

Natural REST API Guide

□□□

Table of Contents

| | |
|------------------|----|
| □□ | 1 |
| HTTP □□ | 2 |
| HTTP □□ □□ | 3 |
| □□ | 4 |
| □□□□□□ | 5 |
| □□□ | 6 |
| □□□ | 7 |
| □□□ □□ | 7 |
| Response body | 7 |
| Example response | 7 |
| Links | 7 |
| □□□ | 8 |
| □□□ □□ □□ | 8 |
| Response fields | 8 |
| Example request | 8 |
| Example response | 8 |
| Links | 8 |
| □□□ □□ | 8 |
| Request fields | 8 |
| Example request | 9 |
| Example response | 9 |
| Links | 10 |
| □□□ □□ | 10 |
| Request fields | 10 |
| Example request | 11 |
| Example response | 11 |
| Links | 11 |
| □□□ □□ | 11 |
| Request fields | 11 |
| Example request | 11 |
| Example response | 11 |
| Links | 11 |



HTTP

REST API는 HTTP verbs를 사용하여 HTTP REST 방식을 구현.

| 방법 | 설명 |
|--------|--------------------------|
| GET | 데이터를 가져오는 방법 |
| POST | 데이터를 서버에 저장하는 방법 |
| PUT | 데이터를 서버에 업데이트하는 방법 |
| PATCH | 데이터를 서버에 부분적으로 업데이트하는 방법 |
| DELETE | 데이터를 서버에서 삭제하는 방법 |

HTTP 코드 정리

REST API를 만들기 위해 HTTP 코드 정리. HTTP REST 코드 정리.

| 코드 | 설명 |
|-----------------|--|
| 200 OK | 요청이 성공적으로 처리되었습니다. |
| 201 Created | 요청이 성공적으로 처리되었습니다. Location 헤더를 사용하여 생성된 URI를 반환합니다. |
| 204 No Content | 요청이 성공적으로 처리되었습니다. 반환된 데이터가 없습니다. |
| 400 Bad Request | 요청이 잘못되었습니다. 서버는 요청을 처리할 수 없습니다. |
| 404 Not Found | 요청된 리소스가 없습니다. |



이러한 경우 (상태 코드 ≥ 400), 서버는 JSON 데이터를 반환합니다. 이 데이터는 다음과 같습니다.

```
Unresolved directive in index.adoc - include::/Users/donghwanyoon/workspaces/intellij-projects/yoon-rest-api-spring/target/generated-snippets/errors/response-fields.adoc[]
```

이 경우, 서버는 400 Bad Request 상태를 반환합니다.

```
Unresolved directive in index.adoc - include::/Users/donghwanyoon/workspaces/intellij-projects/yoon-rest-api-spring/target/generated-snippets/errors/http-response.adoc[]
```

□□□□□□

□ REST API □□□□□□ □□□□ □□□□ □□□□ □□ □□□□ □□ □□□□ □□. □□□ [Hypertext Application from resource to resource. Language \(HAL\)](#) □□□ □□□. □□□ ` _links `□□ □□ □□□□. □ API□ □□□(□□□□□□)□ URI□ □□ □□□□ □□□ □□, □□□□□□ □□□□ □□□□ □□.



□□□

□□□□ □□□ □□□□ □□□□.

□□□□ □□

GET □□□ □□□□ □□□□ □□□ □ □□.

Response body

Snippet response-body not found for operation::index

Example response

Snippet http-response not found for operation::index

Links

Snippet links not found for operation::index

GET

GET /api/v1/events GET

Response fields

Response fields

Snippet response-fields not found for operation::get-events

Example request

Snippet curl-request not found for operation::get-events

Example response

Snippet http-response not found for operation::get-events

Links

Snippet links not found for operation::get-events

POST

POST /api/v1/events POST

Request fields

| Path | Type | Description |
|-------------------------|--------|--------------------------------------|
| name | String | Name of new event |
| description | String | description of new event |
| beginEnrollmentDateTime | String | beginEnrollmentDateTime of new event |
| closeEnrollmentDateTime | String | closeEnrollmentDateTime of new event |
| beginEventDateTime | String | beginEventDateTime of new event |
| endEventDateTime | String | endEventDateTime of new event |
| endEventDateTime | String | endEventDateTime of new event |
| location | String | location of new event |

| Path | Type | Description |
|-------------------|--------|--------------------------------|
| basePrice | Number | basePrice of new event |
| maxPrice | Number | maxPrice of new event |
| limitOfEnrollment | Number | limitOfEnrollment of new event |

Example request

```
$ curl 'http://localhost:8080/api/events/' -i -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -H 'Accept: application/hal+json' \
  -d '{
    "name" : "Spring",
    "description" : "My REST API",
    "beginEnrollmentDateTime" : "2018-11-23T14:21:00",
    "closeEnrollmentDateTime" : "2018-11-24T14:14:00",
    "beginEventDateTime" : "2018-11-25T14:25:00",
    "endEventDateTime" : "2018-11-27T14:40:00",
    "location" : "Seoul, Gangnam",
    "basePrice" : 100,
    "maxPrice" : 200,
    "limitOfEnrollment" : 100
  }'
```

Example response

HTTP/1.1 201 Created
Location: http://localhost:8080/api/events/1
Content-Type: application/hal+json
Content-Length: 691

```
{
  "id" : 1,
  "name" : "Spring",
  "description" : "My REST API",
  "beginEnrollmentDateTime" : "2018-11-23T14:21:00",
  "closeEnrollmentDateTime" : "2018-11-24T14:14:00",
  "beginEventDateTime" : "2018-11-25T14:25:00",
  "endEventDateTime" : "2018-11-27T14:40:00",
  "location" : "Seoul, Gangnam",
  "basePrice" : 100,
  "maxPrice" : 200,
  "limitOfEnrollment" : 100,
  "offline" : true,
  "free" : false,
  "eventStatus" : "DRAFT",
  "_links" : {
    "self" : {
      "href" : "http://localhost:8080/api/events/1"
    },
    "query-events" : {
      "href" : "http://localhost:8080/api/events"
    },
    "update-event" : {
      "href" : "http://localhost:8080/api/events/1"
    }
  }
}
```

Links

| Relation | Description |
|---------------------------|----------------|
| <code>self</code> | link-to-self |
| <code>query-events</code> | link-to-query |
| <code>update-event</code> | link-to-update |

□□□ □□

Get □□□ □□□□ □□ □□□ □□□ □ □□.

Request fields

Snippet request-fields not found for operation::get-event

Example request

Snippet curl-request not found for operation::get-event

Example response

Snippet http-response not found for operation::get-event

Links

Snippet links not found for operation::get-event

□□□ □□

PUT □□□ □□□□ □□ □□□□ □□□ □ □□.

Request fields

Snippet request-fields not found for operation::update-event

Example request

Snippet curl-request not found for operation::update-event

Example response

Snippet http-response not found for operation::update-event

Links

Snippet links not found for operation::update-event