motion file, no checks are performed. (**uploadMotionFile**)

Consumes

This API call consumes the following media types via the Content-Type request header:

- text/csv

Return type

[ApiResponse](#)

Example data

Content-Type: application/json

```
{
  "code" : 0,
  "type" : "type",
  "message" : "message"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Upload successful [ApiResponse](#)

405

Validation exception [ApiResponse](#)

500

Unexpected exception [ApiResponse](#)

Models

[[Jump to Methods](#)]

Table of Contents

1. [ApiResponse](#)
2. [BumpyPoint](#)
3. [FixMyStreetPoint](#)
4. [Path](#)
5. [Path_segments](#)
6. [Trip](#)
7. [Trip_gnssData](#)

ApiResponse

[Up](#)

code (optional)

[Integer](#)

type (optional)

[String](#)

message (optional)

[String](#)

BumpyPoint

[Up](#)

pointUUID (optional)

[UUID](#) format: uuid

lat (optional)

[BigDecimal](#)

lon (optional)

[BigDecimal](#)

bumpScore (optional)

[BigDecimal](#)

FixMyStreetPoint

[Up](#)

pointUUID (optional)

[UUID](#) format: uuid

lat (optional)

[BigDecimal](#)

lon (optional)

[BigDecimal](#)

fixMyStreetUrl (optional)

[String](#) format: url

Path

[Up](#)

pathUUID (optional)

[UUID](#) format: uuid

segments (optional)

[array\[Path_segments\]](#)

Path_segments

[Up](#)

segmentUUID (optional)

[UUID](#) format: uuid

startLat (optional)

[BigDecimal](#)

startLon (optional)

[BigDecimal](#)

endLat (optional)

[BigDecimal](#)

endLon (optional)

[BigDecimal](#)

qualityScore (optional)

[BigDecimal](#)

Trip

[Up](#)

deviceUUID (optional)

[UUID](#) format: uuid

tripUUID (optional)

[UUID](#) format: uuid

startTS (optional)

[Date](#) format: date-time

endTS (optional)

[Date](#) format: date-time

distance (optional)

[BigDecimal](#) Expressed in meters

gnssData (optional)

[array\[Trip_gnssData\]](#)

Trip_gnssData

[Up](#)

timeTS (optional)

[Date](#) format: date-time

lat (optional)

[BigDecimal](#)

lon (optional)

[BigDecimal](#)

ele (optional)

[BigDecimal](#) Expressed in meters

speed (optional)

[BigDecimal](#) Expressed in meters per second