

# REST Notes API Guide

## HTTP verbs

Speakers Service tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP verbs.

Verb	Usage
GET	Used to retrieve a resource
POST	Used to create a new resource
PUT	Used to update an existing resource, full updates only
DELETE	Used to delete an existing resource

## HTTP status codes

Speakers Service tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP status codes.

Status code	Usage
200 OK	Standard response for successful HTTP requests. The actual response will depend on the request method used. In a GET request, the response will contain an entity corresponding to the requested resource. In a POST request, the response will contain an entity describing or containing the result of the action.
201 Created	The request has been fulfilled and resulted in a new resource being created.
204 No Content	The server successfully processed the request, but is not returning any content.
400 Bad Request	The server cannot or will not process the request due to something that is perceived to be a client error (e.g., malformed request syntax, invalid request message framing, or deceptive request routing).
403 Bad Request	The client does not have access rights to the content; that is, it is unauthorized, so the server is refusing to give the requested resource.
404 Not Found	The requested resource could not be found but may be available again in the future. Subsequent requests by the client are permissible.

Status code	Usage
409 Conflict	The request could not be completed due to a conflict with the current state of the target resource.
422 Unprocessable Entity	Validation error has happened due to processing the posted entity.

## Restaurant



All POST request is allowed for only users with Admin role.

### Create

#### Curl

```
$ curl 'http://localhost:8080/api/restaurants/' -i -u 'admin@gmail.com:admin' -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "name" : "New McDonalds"
  }'
```

#### HTTP Request

```
POST /api/restaurants/ HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 32
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "name" : "New McDonalds"
}
```

#### HTTP Response

##### Success HTTP responses

```
HTTP/1.1 201 Created
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 47

{
  "id" : 200,
  "name" : "New McDonalds"
}
```

## Create Not Valid Id

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/' -i -u 'admin@gmail.com:admin' -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "id" : 103,
    "name" : "New McDonalds"
  }'
```

### HTTP Request

```
POST /api/restaurants/ HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 47
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "id" : 103,
  "name" : "New McDonalds"
}
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 150
```

```
{
  "url" : "/api/restaurants/",
  "type" : "VALIDATION_ERROR",
  "typeMessage" : "Validation error",
  "details" : [ "must be new (id=null)" ]
}
```

## Create Not Valid Name

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/' -i -u 'admin@gmail.com:admin' -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "id" : 103,
    "name" : ""
  }'
```

### HTTP Request

```
POST /api/restaurants/ HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 34
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

```
{
  "id" : 103,
  "name" : ""
}
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 151
```

```
{
  "url" : "/api/restaurants/",
  "type" : "VALIDATION_ERROR",
  "typeMessage" : "Validation error",
  "details" : [ "name must not be empty" ]
}
```

## Create With Bad Syntax

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/' -i -u 'admin@gmail.com:admin' -X POST \
-H 'Content-Type: application/json;charset=UTF-8' \
-d '{ "id": 1,"name": "",>[]}'
```

### HTTP Request

```
POST /api/restaurants/ HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 25
Authorization: Basic YWRtaW5AZ21haWwY29tOmFkbWlu
Host: localhost:8080

{ "id": 1,"name": "",>[]}
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 400 Bad Request
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 225

{
  "url" : "/api/restaurants/",
  "type" : "WRONG_REQUEST",
  "typeMessage" : "Wrong request",
  "details" : [ "JSON parse error: Unexpected character (' ' (code 93)): was expecting
double-quote to start field name" ]
}
```



All Get request is allowed for users with Admin and User roles.

## Get by Id

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103' -i -u 'admin@gmail.com:admin' -X
GET
```

### HTTP Request

```
GET /api/restaurants/103 HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 43
```

```
{
  "id" : 103,
  "name" : "McDonalds"
}
```

## Get by Name

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/byName?name=king' -i -u
'admin@gmail.com:admin' -X GET
```

### HTTP Request

```
GET /api/restaurants/byName?name=king HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwY29tOmFkbWlu
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 153

{
  "content" : [ {
    "id" : 104,
    "name" : "Burger King"
  } ],
  "size" : 20,
  "totalElements" : 1,
  "totalPages" : 1,
  "number" : 0
}
```

## Get All

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/' -i -u 'admin@gmail.com:admin' -X GET
```

### HTTP Request

```
GET /api/restaurants/ HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses



```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 204

{
  "content" : [ {
    "id" : 103,
    "name" : "McDonalds"
  }, {
    "id" : 104,
    "name" : "Burger King"
  } ],
  "size" : 20,
  "totalElements" : 2,
  "totalPages" : 1,
  "number" : 0
}
```

