



Overview

This describes the sources that make up the Jitensha API v1.

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Current Version

The initial Api version must be API v1.

Schema

All communication must be done over HTTP, and accessed from the your local machine: <http://localhost:8080>. All data is sent and received as JSON.

Client Errors

There are four possible types of client errors on API calls:

1. Sending invalid JSON will result in a 400 Bad Request response.
2. Sending invalid credentials will result in a 401 Unauthorized response.
3. Sending invalid access token will result in a 403 Forbidden response.

Authentication

There is one way to authenticate through Jitensha Api v1 using a basic authentication defined as:

```
POST /api/v1/auth
```

Request

Name	Value
Email	Up to 128 characters representing the user's email.
Password	Up to 32 characters representing the user's password.

```
{  
  "email": "crossover@crossover.com",  
  "password": "crossover",  
}
```

Response

Name	Type
accessToken	string

```
{  
  "accessToken": "AYqCb97qqSQ2AbMNjKR5skKQbpOpFE3oLr43A9ND..."  
}
```

Register Endpoint

Register a new user within the Jitensha api v1, unauthenticated end point.

```
POST /api/v1/register
```

Request

Name	Description
Email	Up to 128 characters representing the user's email.
Password	Up to 32 characters representing the user's password.

```
{
  "email": "crossover@crossover.com",
  "password": "crossover",
}
```

Response

Name	Type
accessToken	string

```
{
  "accessToken": "AYqCb97qqSQ2AbMNjKR5skKQbpOpFE3oLr43A9ND..."
}
```

Places Endpoint

Returns the list of available bicycle rental places near to Saitama prefecture.

```
GET /api/v1/places
```

Header

Name	Value
Authorization	accessToken

Response

Name	Type	Description
results	Array	Place's collection
location	Object	Coordinate
lat	double	Latitude coordinate
lng	double	Longitude coordinate
id	String	Unique id
name	String	Place's name containing possibly japanese characters.

```
{
  "results": [
    {
      "location": {
        "lat": 35.70,
        "lng": 139.73
      },
      "id": "45cb0529842....",
      "name": "監獄レストラン"
    },
    ...
  ]
}
```

Payment Endpoint

Returns the list of available bicycle rental places near to Saitama prefecture.

POST /api/v1/rent

Header

Name	Value
Authorization	accessToken

Request

Name	Type	Description
number	String	16 chars credit card number
name	String	Owner's name
expiration	String	Expiration date in the following format: MM/YY
code	String	3 chars security code

```
{
  "number" : "1234123412341234",
  "name": "Hayao Miyazaki",
  "expiration": "11/20",
  "code": "754"
}
```

Response

Name	Type	Description
message	String	Success operation message.

```
{
```

```
"message": "..."  
}
```