# Book Domain

1. **Create a book**

POST /api/books

Example of create a book：

{"isbn":"isbn1","name":"name1","categories":["1","3"]}

Return the details of book with status=200：

{"id":1,"isbn1":"isbn1","name":"name1","description":null,"publicationDate":null,"categories":[1,2]}

1. **Get a book by id**

GET /api/books/:id

Example of delete a book：

GET /api/books/2

Return the details of Book that is just deleted with status=200：

{"id":2,"creationTime":"18-03-2015","description":null,"modificationTime":"18-03-2015","name":"name1","isbn":"isbn1rrr11131311","avgRate":0}

1. **Delete a book by id**

DELETE /api/books/:id

Example of delete a book：

DELETE /api/books/2

Return the details of Book that is just deleted with status=200：

{"id":1,"creationTime":"18-03-2015","description":null,"modificationTime":"18-03-2015","name":"name1","isbn":"isbn1rrr11131311","avgRate":0}

1. **Get the books by categories**

GET /api/books

Arguments

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| page | The page index | Start from 0 |
| size | The quantity of contents of one page |  |
| sortBy | The keyword for sorting | sortBy condition, optional , default is “id”. |
| categories | Target categories | Optional, |

Return a list of Books with status=200：

{

"links": [

{

"rel": "next",

"href": "http://localhost:8080/api/books?page=1&size=4"

},

{

"rel": "first",

"href": "http://localhost:8080/api/books?page=0&size=4"

},

{

"rel": "last",

"href": "http://localhost:8080/api/books?page=1&size=4"

},

{

"rel": "self",

"href": "http://localhost:8080/api/books?page=0&size=4"

}

],

"size": 4,

"number": 0,

"content": [

{

"id": 2,

"creationTime": "18-03-2015",

"description": null,

"modificationTime": "18-03-2015",

"name": "name1",

"isbn": "isbn1rrr11131311",

"avgRate": 0

},

{

"id": 3,

"creationTime": "18-03-2015",

"description": null,

"modificationTime": "18-03-2015",

"name": "name1",

"isbn": "isbn1rrr111313111",

"avgRate": 0

},

{

"id": 4,

"creationTime": "18-03-2015",

"description": null,

"modificationTime": "18-03-2015",

"name": "name1",

"isbn": "isbn1",

"avgRate": 0

}

],

"totalPages": 2,

"numberOfElements": 3,

"firstPage": true,

"lastPage": false,

"totalElements": 5,

"sort": [

{

"direction": "ASC",

"property": "id",

"ascending": true

}

]

}

1. **Recommend a book**

PUT /api/books/:id/recommends

Return with status=200：

1. **Count a book test passed**

PUT /api/books/:id/passcounts

Return with status=200：

1. **count a book test**

PUT /api/books/:id/testcounts

Return with status=200：

# Category Domain

1. **Create a category**

POST /api/categories

Example of create a category：

{ "name":"name1","children":[{"name":"name2"}]}

Return the details of category with status=200：

{ "id":4,"creationTime":"18-03-2015","name":"name1","children":[{"id":5,"creationTime":"18-03-2015","name":"name2","children":[]}]

1. **Get a category by id**

GET /api/categories/:id

Example of get a category：

GET /api/categories/4

Return the details of category that is just deleted with status=200：

{

"id": 4,

"creationTime": "18-03-2015",

"name": "name1",

"children": [

{

"id": 5,

"creationTime": "18-03-2015",

"name": "name2",

"children": []

}

]

}

1. **Delete a category by id**

DELETE /api/categories/:id

Example of delete a category：

DELETE /api/categories/4

Return the details of category that is just deleted with status=200：

{

"id": 4,

"creationTime": "18-03-2015",

"name": "name1",

"children": [

{

"id": 5,

"creationTime": "18-03-2015",

"name": "name2",

"children": []

}

]

}

# Review Domain

1. **Create a review**

POST /api/reviews

Example of create a review：

{   
 "bookId": 1,  
 "content": "content1"

}

Return the details of review with status=200：

{

"id": 1,

"bookId": 1,

"content": "content1"

}

1. **Get a review by id**

GET /api/reviews/:id

Example of get a review：

GET /api/review/1

Return the details of review that is just deleted with status=200：

{

"id": 1,

"bookId": 1,

"content": "content1"

}

1. **Delete a review by id**

DELETE /api/reviews/:id

Example of delete a review：

DELETE /api/reviews/1

Return the details of review that is just deleted with status=200：

{

"id": 1,

"bookId": 1,

"content": "content1"

}

1. **Get the reviews by book id**

GET /api/books/:id/reviews

Arguments

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| page | The page index | Start from 0 |
| size | The quantity of contents of one page |  |
| sortBy | The keyword for sorting | sortBy condition, optional , default is “id”. |
| categories | Target categories | Optional, |

Return a list of reviews with status=200：

{

"links": [

{

"rel": "next",

"href": "http://localhost:8080/api/books/1/reviews?page=1&size=3"

},

{

"rel": "first",

"href": "http://localhost:8080/api/books/1/reviews?page=0&size=3"

},

{

"rel": "last",

"href": "http://localhost:8080/api/books/1/reviews?page=10&size=3"

},

{

"rel": "self",

"href": "http://localhost:8080/api/books/1/reviews?page=0&size=3"

}

],

"size": 3,

"number": 0,

"content": [

{

"id": 1,

"creationTime": "18-03-2015",

"content": "content1",

"book": {

"id": 1,

"creationTime": "18-03-2015",

"description": null,

"modificationTime": "18-03-2015",

"name": "name1",

"isbn": "isbn",

"avgRate": 0

}

},

{

"id": 2,

"creationTime": "18-03-2015",

"content": "content1",

"book": {

"id": 1,

"creationTime": "18-03-2015",

"description": null,

"modificationTime": "18-03-2015",

"name": "name1",

"isbn": "isbn",

"avgRate": 0

}

},

{

"id": 3,

"creationTime": "18-03-2015",

"content": "content1",

"book": {

"id": 1,

"creationTime": "18-03-2015",

"description": null,

"modificationTime": "18-03-2015",

"name": "name1",

"isbn": "isbn",

"avgRate": 0

}

}

],

"sort": [

{

"direction": "ASC",

"property": "id",

"ascending": true

}

],

"totalPages": 11,

"numberOfElements": 3,

"firstPage": true,

"lastPage": false,

"totalElements": 33

}