## Get by Id Not Found

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/1000' -i -u 'user1@gmail.com:password'
-X GET
```

### HTTP Request

```
GET /api/restaurants/1000 HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 158
```

```
{
  "url" : "/api/restaurants/1000",
  "type" : "DATA_NOT_FOUND",
  "typeMessage" : "Data not found",
  "details" : [ "Not found entity with id=1000" ]
}
```



All PUT request is allowed for only users with Admin role.

## Update

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103' -i -u 'admin@gmail.com:admin' -X
PUT \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "id" : 103,
    "name" : "New McDonalds"
  }'
```

### HTTP Request

```
PUT /api/restaurants/103 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 47
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "id" : 103,
  "name" : "New McDonalds"
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 204 No Content
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Update with Id Not Found

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/1000' -i -u 'admin@gmail.com:admin' -X
PUT \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "id" : 1000,
    "name" : "New McDonalds"
  }'
```

### HTTP Request

```
PUT /api/restaurants/1000 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 48
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "id" : 1000,
  "name" : "New McDonalds"
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 158
```

```
{
  "url" : "/api/restaurants/1000",
  "type" : "DATA_NOT_FOUND",
  "typeMessage" : "Data not found",
  "details" : [ "Not found entity with id=1000" ]
}
```

## Update not Valid Id

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103' -i -u 'admin@gmail.com:admin' -X
PUT \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "id" : 1,
    "name" : "New McDonalds"
  }'
```

### HTTP Request

```
PUT /api/restaurants/103 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 45
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "id" : 1,
  "name" : "New McDonalds"
}
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 152
```

```
{
  "url" : "/api/restaurants/103",
  "type" : "VALIDATION_ERROR",
  "typeMessage" : "Validation error",
  "details" : [ " must be with id=103" ]
}
```

## Update not Valid Name

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103' -i -u 'admin@gmail.com:admin' -X
PUT \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "id" : 103,
    "name" : ""
  }'
```

### HTTP Request

```
PUT /api/restaurants/103 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 34
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "id" : 103,
  "name" : ""
}
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 154

{
  "url" : "/api/restaurants/103",
  "type" : "VALIDATION_ERROR",
  "typeMessage" : "Validation error",
  "details" : [ "name must not be empty" ]
}
```



All DELETE request is allowed for only users with Admin role.

## Delete

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103' -i -u 'admin@gmail.com:admin' -X DELETE
```

### HTTP Request

```
DELETE /api/restaurants/103 HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 204 No Content
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Delete Not Found

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/1000' -i -u 'admin@gmail.com:admin' -X DELETE
```

### HTTP Request

```
DELETE /api/restaurants/1000 HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 158

{
  "url" : "/api/restaurants/1000",
  "type" : "DATA_NOT_FOUND",
  "typeMessage" : "Data not found",
  "details" : [ "Not found entity with id=1000" ]
}
```

## Delete Forbidden

Users with User role.

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103' -i -u 'user2@gmail.com:password' -X DELETE
```

## HTTP Request

```
DELETE /api/restaurants/103 HTTP/1.1
Authorization: Basic dXNlcjJAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 403 Forbidden
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Menu



All POST request is allowed for only users with Admin role.

## Create

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103/menus' -i -u 'admin@gmail.com:admin'
-X POST \
  -H 'Content-Type: application/json; charset=UTF-8' \
  -d '{ }'
```

## HTTP Request

```
POST /api/restaurants/103/menus HTTP/1.1
Content-Type: application/json; charset=UTF-8
Content-Length: 3
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{ }
```

## HTTP Response



## Success HTTP responses

```
HTTP/1.1 201 Created
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 138
```

```
{
  "id" : 200,
  "actionDate" : "2020-08-03",
  "restaurant" : {
    "id" : 103,
    "name" : "McDonalds"
  },
  "dishes" : [ ]
}
```

## Create else Not Found Restaurant

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/1000/menus' -i -u
'admin@gmail.com:admin' -X POST \
-H 'Content-Type: application/json;charset=UTF-8' \
-d '{ }'
```

### HTTP Request

```
POST /api/restaurants/1000/menus HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 3
Authorization: Basic YWRtaW5AZ21haWwY29tOmFkbWlu
Host: localhost:8080

