GET api/station

Description:

Gets a list of all stations

Returns:

```
200 OK

[
        {
                "station_id":501,
                "name":"Hanasaari",
                "address":"Hanasaarenranta 1",
                "city":"Espoo",
                "xpos":24.8403,
                "ypos":60.1658
        },
        {
                "station_id":503,
                "name":"Keilalahti",
                "address":"Keilalahdentie 2",
                "city":"Espoo",
                "xpos":24.8275,
                "ypos":60.1715
        },

        ...

]
```

POST api/station/page

Description:

Gets a page of stations, searched or filtered (optional)

Parameters:

```
{
    "pageIndex": "1",
    "pageSize": "10",
    "globalFilter": "",
    "filterCity": "Espoo"
}
```

pageIndex	The current page
pageSize	The size of the page
globalFilter	A search term, empty: no search
filterCity	"Helsinki" or "Espoo", empty: no filtering

Returns:

200 OK

```
{
    "content":
        [
            {
                "station_id":501,
                "name":"Hanasaari",
                "address":"Hanasaarenranta 1",
                "city":"Espoo",
                "xpos":24.8403,
                "ypos":60.1658
            },
            {
                "station_id":503,
                "name":"Keilalahti",
                "address":"Keilalahdentie 2",
                "city":"Espoo",
                "xpos":24.8275,
                "ypos":60.1715
            },

            ...
        ],
    "pageable":
        {
            "sort":
```

```
                    {
                            "empty":true,
                            "sorted":false,
                            "unsorted":true
                    },
                "offset":0,
                "pageNumber":0,
                "pageSize":10,
                "paged":true,"unpaged":false
        },
    "totalPages":46,
    "totalElements":460,
    "last":false,
    "size":10,
    "number":0,
    "sort":
        {
                "empty":true,
                "sorted":false,
                "unsorted":true
        },
    "numberOfElements":10,
    "first":true,
    "empty":false
}
```

totalPages	How many pages of the specified size there are altogether (for client-side navigation)
content	The list of stations

Errors:

400 Bad request	Parameters are missing

GET api/station/{*station_id*}

Description:

Gets the data for the specified station

Returns:

```
200 OK
```

```json
{
    "dailyReturnsToStation":
        [
                {
                        "date":"2021-05-03",
                        "count":1
                },
                {
                        "date":"2021-05-04",
                        "count":2
                },
                {
                        "date":"2021-05-05",
                        "count":1
                },
                ...
        ]
    "address":"Golfpolku 3",
    "yPos":60.1681,
    "numDepartures":484,
    "city":"Espoo",
    "averageReturnDistance":3298.0,
    "xPos":24.7961,
    "dailyDeparturesFromStation":
        [
                {
                        "date":"2021-05-03",
                        "count":2
                },
                {
                        "date":"2021-05-04",
                        "count":1
                },
                {
                        "date":"2021-05-05",
                        "count":3
                },
                ...
        ]
    "name":"Golfpolku",
    "returnedToFromStationRanked":
```

```json
            [
                "Länsituuli",
                "Revontulentie",
                "Lauttasaaren ostoskeskus",
                "Hanasaari",
                "Koivusaari (M)"
            ],
        "numReturns":492,
        "departedFromToStationRanked":
            [
                "Länsituuli",
                "Suomenlahdentie",
                "Piispansilta",
                "Niittymaa",
                "Golfpolku"
            ],
        "averageDepartureDistance":3239.0
}
```

dailyDeparturesFromStation	List of daily counts for graph
dailyReturnsToStation	List of daily counts for graph
returnedToFromStationRanked	List of most popular return stations
departedFromToStationRanked	List of most popular departure stations

Errors:

`404 Not found`   An station with this *station_id* does not exist

POST api/journey/page

Description:

Gets a page of journeys, sorted or filtered (optional)

Parameters:

```
{
    "pageIndex": "1",
    "pageSize": "10",
    "sortField": "duration",
    "sortOrder": "ascend",
    "filterDeparture": "metro",
    "filterReturn": ""
}
```

`pageIndex`	The current page
`pageSize`	The size of the page
`sortField`	”duration” or ”distance”, empty: no sorting
`sortOrder`	”ascend” or ”descend”
`filterDeparture`	”Metro station”, ”Train station”, ”Museum”, ”Stadium”, ”School”, empty: no filtering
`filterReturn`	”Metro station”, ”Train station”, ”Museum”, ”Stadium”, ”School”, empty: no filtering

Returns:

```
200 OK
```

```
{
     "content":
          [
                {
                      "departureDate":"2021-06-30",
                      "returnDate":"2021-07-01",
                      "departureStationId":107,
                      "departureStationName":"Tenholantie",
                      "returnStationId":111,
                      "returnStationName":"Esterinportti",
                      "distance":1847.0,
                      "duration":407
                },
                {
                      "departureDate":"2021-06-30",
                      "returnDate":"2021-07-01",
                      "departureStationId":9,
```

```
                    "departureStationName":"Erottajan aukio",
                    "returnStationId":40,
                    "returnStationName":"Hakaniemi (M)",
                    "distance":1602.0,
                    "duration":405
                }
                ...
        ],
    "pageable":
        {
                "sort":
                    {
                            "empty":true,
                            "sorted":true,
                            "unsorted":false
                    },
                "offset":0,
                "pageNumber":0,
                "pageSize":10,
                "paged":true,"unpaged":false
        },
    "totalPages":323,
    "totalElements":3230,
    "last":false,
    "size":10,
    "number":0,
    "sort":
        {
                "empty":true,
                "sorted":true,
                "unsorted":false
        },
    "numberOfElements":10,
    "first":true,
    "empty":false
}
```

totalPages	How many pages of the specified size there are altogether (for client-side navigation)
content	The list of journeys

Errors:

`400 Bad request`	Parameters are missing

POST api/station

Description:

Adds a new station

Parameters:

```
{
        "station_id":500,
        "name":"Hanasaari",
        "address":"Hanasaarenranta 1",
        "city":"Espoo",
        "xpos":24.8403,
        "ypos":60.1658
},
```

Returns:

```
201 Created
```

Errors:

`400 Bad request`   Parameters have the wrong format

`500 Server error`   The new station could not be added

DELETE api/station/{*station_id*}

Description:

Deletes the specified station

Returns:

`200 OK`

Errors:

`404 Not found`   An station with this *station_id* does not exist