

# EcoBikeRental API Backend

## Overview

- The Database Subsystem is the Basic Back-end Endpoints for doing several CRUD task on the EcoBikeRental PostgreSQL Database, and it sends the data to the main app through standard REST API.
- Authentication method for each request to secure API:
- We use HMAC Authentication with AWS Signature Style. So the header will need The **Authorization** part with following format: **Authorization = 'GROUP10' + publicKey + ':' + signature** The signature will be hashed as follow: **[signature] = Base64(HMAC-SHA-256(PrivateKey, StringToSign ))** with **StringToSign = HTTP-Verb + '{newlinechar}' + Content-MD5 + '{newlinechar}' + Content-Type + '{newlinechar}' + BaseRequestURI** Example 1: Request to **GET /bike/search** path will be: **StringToSign=GET{newlinechar}{newlinechar}{newlinechar}/bike/search** since GET request does not have any Request Body or Content-Type Example 2: Request to **POST /payment/create** path will be: **StringToSign=GET{newlinechar}{MD5-HashedRequestBody}{newlinechar}Application/json{newlinechar}/payment/create** since POST request has Request Body and Content-Type

## Version information

*Version : 1.0*

## URI scheme

*Host : lunar-bonus-297614.df.r.appspot.com*

*BasePath : /*

*Schemes : HTTPS, HTTP*

## Tags

- Bike Request
- Card Request
- DockStation Request
- Payment Request

## Consumes

- **application/json**

## Produces

- `application/json`

## Paths

### Lock bike by barcode

GET /bike/lock-bike

#### Parameters

Type	Name	Schema
Query	<b>barcode</b> <i>required</i>	integer (int32)

#### Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> <b>Date (string) : Default :</b> "Fri, 25 Dec 2020 17:52:52 GMT" <b>Vary (string) : Default :</b> "Accept-Encoding" <b>X-Powered-By (string) : Default :</b> "Express" <b>Access-Control-Allow-Origin (string) : Default :</b> "*" <b>Access-Control-Allow-Credentials (string) : Default :</b> "true" <b>ETag (string) : Default :</b> "W/\\"22-mhtw8w8GYTz20cH5Z0SJgXSh9Uo\\"" <b>Content-Encoding (string) : Default :</b> "gzip" <b>Via (string) : Default :</b> "1.1 google" <b>Alt-Svc (string) : Default :</b> "h3-29=\":443\"; ma=2592000,h3-T051=\":443\"; ma=2592000,h3-Q050=\":443\"; ma=2592000,h3-Q046=\":443\"; ma=2592000,h3-Q043=\":443\"; ma=2592000,quic=\":443\"; ma=2592000; v=\\"46,43\\"" <b>Transfer-Encoding (string) : Default :</b> "chunked"	<a href="#">Lockbikesuccess</a>
404	Not Found	<a href="#">SearchPaymentFailedwithwrongrentalcode</a>

#### Produces

- `application/json; charset=utf-8`

## Tags

- Bike Request

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "barcode" : "12344"
  }
}
```

### Response 404

```
{
  "success" : false,
  "error" : "wrong_barcode"
}
```

## Return Bike to Dock

POST /bike/return-to-dock

### Parameters

Type	Name	Schema
Body	Body <i>required</i>	<a href="#">ReturnBiketoDockRequest</a>

### Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 17:53:55 GMT" Vary (string) : <b>Default</b> : "Accept-Encoding" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/\\"26-udWS04F77DtaMB5Ui2UaVdw//J8\\"" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\":443\\"; ma=2592000,h3-T051=\":443\\"; ma=2592000,h3-Q050=\":443\\"; ma=2592000,h3-Q046=\":443\\"; ma=2592000,h3-Q043=\":443\\"; ma=2592000,quic=\":443\\"; ma=2592000; v=\\"46,43\\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	ReturnBiketoDock success
400	Bad Request	SearchPaymentFailedwithwrongrent alcode

## Produces

- application/json; charset=utf-8

## Tags

- Bike Request

## Example HTTP request

### Request body

```
{
  "dockId" : 1,
  "bikeId" : 99
}
```

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "bikeId" : 7,
    "dockId" : 1
  }
}
```

