# Book Domain

1. **Create a dictionary**

POST /api/dictionaries

Example of create a dictionary：

{ "type":"TEST","name":"认证测试","value":1,"description":"认证测试"}

Return the details of dictionary with status=200：

{"id":1,"creationTime":"28-03-2015","type":"TEST","name":"认证测试","value":1,"description":"认证测试" }

1. **Get dictionary**

GET /api/dictionaries

Arguments

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| type | Dictionary Type | Type: TEST, LITERATURE, LANGUAGE, RESOURCE, LEVEL,GRADE,CATEGORY,AGERANGE |

Return the details of dictionary with status=200：

[

{

"id": 3,

"creationTime": "28-03-2015",

"type": "TEST",

"name": "所有类型",

"value": 0,

"description": "所有类型"

},

{

"id": 4,

"creationTime": "28-03-2015",

"type": "TEST",

"name": "认证测试",

"value": 1,

"description": "认证测试"

},

{

"id": 5,

"creationTime": "28-03-2015",

"type": "TEST",

"name": "词汇训练",

"value": 2,

"description": "词汇训练"

},

{

"id": 6,

"creationTime": "28-03-2015",

"type": "TEST",

"name": "思维训练",

"value": 3,

"description": "思维训练"

}

]

1. **Create a book**

POST /api/books

Example of create a book：

{

"publicationDate": 1256006105375,

"isbn": "isbn0406000002",

"pictureUrl": "default\_url",

"name": "十万个冷笑话",

"description": "书很有趣",

"author": "张三",

"publisher": "教育出版社",

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"price": 48,

"highPrice": 58,

"binding": "hardback",

"authorIntroduction": "作者描述",

"evaluationNum": 1,

"extra": {

"level": 0,

"language": 1,

"literature": 0,

"testType": 1,

"grade": 0,

"category": 2,

"resource": 2,

"pointRange": 2,

"ageRange": 0

}

}

Return the details of book with status=200：

{

"id": 1,

"creationTime": "06-04-2015",

"description": "书很有趣",

"modificationTime": "06-04-2015",

"publicationDate": "20-10-2009",

"name": "十万个冷笑话",

"isbn": "isbn0406000002",

"author": "张三",

"authorIntroduction": "作者描述",

"publisher": "教育出版社",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"catalogue": null,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 1,

"creationTime": "06-04-2015",

"level": 0,

"testType": 1,

"literature": 0,

"language": 1,

"resource": 0,

"grade": 0,

"category": 2,

"ageRange": 0,

"pointRange": 0

},

"statistic": {

"id": 1,

"creationTime": "06-04-2015",

"hots": 0,

"recommends": 0,

"notes": 0,

"readNums": 0,

"weeklyRecommend": 0,

"monthlyRecommend": 0,

"yearlyRecommend": 0,

"weeklyHot": 0,

"monthlyHot": 0,

"yearlyHot": 0

}

1. **Update a book**

PUT /api/books

Example of create a book：

{

"publicationDate": 1256006105375,

"isbn": "isbn0406000002",

"pictureUrl": "default\_url",

"name": "十万个冷笑话",

"description": "书很有趣",

"author": "张三",

"publisher": "教育出版社",

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"price": 48,

"highPrice": 58,

"binding": "hardback",

"authorIntroduction": "作者描述",

"evaluationNum": 1,

"extra": {

"level": 0,

"language": 1,

"literature": 0,

"testType": 1,

"grade": 0,

"category": 2,

"resource": 2,

"pointRange": 2,

"ageRange": 0

}

}

Return the details of book with status=200：

1. **Get a book by id**

GET /api/books/:id

Example of delete a book：

GET /api/books/8

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

{

"id": 1,

"creationTime": "06-04-2015",

"description": "书很有趣",

"modificationTime": "06-04-2015",

"publicationDate": "20-10-2009",

"name": "十万个冷笑话",

"isbn": "isbn0406000002",

"author": "张三",

"authorIntroduction": "作者描述",

"publisher": "教育出版社",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"catalogue": null,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 1,

"creationTime": "06-04-2015",

"level": 0,

"testType": 1,

"literature": 0,

"language": 1,

"resource": 0,

"grade": 0,

"category": 2,

"ageRange": 0,

"pointRange": 0

},

"statistic": {

"id": 1,

"creationTime": "06-04-2015",

"hots": 0,

"recommends": 0,

"notes": 0,

"readNums": 0,

"weeklyRecommend": 0,

"monthlyRecommend": 0,

"yearlyRecommend": 0,

"weeklyHot": 0,

"monthlyHot": 0,

"yearlyHot": 0

}

}

1. **Delete a book by id**

DELETE /api/books/:id

Example of delete a book：

DELETE /api/books/8

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

{

"id": 1,

"creationTime": "06-04-2015",

"description": "书很有趣",

"modificationTime": "06-04-2015",

"publicationDate": "20-10-2009",

"name": "十万个冷笑话",

"isbn": "isbn0406000002",

"author": "张三",

"authorIntroduction": "作者描述",

"publisher": "教育出版社",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"catalogue": null,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 1,

"creationTime": "06-04-2015",

"level": 0,

"testType": 1,

"literature": 0,

"language": 1,

"resource": 0,

"grade": 0,

"category": 2,

"ageRange": 0,

"pointRange": 0

},

"statistic": {

"id": 1,

"creationTime": "06-04-2015",

"hots": 0,

"recommends": 0,

"notes": 0,

"readNums": 0,

"weeklyRecommend": 0,

"monthlyRecommend": 0,

"yearlyRecommend": 0,

"weeklyHot": 0,

"monthlyHot": 0,

"yearlyHot": 0

}

1. **Books quickSearch**

GET /api/books/search

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”. |
| searchTerm | Search key word | Range : name,publisher,author,isbn |