{ }
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 164
```

```
{
  "url" : "/api/restaurants/1000/menus",
  "type" : "DATA_NOT_FOUND",
  "typeMessage" : "Data not found",
  "details" : [ "Not found entity with id=1000" ]
}
```

## Create Already Existed

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103/menus' -i -u 'admin@gmail.com:admin'
-X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{ }'
```

### HTTP Request

```
POST /api/restaurants/103/menus HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 3
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{ }
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 409 Conflict
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 150

{
  "url" : "/api/restaurants/103/menus",
  "type" : "UNIQUE_ERROR",
  "typeMessage" : "Unique error",
  "details" : [ "menu already existed" ]
}
```

## Create Forbidden

### Curl

```
$ curl 'http://localhost:8080/api/restaurants/103/menus' -i -u
'user1@gmail.com:password' -X POST
```

### HTTP Request

```
POST /api/restaurants/103/menus HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 403 Forbidden
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```



All Get request is allowed for users with Admin and User roles.

## Get by Id

### Curl

```
$ curl 'http://localhost:8080/api/menus/107' -i -u 'admin@gmail.com:admin' -X GET
```

### HTTP Request

```
GET /api/menus/107 HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 313

{
  "id" : 107,
  "actionDate" : "2020-08-02",
  "restaurant" : {
    "id" : 103,
    "name" : "McDonalds"
  },
  "dishes" : [ {
    "id" : 113,
    "name" : "Гамбургер",
    "price" : 1.14
  }, {
    "id" : 114,
    "name" : "Ролл з креветками",
    "price" : 1.64
  } ]
}
```

## Get by Date

## Curl

```
$ curl 'http://localhost:8080/api/menus/byDate?date=2020-08-02' -i -u  
'admin@gmail.com:admin' -X GET
```

## HTTP Request

```
GET /api/menus/byDate?date=2020-08-02 HTTP/1.1  
Authorization: Basic YWRtaW5AZ21haWwY29tOmFkbWlu  
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

HTTP/1.1 200 OK  
Content-Type: application/json;charset=UTF-8  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Length: 782

```
{
  "content" : [ {
    "id" : 107,
    "actionDate" : "2020-08-02",
    "restaurant" : {
      "id" : 103,
      "name" : "McDonalds"
    },
    "dishes" : [ {
      "id" : 113,
      "name" : "Гамбургер",
      "price" : 1.14
    }, {
      "id" : 114,
      "name" : "Ролл з креветками",
      "price" : 1.64
    } ]
  }, {
    "id" : 108,
    "actionDate" : "2020-08-02",
    "restaurant" : {
      "id" : 104,
      "name" : "Burger King"
    },
    "dishes" : [ {
      "id" : 115,
      "name" : "Роял Фреш",
      "price" : 1.24
    }, {
      "id" : 116,
      "name" : "Чикен Ролл",
      "price" : 1.77
    } ]
  } ],
  "size" : 20,
  "totalElements" : 2,
  "totalPages" : 1,
  "number" : 0
}
```

## Get All

### Curl

```
$ curl 'http://localhost:8080/api/menus/' -i -u 'admin@gmail.com:admin' -X GET
```

### HTTP Request

```
GET /api/menus/ HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 1464
```

```
{
  "content" : [ {
    "id" : 105,
    "actionDate" : "2020-08-01",
    "restaurant" : {
      "id" : 103,
      "name" : "McDonalds"
    },
    "dishes" : [ {
      "id" : 109,
      "name" : "Гамбургер",
      "price" : 1.04
    }, {
      "id" : 110,
      "name" : "Ролл з креветками",
      "price" : 1.54
    } ]
  }, {
    "id" : 106,
    "actionDate" : "2020-08-01",
    "restaurant" : {
      "id" : 104,
```

```

    "name" : "Burger King"
  },
  "dishes" : [ {
    "id" : 111,
    "name" : "Роял Фреш",
    "price" : 1.14
  }, {
    "id" : 112,
    "name" : "Чикен Ролл",
    "price" : 1.87
  } ]
}, {
  "id" : 107,
  "actionDate" : "2020-08-02",
  "restaurant" : {
    "id" : 103,
    "name" : "McDonalds"
  },
  "dishes" : [ {
    "id" : 113,
    "name" : "Гамбургер",
    "price" : 1.14
  }, {
    "id" : 114,
    "name" : "Ролл з креветками",
    "price" : 1.64
  } ]
}, {
  "id" : 108,
  "actionDate" : "2020-08-02",
  "restaurant" : {
    "id" : 104,
    "name" : "Burger King"
  },
  "dishes" : [ {
    "id" : 115,
    "name" : "Роял Фреш",
    "price" : 1.24
  }, {
    "id" : 116,
    "name" : "Чикен Ролл",
    "price" : 1.77
  } ]
} ],
"size" : 20,
"totalElements" : 4,
"totalPages" : 1,
"number" : 0
}