## Response 400

```
{
  "success" : false,
  "error" : "wrong_bike_id"
}
```

# Search for bike by barcode

GET /bike/search

## Parameters

Type	Name	Schema
Header	<b>Authorization</b> <i>required</i>	string
Header	<b>Timestamp</b> <i>required</i>	integer (int32)
Query	<b>barcode</b> <i>required</i>	integer (int32)

## Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 17:43:46 GMT" Vary (string) : <b>Default</b> : "Accept-Encoding" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/\\"d3-/92TU5fZvWRexDWQrHFZapxOiYM\\"" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\":443\\"; ma=2592000,h3-T051=\":443\\"; ma=2592000,h3-Q050=\":443\\"; ma=2592000,h3-Q046=\":443\\"; ma=2592000,h3-Q043=\":443\\"; ma=2592000,quic=\":443\\"; ma=2592000; v=\\"46,43\\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	SearchSuccess
404	Not Found	SearchPaymentFailedwithwrongrentalcode

## Produces

- application/json; charset=utf-8

## Tags

- Bike Request

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "bike" : {
      "id" : 7,
      "barcode" : "12344",
      "color" : "Blue",
      "category" : "Standardbike",
      "lockbike" : true,
      "dockId" : 1,
      "bikevalue" : 400000,
      "baserentamount" : 10000,
      "addrentamount" : 3000,
      "saddle" : 1,
      "pedal" : 1,
      "rear" : 1
    }
  }
}
```

#### Response 404

```
{
  "success" : false,
  "error" : "wrong_barcode"
}
```

## Unlock bike by barcode

GET /bike/unlock-bike

#### Parameters

Type	Name	Schema
Query	<b>barcode</b> <i>required</i>	integer (int32)

#### Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 17:52:09 GMT" Vary (string) : <b>Default</b> : "Accept-Encoding" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/\\"22-mhtw8w8GYTz20cH5Z0SJgXSh9Uo\\"" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\":443\\"; ma=2592000,h3-T051=\":443\\"; ma=2592000,h3-Q050=\":443\\"; ma=2592000,h3-Q046=\":443\\"; ma=2592000,h3-Q043=\":443\\"; ma=2592000,quic=\":443\\"; ma=2592000; v=\\"46,43\\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	UnlockbikeSuccess
404	Not Found	SearchPaymentFailedwithwrongrentalcode

## Produces

- application/json; charset=utf-8

## Tags

- Bike Request

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "barcode" : "12344"
  }
}
```

### Response 404



```
{
  "success" : false,
  "error" : "wrong_barcode"
}
```

## Lock card

GET /card/lock-card

### Parameters

Type	Name	Schema
Query	<b>cardId</b> <i>required</i>	integer (int32)

### Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 18:00:19 GMT" Vary (string) : <b>Default</b> : "Accept-Encoding" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/"1d-U4LY5XerabKlf04TVF0SrxNQtmQ"" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\":443\"; ma=2592000,h3-T051=\":443\"; ma=2592000,h3-Q050=\":443\"; ma=2592000,h3-Q046=\":443\"; ma=2592000,h3-Q043=\":443\"; ma=2592000,quic=\":443\"; ma=2592000; v=\"46,43\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	<a href="#">Lockcardsuccess</a>
404	Not Found	<a href="#">SearchPaymentFailedwithwrongrentalcode</a>

### Produces

- application/json; charset=utf-8

## Tags

- Card Request

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "cardId" : "5"
  }
}
```

### Response 404

```
{
  "success" : false,
  "error" : "wrong_cardId"
}
```

## Search or create card

POST /card/search-or-create

### Parameters

Type	Name	Schema
Body	<b>Body</b> <i>required</i>	<a href="#">SearchorcreatecardRequest</a>

### Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 18:00:57 GMT" Vary (string) : <b>Default</b> : "Accept-Encoding" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/\\"1b-1GIgEfIfm+Vz7a5ZtVsCM5tF5MY\\"" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\\":443\\"; ma=2592000,h3-T051=\\":443\\"; ma=2592000,h3-Q050=\\":443\\"; ma=2592000,h3-Q046=\\":443\\"; ma=2592000,h3-Q043=\\":443\\"; ma=2592000,quic=\\":443\\"; ma=2592000; v=\\\"46,43\\\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	<a href="#">Searchorcreatecardsuccess</a>

## Produces

- application/json; charset=utf-8

## Tags

- Card Request

## Example HTTP request

### Request body

