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Card

ℹ The cards resource provides the entry point to add new card and get existing cards.

Accessing the card resource

version 1 (v1)

How to get existing cards

Request

```
GET /api/v1/cards HTTP/1.1
Content-Type: application/json
Accept-Encoding: gzip
Host: localhost:8080
```

Response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 462

[ {
  "id" : "1234",
  "name" : "Rahul Kumar",
  "number" : "4716651077977392",
  "limit" : "1000",
  "balance" : 10.0,
  "brand" : "VISA"
}, {
  "id" : "5ff2c44ed6e65d6460c35440",
  "name" : "Rahul Kumar",
  "number" : "4716651077977392",
  "limit" : "1000",
  "balance" : 10.0,
  "brand" : "VISA"
}, {
  "id" : "5ff2c44fd6e65d6460c35441",
  "name" : "Rahul Kumar",
  "number" : "4716651077977392",
  "limit" : "1000",
  "balance" : 10.0,
  "brand" : "VISA"
} ]
```

Response Fields

Path	Type	Description
[].id	String	Credit card unique ID.
[].name	String	Name of credit card Holder
[].number	String	Credit card Number
[].balance	Number	Available credit card Balance
[].limit	String	Total limit of credit card
[].brand	String	Brand of credit card ex. VISA

Add credit card

> ⓘ When the request is completed successfully, the service return a 201 http status code, If given inputs are not valid then service will return 422 http status .

Request Fields

Path	Type	Description
id	String	Credit card unique ID.
name	String	Name of credit card Holder
number	String	Credit card Number
limit	String	Total limit of credit card
brand	String	Brand of credit card ex. VISA
balance	Number	Available credit card Balance

Request

```
POST /api/v1/cards HTTP/1.1
Content-Type: application/json
Accept-Encoding: gzip
Content-Length: 138
Host: localhost:8080

{
  "id" : "1234",
  "name" : "Rahul Kumar",
  "number" : "4716651077977392",
  "limit" : "1000",
  "balance" : 10.0,
  "brand" : "VISA"
}
```

Response

```
HTTP/1.1 201 Created
```

Card data validation exception. This occurs with invalid card parameters

Request

```
POST /api/v1/cards HTTP/1.1
Content-Type: application/json
Accept-Encoding: gzip
Content-Length: 108
Host: localhost:8080

{
  "id" : null,
  "name" : null,
  "number" : null,
  "limit" : null,
  "balance" : 0.0,
  "brand" : null
}
```

Response

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 597

{
  "code" : "176cc4ed543",
  "exception" : "InvalidRequestException",
  "message" : "Invalid Card",
  "errors" : [ {
    "code" : "CardNumber",
    "message" : "invalid credit card number",
    "parameter" : "number"
  }, {
    "code" : "NotNull",
    "message" : "must not be null",
    "parameter" : "number"
  }, {
    "code" : "NotNull",
    "message" : "must not be null",
    "parameter" : "name"
  }, {
    "code" : "NotNull",
    "message" : "must not be null",
    "parameter" : "limit"
  }, {
    "code" : "NotNull",
    "message" : "must not be null",
    "parameter" : "brand"
  } ]
}
```