```



## Get by Id Not Found

### Curl

```
$ curl 'http://localhost:8080/api/menus/1000' -i -u 'user1@gmail.com:password' -X GET
```

### HTTP Request

```
GET /api/menus/1000 HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 152

{
  "url" : "/api/menus/1000",
  "type" : "DATA_NOT_FOUND",
  "typeMessage" : "Data not found",
  "details" : [ "Not found entity with id=1000" ]
}
```



All DELETE request is allowed for only users with Admin role.

## Delete

### Curl

```
$ curl 'http://localhost:8080/api/menus/107' -i -u 'admin@gmail.com:admin' -X DELETE
```

### HTTP Request

```
DELETE /api/menus/107 HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 204 No Content
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Delete else Date is not Tomorrow

### Curl

```
$ curl 'http://localhost:8080/api/menus/107' -i -u 'admin@gmail.com:admin' -X DELETE
```

## HTTP Request

```
DELETE /api/menus/107 HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 153

{
  "url" : "/api/menus/107",
  "type" : "EXPIRED_DATE",
  "typeMessage" : "Expired date",
  "details" : [ "Expired date for entity with id=107" ]
}
```

## Delete Forbidden

Users with User role.

### Curl

```
$ curl 'http://localhost:8080/api/menus/107' -i -u 'user1@gmail.com:password' -X DELETE
```

### HTTP Request

```
DELETE /api/menus/107 HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 403 Forbidden
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

# Dish



All POST request is allowed for only users with Admin role.

## Create if Date Menu of Tomorrow

### Curl

```
$ curl 'http://localhost:8080/api/menus/107/dishes' -i -u 'admin@gmail.com:admin' -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "name" : "Kofe",
    "price" : 1.04
  }'
```

### HTTP Request

```
POST /api/menus/107/dishes HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 46
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "name" : "Kofe",
  "price" : 1.04
}
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 201 Created
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 131

{
  "id" : 200,
  "name" : "Kofe",
  "price" : 1.04,
  "menu" : {
    "id" : 107,
    "actionDate" : "2020-08-02"
  }
}
```

## Create if Date Menu of Not Tomorrow

### Curl

```
$ curl 'http://localhost:8080/api/menus/107/dishes' -i -u 'admin@gmail.com:admin' -X
POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "name" : "Kofe",
    "price" : 1.04
  }'
```

### HTTP Request

```
POST /api/menus/107/dishes HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 46
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "name" : "Kofe",
  "price" : 1.04
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 160

{
  "url" : "/api/menus/107/dishes",
  "type" : "EXPIRED_DATE",
  "typeMessage" : "Expired date",
  "details" : [ "Expired date for entity with id=107" ]
}
```

## Create if Menu Not Found

### Curl

```
$ curl 'http://localhost:8080/api/menus/1000/dishes' -i -u 'admin@gmail.com:admin' -X
POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "name" : "Kofe",
    "price" : 1.04
  }'
```

### HTTP Request

```
POST /api/menus/1000/dishes HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 46
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080

{
  "name" : "Kofe",
  "price" : 1.04
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 159

{
  "url" : "/api/menus/1000/dishes",
  "type" : "DATA_NOT_FOUND",
  "typeMessage" : "Data not found",
  "details" : [ "Not found entity with id=1000" ]
}
```



All Get request is allowed for users with Admin and User roles.

## Get by Id

### Curl

```
$ curl 'http://localhost:8080/api/dishes/114' -i -u 'user1@gmail.com:password' -X GET
```

## HTTP Request

```
GET /api/dishes/114 HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 155

{
  "id" : 114,
  "name" : "Ролл з креветками",
  "price" : 1.64,
  "menu" : {
    "id" : 107,
    "actionDate" : "2020-08-02"
  }
}
```

## Get by Date

### Curl

```
$ curl 'http://localhost:8080/api/dishes/byDate?date=2020-08-01' -i -u
'user1@gmail.com:password' -X GET
```

### HTTP Request

```
GET /api/dishes/byDate?date=2020-08-01 HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses



HTTP/1.1 200 OK  
Content-Type: application/json;charset=UTF-8  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Length: 750