```
{
  "cardCode" : "121319_group10_2020",
  "cardName" : "Group 10",
  "dateExpired" : "1125",
  "cvvCode" : "323"
}
```

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "cardId" : 5
  }
}
```

# Unlock card

GET /card/unlock-card

## Parameters

Type	Name	Schema
Query	<b>cardId</b> <i>required</i>	integer (int32)

## Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> <b>Date (string) : Default :</b> "Fri, 25 Dec 2020 17:59:32 GMT" <b>Vary (string) : Default :</b> "Accept-Encoding" <b>X-Powered-By (string) : Default :</b> "Express" <b>Access-Control-Allow-Origin (string) : Default :</b> "*" <b>Access-Control-Allow-Credentials (string) : Default :</b> "true" <b>ETag (string) : Default :</b> "W/\"1d-U4LY5XerabKlf04TVF0SrxNQtmQ\"" <b>Content-Encoding (string) : Default :</b> "gzip" <b>Via (string) : Default :</b> "1.1 google" <b>Alt-Svc (string) : Default :</b> "h3-29=\":443\\"; ma=2592000,h3-T051=\":443\\"; ma=2592000,h3-Q050=\":443\\"; ma=2592000,h3-Q046=\":443\\"; ma=2592000,h3-Q043=\":443\\"; ma=2592000,quic=\":443\\"; ma=2592000; v=\\\"46,43\\\"" <b>Transfer-Encoding (string) : Default :</b> "chunked"	<a href="#">Unlockcardsuccess</a>
404	Not Found	<a href="#">SearchPaymentFailedwithwrongrentalcode</a>

## Produces

- `application/json; charset=utf-8`

## Tags

- Card Request

## Example HTTP response

## Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "cardId" : "5"
  }
}
```

## Response 404

```
{
  "success" : false,
  "error" : "wrong_cardId"
}
```

# Check for card lock status

GET /check-locked

## Parameters

Type	Name	Schema
Query	<b>cardCode</b> <i>required</i>	integer (int32)

## Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 17:58:42 GMT" Vary (string) : <b>Default</b> : "Accept-Encoding" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/\\"1f-qPcbeWMuGgdbDrL/DAGqL4ezesA\\"" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\":443\"; ma=2592000,h3-T051=\":443\"; ma=2592000,h3-Q050=\":443\"; ma=2592000,h3-Q046=\":443\"; ma=2592000,h3-Q043=\":443\"; ma=2592000,quic=\":443\"; ma=2592000; v=\\"46,43\\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	<a href="#">Checkforcardlocks</a> <a href="#">tatus</a>

## Produces

- application/json; charset=utf-8

## Tags

- Card Request

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "isLock" : false
  }
}
```

## Get list dockstation

```
GET /dock/get-all
```

## Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 17:56:31 GMT" Vary (string) : <b>Default</b> : "Accept-Encoding" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/\\"3b4-1PBTfTUSXEA/7PadnnFx6WlQZJI\\"" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\":443\"; ma=2592000,h3-T051=\":443\"; ma=2592000,h3-Q050=\":443\"; ma=2592000,h3-Q046=\":443\"; ma=2592000,h3-Q043=\":443\"; ma=2592000,quic=\":443\"; ma=2592000; v=\\"46,43\\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	Getlistdockstation success

## Produces

- application/json; charset=utf-8

## Tags

- DockStation Request

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "docks" : [ {
      "id" : 1,
      "name" : "Thanh Xuân",
      "area" : "252x252",
      "size" : 30,
      "address" : "Hà Nội",
      "available" : "11"
    }, {
      "id" : 2,
      "name" : "Ba Vì",
      "area" : "252x252",
      "size" : 40,
      "address" : "Hà Nội",
      "available" : "9"
    }, {
      "id" : 3,
```