```
{
  "content" : [ {
    "id" : 109,
    "name" : "Гамбургер",
    "price" : 1.04,
    "menu" : {
      "id" : 105,
      "actionDate" : "2020-08-01"
    }
  }, {
    "id" : 110,
    "name" : "Ролл з креветками",
    "price" : 1.54,
    "menu" : {
      "id" : 105,
      "actionDate" : "2020-08-01"
    }
  }, {
    "id" : 111,
    "name" : "Роял Фреш",
    "price" : 1.14,
    "menu" : {
      "id" : 106,
      "actionDate" : "2020-08-01"
    }
  }, {
    "id" : 112,
    "name" : "Чикен Ролл",
    "price" : 1.87,
    "menu" : {
      "id" : 106,
      "actionDate" : "2020-08-01"
    }
  } ],
  "size" : 20,
  "totalElements" : 4,
  "totalPages" : 1,
  "number" : 0
}
```

## Get by Name

### Curl

```
$ curl 'http://localhost:8080/api/dishes/byName?name=%D1%80%D0%BE%D0%9B' -i -u  
'admin@gmail.com:admin' -X GET
```

### HTTP Request

```
GET /api/dishes/byName?name=%D1%80%D0%BE%D0%9B HTTP/1.1  
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu  
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

HTTP/1.1 200 OK  
Content-Type: application/json;charset=UTF-8  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Length: 766

```
{
  "content" : [ {
    "id" : 110,
    "name" : "Ролл з креветками",
    "price" : 1.54,
    "menu" : {
      "id" : 105,
      "actionDate" : "2020-08-01"
    }
  }, {
    "id" : 112,
    "name" : "Чикен Ролл",
    "price" : 1.87,
    "menu" : {
      "id" : 106,
      "actionDate" : "2020-08-01"
    }
  }, {
    "id" : 114,
    "name" : "Ролл з креветками",
    "price" : 1.64,
    "menu" : {
      "id" : 107,
      "actionDate" : "2020-08-02"
    }
  }, {
    "id" : 116,
    "name" : "Чикен Ролл",
    "price" : 1.77,
    "menu" : {
      "id" : 108,
      "actionDate" : "2020-08-02"
    }
  } ],
  "size" : 20,
  "totalElements" : 4,
  "totalPages" : 1,
  "number" : 0
}
```

## Get All

### Curl

```
$ curl 'http://localhost:8080/api/dishes/' -i -u 'admin@gmail.com:admin' -X GET
```

### HTTP Request

```
GET /api/dishes/ HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwY29tOmFkbWlu
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 1400
```

```
{
  "content" : [ {
    "id" : 109,
    "name" : "Гамбургер",
    "price" : 1.04,
    "menu" : {
      "id" : 105,
      "actionDate" : "2020-08-01"
    }
  }, {
    "id" : 110,
    "name" : "Ролл з креветками",
    "price" : 1.54,
    "menu" : {
      "id" : 105,
      "actionDate" : "2020-08-01"
    }
  }, {
    "id" : 111,
    "name" : "Роял Фреш",
    "price" : 1.14,
    "menu" : {
```

```

        "id" : 106,
        "actionDate" : "2020-08-01"
    }, {
        "id" : 112,
        "name" : "Чикен Ролл",
        "price" : 1.87,
        "menu" : {
            "id" : 106,
            "actionDate" : "2020-08-01"
        }
    }, {
        "id" : 113,
        "name" : "Гамбургер",
        "price" : 1.14,
        "menu" : {
            "id" : 107,
            "actionDate" : "2020-08-02"
        }
    }, {
        "id" : 114,
        "name" : "Ролл з креветками",
        "price" : 1.64,
        "menu" : {
            "id" : 107,
            "actionDate" : "2020-08-02"
        }
    }, {
        "id" : 115,
        "name" : "Роял Фреш",
        "price" : 1.24,
        "menu" : {
            "id" : 108,
            "actionDate" : "2020-08-02"
        }
    }, {
        "id" : 116,
        "name" : "Чикен Ролл",
        "price" : 1.77,
        "menu" : {
            "id" : 108,
            "actionDate" : "2020-08-02"
        }
    } ],
    "size" : 20,
    "totalElements" : 8,
    "totalPages" : 1,
    "number" : 0
}

```

## Get by Id Not Found

### Curl

```
$ curl 'http://localhost:8080/api/dishes/1000' -i -u 'user1@gmail.com:password' -X GET
```

### HTTP Request

```
GET /api/dishes/1000 HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 153

{
  "url" : "/api/dishes/1000",
  "type" : "DATA_NOT_FOUND",
  "typeMessage" : "Data not found",
  "details" : [ "Not found entity with id=1000" ]
}
```



All PUT request is allowed for only users with Admin role.