```

    "name" : "Qu n 1",
    "area" : "252x253",
    "size" : 50,
    "address" : "HCM",
    "available" : "8"
  }, {
    "id" : 4,
    "name" : "Qu n 2",
    "area" : "252x253",
    "size" : 50,
    "address" : "HCM",
    "available" : "10"
  }, {
    "id" : 5,
    "name" : "Qu n 3",
    "area" : "252x253",
    "size" : 50,
    "address" : "HCM",
    "available" : "0"
  }, {
    "id" : 6,
    "name" : "Đ ng Đa",
    "area" : "252x253",
    "size" : 50,
    "address" : "Hà N i",
    "available" : "0"
  }, {
    "id" : 7,
    "name" : "C u Gi y",
    "area" : "252x253",
    "size" : 50,
    "address" : "Hà N i",
    "available" : "0"
  }, {
    "id" : 8,
    "name" : "Hai Bà Tr ng",
    "area" : "252x253",
    "size" : 50,
    "address" : "Hà N i",
    "available" : "0"
  }, {
    "id" : 9,
    "name" : "Hà Đông",
    "area" : "252x253",
    "size" : 50,
    "address" : "Hà N i",
    "available" : "0"
  }, {
    "id" : 10,
    "name" : "Tây H ",
    "area" : "252x253",

```



```

    "size" : 50,
    "address" : "Hà Nội",
    "available" : "0"
  } ]
}
}

```

## Get list bike from a dockstation

GET /dock/get-detail

### Parameters

Type	Name	Schema
Query	<b>id</b> <i>required</i>	integer (int32)

### Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 17:55:57 GMT" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/\"87b-h1YmTMDbnxSRPh7e7U0YGs4RLzg\"" Vary (string) : <b>Default</b> : "Accept-Encoding" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\":443\"; ma=2592000,h3-T051=\":443\"; ma=2592000,h3-Q050=\":443\"; ma=2592000,h3-Q046=\":443\"; ma=2592000,h3-Q043=\":443\"; ma=2592000,quic=\":443\"; ma=2592000; v= \"46,43\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	Getdetailsuccess

### Produces

- application/json; charset=utf-8

### Tags

- DockStation Request

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "bikes" : [ {
      "id" : 3,
      "barcode" : "12345",
      "color" : "Yellow",
      "category" : "Ebike",
      "lockbike" : true,
      "bikevalue" : 700000,
      "baserentamount" : 15000,
      "addrentamount" : 4500,
      "saddle" : 1,
      "pedal" : 1,
      "rear" : 1,
      "battery" : 40
    }, {
      "id" : 5,
      "barcode" : "23456",
      "color" : "Blue",
      "category" : "Standardbike",
      "lockbike" : true,
      "bikevalue" : 400000,
      "baserentamount" : 10000,
      "addrentamount" : 3000,
      "saddle" : 1,
      "pedal" : 1,
      "rear" : 1
    }, {
      "id" : 7,
      "barcode" : "12344",
      "color" : "Blue",
      "category" : "Standardbike",
      "lockbike" : true,
      "bikevalue" : 400000,
      "baserentamount" : 10000,
      "addrentamount" : 3000,
      "saddle" : 1,
      "pedal" : 1,
      "rear" : 1
    }, {
      "id" : 8,
      "barcode" : "12343",
      "color" : "Blue",
      "category" : "Standardbike",
      "lockbike" : true,
```

```

    "bikevalue" : 400000,
    "baserentamount" : 10000,
    "addrentamount" : 3000,
    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1
  }, {
    "id" : 9,
    "barcode" : "12342",
    "color" : "Blue",
    "category" : "Standardbike",
    "lockbike" : false,
    "bikevalue" : 400000,
    "baserentamount" : 10000,
    "addrentamount" : 3000,
    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1
  }, {
    "id" : 10,
    "barcode" : "12341",
    "color" : "Blue",
    "category" : "Standardbike",
    "lockbike" : true,
    "bikevalue" : 400000,
    "baserentamount" : 10000,
    "addrentamount" : 3000,
    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1
  }, {
    "id" : 11,
    "barcode" : "12346",
    "color" : "Blue",
    "category" : "Standardbike",
    "lockbike" : true,
    "bikevalue" : 400000,
    "baserentamount" : 10000,
    "addrentamount" : 3000,
    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1
  }, {
    "id" : 12,
    "barcode" : "12347",
    "color" : "Blue",
    "category" : "Standardbike",
    "lockbike" : true,
    "bikevalue" : 400000,
    "baserentamount" : 10000,
    "addrentamount" : 3000,

```

```

    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1
  }, {
    "id" : 13,
    "barcode" : "12348",
    "color" : "Blue",
    "category" : "Standardbike",
    "lockbike" : true,
    "bikevalue" : 400000,
    "baserentamount" : 10000,
    "addrentamount" : 3000,
    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1
  }, {
    "id" : 14,
    "barcode" : "12367",
    "color" : "Blue",
    "category" : "Standardbike",
    "lockbike" : true,
    "bikevalue" : 400000,
    "baserentamount" : 10000,
    "addrentamount" : 3000,
    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1
  }, {
    "id" : 15,
    "barcode" : "56323",
    "color" : "Blue",
    "category" : "Standardbike",
    "lockbike" : true,
    "bikevalue" : 400000,
    "baserentamount" : 10000,
    "addrentamount" : 3000,
    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1
  }, {
    "id" : 20,
    "barcode" : "34583",
    "color" : "Red",
    "category" : "Ebike",
    "lockbike" : true,
    "bikevalue" : 700000,
    "baserentamount" : 15000,
    "addrentamount" : 4500,
    "saddle" : 1,
    "pedal" : 1,
    "rear" : 1,

```

```
    "battery" : 70
  } ]
}
```

## Create Payment

POST /payment/create

### Parameters

Type	Name	Schema
Header	<b>Authorization</b> <i>required</i>	string
Body	<b>Body</b> <i>required</i>	<a href="#">CreatePaymentRequest</a>

### Responses

HTTP Code	Description	Schema
201	<b>+ Headers :</b> <b>Date (string) : Default :</b> "Fri, 25 Dec 2020 17:57:37 GMT" <b>Content-Length (string) : Default :</b> "184" <b>X-Powered-By (string) : Default :</b> "Express" <b>Access-Control-Allow-Origin (string) : Default :</b> "*" <b>Access-Control-Allow-Credentials (string) : Default :</b> "true" <b>ETag (string) : Default :</b> "W/\"b8-M4m4FrFvgjBFRXAmlY5f1ohcAo8\"" <b>Vary (string) : Default :</b> "Accept-Encoding" <b>Via (string) : Default :</b> "1.1 google" <b>Alt-Svc (string) : Default :</b> "h3-29=\":443\"; ma=2592000,h3-T051=\":443\"; ma=2592000,h3-Q050=\":443\"; ma=2592000,h3-Q046=\":443\"; ma=2592000,h3-Q043=\":443\"; ma=2592000,quic=\":443\"; ma=2592000; v=\\\"46,43\\\"" 	<a href="#">CreatePaymentSuccess</a>

### Produces

- `application/json; charset=utf-8`

### Tags

- Payment Request

## Example HTTP request

### Request body

```
{
  "payment" : {
    "rentalCode" : "rentalCodelewlew",
    "depositAmount" : 200000,
    "startRentTime" : "2020-12-14 11:47:50",
    "endRentTime" : "2020-12-14 11:47:50",
    "bikeId" : 5,
    "status" : 1,
    "cardId" : 5
  }
}
```

## Example HTTP response

### Response 201

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "payment" : {
      "paymentId" : 48,
      "bikeId" : 5,
      "cardId" : 5,
      "rentalCode" : "rentalCodelewlew",
      "rentAmount" : 0,
      "depositAmount" : 200000,
      "startRentTime" : "2020-12-14 11:47:50",
      "status" : 1
    }
  }
}
```

## Search Payment

POST /payment/search

### Parameters

Type	Name	Schema
Body	Body <i>required</i>	<a href="#">SearchPaymentRequest</a>

## Responses

HTTP Code	Description	Schema
201	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 17:57:09 GMT" Content-Length (string) : <b>Default</b> : "53" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/\ "35-wX9w9ogMpc6Y2g5vr7aqoR8qx3o\ "" Vary (string) : <b>Default</b> : "Accept-Encoding" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\ ":443\ "; ma=2592000,h3-T051=\ ":443\ "; ma=2592000,h3-Q050=\ ":443\ "; ma=2592000,h3-Q046=\ ":443\ "; ma=2592000,h3-Q043=\ ":443\ "; ma=2592000,quic=\ ":443\ "; ma=2592000; v=\ "46,43\ ""	<a href="#">SearchPaymentFailedwithwrongrentalcode</a>

## Produces

- `application/json; charset=utf-8`

## Tags

- Payment Request

## Example HTTP request

### Request body