## Update if Date Menu of Tomorrow

### Curl

```
$ curl 'http://localhost:8080/api/dishes/114' -i -u 'admin@gmail.com:admin' -X PUT \
-H 'Content-Type: application/json;charset=UTF-8' \
-d '{
  "name" : "Kofe",
  "price" : 1.04
}'
```

## HTTP Request

```
PUT /api/dishes/114 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 46
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

```
{
  "name" : "Кофе",
  "price" : 1.04
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 204 No Content
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Update if Date Menu of Not Tomorrow

### Curl

```
$ curl 'http://localhost:8080/api/dishes/114' -i -u 'admin@gmail.com:admin' -X PUT \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "name" : "Кофе",
    "price" : 1.04
  }'
```

## HTTP Request

```
PUT /api/dishes/114 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 46
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

```
{
  "name" : "Кофе",
  "price" : 1.04
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 154

{
  "url" : "/api/dishes/114",
  "type" : "EXPIRED_DATE",
  "typeMessage" : "Expired date",
  "details" : [ "Expired date for entity with id=114" ]
}
```



All DELETE request is allowed for only users with Admin role.

## Delete if Date Menu of Tomorrow

### Curl

```
$ curl 'http://localhost:8080/api/dishes/114' -i -u 'admin@gmail.com:admin' -X DELETE
```

### HTTP Request

```
DELETE /api/dishes/114 HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```



## HTTP Response

### Success HTTP responses

```
HTTP/1.1 204 No Content
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Delete if Date Menu of Not Tomorrow

### Curl

```
$ curl 'http://localhost:8080/api/dishes/114' -i -u 'admin@gmail.com:admin' -X DELETE
```

### HTTP Request

```
DELETE /api/dishes/114 HTTP/1.1
Authorization: Basic YWRtaW5AZ21haWwuY29tOmFkbWlu
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 154

{
  "url" : "/api/dishes/114",
  "type" : "EXPIRED_DATE",
  "typeMessage" : "Expired date",
  "details" : [ "Expired date for entity with id=114" ]
}
```

## Delete Forbidden

Users with User role.

### Curl

```
$ curl 'http://localhost:8080/api/dishes/114' -i -u 'user2@gmail.com:password' -X DELETE
```

### HTTP Request

```
DELETE /api/dishes/114 HTTP/1.1
Authorization: Basic dXNlcjJAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 403 Forbidden
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Account

### Register



For user not authenticated

### Curl

```
$ curl 'http://localhost:8080/api/account/register' -i -X POST \
  -H 'Content-Type: application/json; charset=UTF-8' \
  -d '{
    "email" : "newUser@gmail.com",
    "password" : "password"
  }'
```

## HTTP Request

```
POST /api/account/register HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 65
Host: localhost:8080

{
  "email" : "newUser@gmail.com",
  "password" : "password"
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 201 Created
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 118

{
  "id" : 200,
  "email" : "newUser@gmail.com",
  "registered" : "18-09-2020 10:41:26",
  "roles" : [ "USER" ]
}
```

## Register with Not Valid Entity

### Curl

```
$ curl 'http://localhost:8080/api/account/register' -i -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "email" : "newU@ser@gmail.com",
    "password" : "password"
  }'
```

## HTTP Request

```
POST /api/account/register HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 66
Host: localhost:8080
```

```
{
  "email" : "newU@ser@gmail.com",
  "password" : "password"
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 174
```

```
{
  "url" : "/api/account/register",
  "type" : "VALIDATION_ERROR",
  "typeMessage" : "Validation error",
  "details" : [ "email must be a well-formed email address" ]
}
```

## Register With Duplicate Email

### Curl

```
$ curl 'http://localhost:8080/api/account/register' -i -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "email" : "user1@gmail.com",
    "password" : "password"
  }'
```

## HTTP Request

```
POST /api/account/register HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 63
Host: localhost:8080
```

```
{
  "email" : "user1@gmail.com",
  "password" : "password"
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 409 Conflict
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 146
```

```
{
  "url" : "/api/account/register",
  "type" : "UNIQUE_ERROR",
  "typeMessage" : "Unique error",
  "details" : [ "email already existed" ]
}
```