```
{
  "rentalCode" : "afaf"
}
```

## Example HTTP response

### Response 201

```
{
  "application/json; charset=utf-8" : {
    "success" : false,
    "error" : "cant_find_renting_payment"
  }
}
```

## Update Payment

POST /payment/update

### Parameters

Type	Name	Schema
Body	Body <i>required</i>	<a href="#">UpdatePaymentRequest</a>

### Responses

HTTP Code	Description	Schema
200	<b>+ Headers :</b> Date (string) : <b>Default</b> : "Fri, 25 Dec 2020 17:57:56 GMT" Vary (string) : <b>Default</b> : "Accept-Encoding" X-Powered-By (string) : <b>Default</b> : "Express" Access-Control-Allow-Origin (string) : <b>Default</b> : "*" Access-Control-Allow-Credentials (string) : <b>Default</b> : "true" ETag (string) : <b>Default</b> : "W/"4d-wQvVz3DgoTbqKqX4QxcGuaxvyBQ\""" Content-Encoding (string) : <b>Default</b> : "gzip" Via (string) : <b>Default</b> : "1.1 google" Alt-Svc (string) : <b>Default</b> : "h3-29=\":443\"; ma=2592000,h3-T051=\":443\"; ma=2592000,h3-Q050=\":443\"; ma=2592000,h3-Q046=\":443\"; ma=2592000,h3-Q043=\":443\"; ma=2592000,quic=\":443\"; ma=2592000; v=\\\"46,43\\\"" Transfer-Encoding (string) : <b>Default</b> : "chunked"	<a href="#">UpdatePaymentSuccess</a>
400	Bad Request	<a href="#">SearchPaymentFailedwithwrongrentalcode</a>

### Produces

- `application/json; charset=utf-8`



## Tags

- Payment Request

## Example HTTP request

### Request body

```
{
  "payment" : {
    "rentalCode" : "rentalCodehaf",
    "rentAmount" : 20000,
    "endRentTime" : "2020-12-14 11:47:50",
    "status" : 2
  }
}
```

## Example HTTP response

### Response 200

```
{
  "application/json; charset=utf-8" : {
    "success" : true,
    "rentalCode" : "rentalCodeaa",
    "status" : 2,
    "bikeId" : 5,
    "cardId" : 5
  }
}
```

### Response 400