## Get Current Authentication User

### Curl

```
$ curl 'http://localhost:8080/api/account/' -i -u 'user1@gmail.com:password' -X GET
```

### HTTP Request

```
GET /api/account/ HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 116

{
  "id" : 101,
  "email" : "user1@gmail.com",
  "registered" : "18-09-2020 10:41:27",
  "roles" : [ "USER" ]
}
```

## Update



Only current user

### Curl

```
$ curl 'http://localhost:8080/api/account/' -i -u 'user1@gmail.com:password' -X PUT \
-H 'Content-Type: application/json;charset=UTF-8' \
-d '{
  "email" : "newUser@gmail.com",
  "password" : "password"
}'
```

## HTTP Request

```
PUT /api/account/ HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 65
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080

{
  "email" : "newUser@gmail.com",
  "password" : "password"
}
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 204 No Content
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Delete



Only current user

### Curl

```
$ curl 'http://localhost:8080/api/account/' -i -u 'user2@gmail.com:password' -X GET
```

## HTTP Request

```
GET /api/account/ HTTP/1.1
Authorization: Basic dXNlcjJAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 401 Unauthorized
WWW-Authenticate: Basic realm="Realm"
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Vote



For Update used POST method



All POST request is allowed for users with Admin and User roles.

## Create

### Curl

```
$ curl 'http://localhost:8080/api/menus/108/votes' -i -u 'user2@gmail.com:password' -X POST
```

### HTTP Request

```
POST /api/menus/108/votes HTTP/1.1
Authorization: Basic dXNlcjJAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 201 Created
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 185

{
  "id" : 200,
  "date" : "2020-08-02",
  "restaurant" : {
    "id" : 104,
    "name" : "Burger King"
  },
  "menu" : {
    "id" : 108,
    "actionDate" : "2020-08-02"
  }
}
```

## Create After Expired Date

### Curl



```
$ curl 'http://localhost:8080/api/menus/108/votes' -i -u 'user1@gmail.com:password' -X POST
```

## HTTP Request

```
POST /api/menus/108/votes HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 147

{
  "url" : "/api/menus/108/votes",
  "type" : "EXPIRED_TIME",
  "typeMessage" : "Expired time",
  "details" : [ "Expired time for voting" ]
}
```

## Create if Menu Not Current Date

### Curl

```
$ curl 'http://localhost:8080/api/menus/105/votes' -i -u 'user1@gmail.com:password' -X POST
```

## HTTP Request

```
POST /api/menus/105/votes HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 159

{
  "url" : "/api/menus/105/votes",
  "type" : "EXPIRED_DATE",
  "typeMessage" : "Expired date",
  "details" : [ "Expired date for entity with id=105" ]
}
```



All Get request is allowed for users with Admin and User roles.

## Get Current

### Curl

```
$ curl 'http://localhost:8080/api/votes/current' -i -u 'user1@gmail.com:password' -X GET
```

### HTTP Request

```
GET /api/votes/current HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 183
```

```
{
  "id" : 121,
  "date" : "2020-08-02",
  "restaurant" : {
    "id" : 103,
    "name" : "McDonalds"
  },
  "menu" : {
    "id" : 107,
    "actionDate" : "2020-08-02"
  }
}
```

## Get by Date

### Curl

```
$ curl 'http://localhost:8080/api/votes/byDate?date=2020-08-02' -i -u
'user1@gmail.com:password' -X GET
```

### HTTP Request

```
GET /api/votes/byDate?date=2020-08-02 HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 183
```

```
{
  "id" : 121,
  "date" : "2020-08-02",
  "restaurant" : {
    "id" : 103,
    "name" : "McDonalds"
  },
  "menu" : {
    "id" : 107,
    "actionDate" : "2020-08-02"
  }
}
```

## Get All

### Curl

```
$ curl 'http://localhost:8080/api/votes/' -i -u 'user1@gmail.com:password' -X GET
```

### HTTP Request

```
GET /api/votes/ HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 516
```

```
{
  "content" : [ {
    "id" : 118,
    "date" : "2020-08-01",
    "restaurant" : {
      "id" : 104,
      "name" : "Burger King"
    },
    "menu" : {
      "id" : 106,
      "actionDate" : "2020-08-01"
    }
  }, {
    "id" : 121,
    "date" : "2020-08-02",
    "restaurant" : {
      "id" : 103,
      "name" : "McDonalds"
    },
    "menu" : {
      "id" : 107,
      "actionDate" : "2020-08-02"
    }
  } ],
  "size" : 20,
  "totalElements" : 2,
  "totalPages" : 1,
  "number" : 0
}
```



All DELETE request is allowed for users with Admin and User roles.

## Delete

### Curl

```
$ curl 'http://localhost:8080/api/votes/' -i -u 'user1@gmail.com:password' -X DELETE
```

## HTTP Request

```
DELETE /api/votes/ HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 204 No Content
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

## Delete Not Found with Current Date

### Curl

```
$ curl 'http://localhost:8080/api/votes/' -i -u 'user1@gmail.com:password' -X DELETE
```

## HTTP Request

```
DELETE /api/votes/ HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 153
```

```
{
  "url" : "/api/votes/",
  "type" : "DATA_NOT_FOUND",
  "typeMessage" : "Data not found",
  "details" : [ "Not found entity with current date" ]
}
```

## Delete After Expired Date

### Curl

```
$ curl 'http://localhost:8080/api/votes/' -i -u 'user1@gmail.com:password' -X DELETE
```

### HTTP Request

```
DELETE /api/votes/ HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

### HTTP Response

#### Success HTTP responses

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 138

{
  "url" : "/api/votes/",
  "type" : "EXPIRED_TIME",
  "typeMessage" : "Expired time",
  "details" : [ "Expired time for voting" ]
}
```

## Statistic



All Get request is allowed for users with Admin and User roles.

### Get Current

#### Curl

```
$ curl 'http://localhost:8080/api/statistic/current' -i -u 'user1@gmail.com:password'
-X GET
```

#### HTTP Request

```
GET /api/statistic/current HTTP/1.1
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk
Host: localhost:8080
```

#### HTTP Response

##### Success HTTP responses



```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 518
```

```
{
  "content" : [ {
    "date" : "2020-08-01",
    "restaurant" : {
      "id" : 103,
      "name" : "McDonalds"
    },
    "menu" : {
      "id" : 105,
      "actionDate" : "2020-08-01"
    },
    "count" : 1
  }, {
    "date" : "2020-08-01",
    "restaurant" : {
      "id" : 104,
      "name" : "Burger King"
    },
    "menu" : {
      "id" : 106,
      "actionDate" : "2020-08-01"
    },
    "count" : 2
  } ],
  "size" : 20,
  "totalElements" : 2,
  "totalPages" : 1,
  "number" : 0
}
```

## Get by Date

### Curl

```
$ curl 'http://localhost:8080/api/statistic/byDate?date=2020-08-01' -i -u
'user1@gmail.com:password' -X GET
```

## HTTP Request

```
GET /api/statistic/byDate?date=2020-08-01 HTTP/1.1  
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk  
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 518
```

```
{
  "content" : [ {
    "date" : "2020-08-01",
    "restaurant" : {
      "id" : 103,
      "name" : "McDonalds"
    },
    "menu" : {
      "id" : 105,
      "actionDate" : "2020-08-01"
    },
    "count" : 1
  }, {
    "date" : "2020-08-01",
    "restaurant" : {
      "id" : 104,
      "name" : "Burger King"
    },
    "menu" : {
      "id" : 106,
      "actionDate" : "2020-08-01"
    },
    "count" : 2
  } ],
  "size" : 20,
  "totalElements" : 2,
  "totalPages" : 1,
  "number" : 0
}
```

## Get All

### Curl

```
$ curl 'http://localhost:8080/api/statistic/' -i -u 'user1@gmail.com:password' -X GET
```

## HTTP Request

```
GET /api/statistic/ HTTP/1.1  
Authorization: Basic dXNlcjFAZ21haWwuY29tOnBhc3N3b3Jk  
Host: localhost:8080
```

## HTTP Response

### Success HTTP responses

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 726
```

```
{
  "content" : [ {
    "date" : "2020-08-01",
    "restaurant" : {
      "id" : 103,
      "name" : "McDonalds"
    },
    "menu" : {
      "id" : 105,
      "actionDate" : "2020-08-01"
    },
    "count" : 1
  }, {
    "date" : "2020-08-01",
    "restaurant" : {
      "id" : 104,
      "name" : "Burger King"
    },
    "menu" : {
      "id" : 106,
      "actionDate" : "2020-08-01"
    },
    "count" : 2
  }, {
    "date" : "2020-08-02",
    "restaurant" : {
      "id" : 103,
      "name" : "McDonalds"
    },
    "menu" : {
      "id" : 107,
      "actionDate" : "2020-08-02"
    },
    "count" : 2
  } ],
  "size" : 20,
  "totalElements" : 3,
  "totalPages" : 1,
  "number" : 0
}
```