```
{
  "success" : false,
  "error" : "wrong_rental_code"
}
```

## Definitions

### Bike

Name	Schema
<b>addrentamount</b> <i>required</i>	integer (int32)
<b>barcode</b> <i>required</i>	string
<b>baserentamount</b> <i>required</i>	integer (int32)
<b>bikevalue</b> <i>required</i>	integer (int32)
<b>category</b> <i>required</i>	string
<b>color</b> <i>required</i>	string
<b>dockId</b> <i>required</i>	integer (int32)
<b>id</b> <i>required</i>	integer (int32)
<b>lockbike</b> <i>required</i>	boolean
<b>pedal</b> <i>required</i>	integer (int32)
<b>rear</b> <i>required</i>	integer (int32)
<b>saddle</b> <i>required</i>	integer (int32)

## Bike1

Name	Schema
<b>addrentamount</b> <i>required</i>	integer (int32)

Name	Schema
<b>barcode</b> <i>required</i>	string
<b>baserentamount</b> <i>required</i>	integer (int32)
<b>battery</b> <i>optional</i>	integer (int32)
<b>bikevalue</b> <i>required</i>	integer (int32)
<b>category</b> <i>required</i>	string
<b>color</b> <i>required</i>	string
<b>id</b> <i>required</i>	integer (int32)
<b>lockbike</b> <i>required</i>	boolean
<b>pedal</b> <i>required</i>	integer (int32)
<b>rear</b> <i>required</i>	integer (int32)
<b>saddle</b> <i>required</i>	integer (int32)

## Checkforcardlockstatus

Name	Schema
<b>isLock</b> <i>required</i>	boolean
<b>success</b> <i>required</i>	boolean

## CreatePaymentRequest

Name	Schema
<b>payment</b> <i>required</i>	<a href="#">Payment</a>

## CreatePaymentSuccess

Name	Schema
<b>payment</b> <i>required</i>	<a href="#">Payment1</a>
<b>success</b> <i>required</i>	boolean

## Dock

Name	Schema
<b>address</b> <i>required</i>	string
<b>area</b> <i>required</i>	string
<b>available</b> <i>required</i>	string
<b>id</b> <i>required</i>	integer (int32)
<b>name</b> <i>required</i>	string
<b>size</b> <i>required</i>	integer (int32)

## Getdetailsuccess

Name	Schema
<b>bikes</b> <i>required</i>	< <a href="#">Bike1</a> > array
<b>success</b> <i>required</i>	boolean

## Getlistdockstationsuccess

Name	Schema
<b>docks</b> <i>required</i>	< <a href="#">Dock</a> > array
<b>success</b> <i>required</i>	boolean

## Lockbikesuccess

Name	Schema
<b>barcode</b> <i>required</i>	string
<b>success</b> <i>required</i>	boolean

## Lockcardsuccess

Name	Schema
<b>cardId</b> <i>required</i>	string
<b>success</b> <i>required</i>	boolean

## Payment

Name	Schema
<b>bikeId</b> <i>required</i>	integer (int32)

Name	Schema
<b>cardId</b> <i>required</i>	integer (int32)
<b>depositAmount</b> <i>required</i>	integer (int32)
<b>endRentTime</b> <i>required</i>	string
<b>rentalCode</b> <i>required</i>	string
<b>startRentTime</b> <i>required</i>	string
<b>status</b> <i>required</i>	integer (int32)

## Payment1

Name	Schema
<b>bikeId</b> <i>required</i>	integer (int32)
<b>cardId</b> <i>required</i>	integer (int32)
<b>depositAmount</b> <i>required</i>	integer (int32)
<b>paymentId</b> <i>required</i>	integer (int32)
<b>rentAmount</b> <i>required</i>	integer (int32)
<b>rentalCode</b> <i>required</i>	string
<b>startRentTime</b> <i>required</i>	string

Name	Schema
<b>status</b> <i>required</i>	integer (int32)

## Payment2

Name	Schema
<b>endRentTime</b> <i>required</i>	string
<b>rentAmount</b> <i>required</i>	integer (int32)
<b>rentalCode</b> <i>required</i>	string
<b>status</b> <i>required</i>	integer (int32)

## ReturnBiketoDockRequest

Name	Schema
<b>bikeId</b> <i>required</i>	integer (int32)
<b>dockId</b> <i>required</i>	integer (int32)

## ReturnBiketoDocksucces

Name	Schema
<b>bikeId</b> <i>required</i>	integer (int32)
<b>dockId</b> <i>required</i>	integer (int32)
<b>success</b> <i>required</i>	boolean

## SearchPaymentFailedwithwrongrentalcode

Name	Schema
<b>error</b> <i>required</i>	string
<b>success</b> <i>required</i>	boolean

## SearchPaymentRequest

Name	Schema
<b>rentalCode</b> <i>required</i>	string

## SearchSuccess

Name	Schema
<b>bike</b> <i>required</i>	<a href="#">Bike</a>
<b>success</b> <i>required</i>	boolean

## SearchorcreatecardRequest

Name	Schema
<b>cardCode</b> <i>required</i>	string
<b>cardName</b> <i>required</i>	string
<b>cvvCode</b> <i>required</i>	string
<b>dateExpired</b> <i>required</i>	string



## Searchorcreatecardsuccess

Name	Schema
<b>cardId</b> <i>required</i>	integer (int32)
<b>success</b> <i>required</i>	boolean

## UnlockbikeSuccess

Name	Schema
<b>barcode</b> <i>required</i>	string
<b>success</b> <i>required</i>	boolean

## Unlockcardsuccess

Name	Schema
<b>cardId</b> <i>required</i>	string
<b>success</b> <i>required</i>	boolean

## UpdatePaymentRequest

Name	Schema
<b>payment</b> <i>required</i>	<a href="#">Payment2</a>

## UpdatePaymentSuccess

Name	Schema
<b>bikeId</b> <i>required</i>	integer (int32)

Name	Schema
<b>cardId</b> <i>required</i>	integer (int32)
<b>rentalCode</b> <i>required</i>	string
<b>status</b> <i>required</i>	integer (int32)
<b>success</b> <i>required</i>	boolean