Return a list of Books with status=200：

{

"content": [

{

"id": 2,

"creationTime": "06-04-2015",

"description": "书很有趣",

"modificationTime": "06-04-2015",

"publicationDate": "20-10-2009",

"name": "十万个冷笑话",

"isbn": "isbn0406000002",

"author": "张三",

"authorIntroduction": "作者描述",

"publisher": "教育出版社",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"catalogue": null,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 2,

"creationTime": "06-04-2015",

"level": 1,

"testType": 1,

"literature": 1,

"language": 1,

"resource": 0,

"grade": 1,

"category": 1,

"ageRange": 1,

"pointRange": 0

},

"statistic": {

"id": 2,

"creationTime": "06-04-2015",

"hots": 0,

"recommends": 0,

"notes": 0,

"readNums": 0,

"weeklyRecommend": 0,

"monthlyRecommend": 0,

"yearlyRecommend": 0,

"weeklyHot": 0,

"monthlyHot": 0,

"yearlyHot": 0

}

},

{

"id": 3,

"creationTime": "06-04-2015",

"description": "书很有趣",

"modificationTime": "06-04-2015",

"publicationDate": "20-10-2009",

"name": "狼图腾",

"isbn": "isbn0406000003",

"author": "李四",

"authorIntroduction": "作者描述",

"publisher": "教育出版社",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"catalogue": null,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 3,

"creationTime": "06-04-2015",

"level": 2,

"testType": 2,

"literature": 2,

"language": 2,

"resource": 0,

"grade": 2,

"category": 2,

"ageRange": 2,

"pointRange": 0

},

"statistic": {

"id": 3,

"creationTime": "06-04-2015",

"hots": 0,

"recommends": 0,

"notes": 0,

"readNums": 0,

"weeklyRecommend": 0,

"monthlyRecommend": 0,

"yearlyRecommend": 0,

"weeklyHot": 0,

"monthlyHot": 0,

"yearlyHot": 0

}

}

],

"size": 2,

"number": 0,

"sort": [

{

"direction": "ASC",

"property": "id",

"ascending": true

}

],

"totalElements": 2,

"totalPages": 1,

"numberOfElements": 2,

"firstPage": true,

"lastPage": true

}

1. **Books search condition**

GET /api/books/conditions

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”. |
| level | level | Optional, must be number string |
| testType | testType | Optional, must be number string |
| literature | literature | Optional, must be number string |
| language | lauguage | Optional, must be number string |
| category | category | Optional, must be number string |
| resource | resource | Optional, must be number string |
| ageRange | ageRange | Optional, must be number string |
| grade | grade | Optional, must be number string |
| pointRange | pointRange | Optional, must be number string |

Return a list of Books with status=200：

{

"content": [

{

"id": 2,

"creationTime": "06-04-2015",

"description": "书很有趣",

"modificationTime": "06-04-2015",

"publicationDate": "20-10-2009",

"name": "狼图腾",

"isbn": "isbn0406000003",

"author": "李四",

"authorIntroduction": "作者描述",

"publisher": "教育出版社",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 5,

"coin": 20,

"catalogue": null,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 2,

"creationTime": "06-04-2015",

"level": 2,

"testType": 2,

"literature": 2,

"language": 2,

"resource": 0,

"grade": 2,

"category": 2,

"ageRange": 2,

"pointRange": 0

},

"statistic": {

"id": 2,

"creationTime": "06-04-2015",

"hots": 0,

"recommends": 0,

"notes": 0,

"readNums": 0,

"weeklyRecommend": 0,

"monthlyRecommend": 0,

"yearlyRecommend": 0,

"weeklyHot": 0,

"monthlyHot": 0,

"yearlyHot": 0

}

},

{

"id": 3,

"creationTime": "06-04-2015",

"description": "书很有趣",

"modificationTime": "06-04-2015",

"publicationDate": "20-10-2009",

"name": "狼图腾",

"isbn": "isbn0406000004",

"author": "李四",

"authorIntroduction": "作者描述",

"publisher": "教育出版社",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 2,

"coin": 20,

"catalogue": null,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 3,

"creationTime": "06-04-2015",

"level": 2,

"testType": 2,

"literature": 2,

"language": 2,

"resource": 0,

"grade": 2,

"category": 2,

"ageRange": 2,

"pointRange": 0

},

"statistic": {

"id": 3,

"creationTime": "06-04-2015",

"hots": 0,

"recommends": 0,

"notes": 0,

"readNums": 0,

"weeklyRecommend": 0,

"monthlyRecommend": 0,

"yearlyRecommend": 0,

"weeklyHot": 0,

"monthlyHot": 0,

"yearlyHot": 0

}

}

],

"size": 2,

"number": 0,

"totalElements": 2,

"sort": [

{

"direction": "ASC",

"property": "id",

"ascending": true

}

],

"totalPages": 1,

"firstPage": true,

"lastPage": true,

"numberOfElements": 2

}

1. **Books order by hot**

GET /api/books/conditions/weeklyhot|monthlyhot|yearlyhot

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”. |
| level | level | Optional, must be number string |
| testType | testType | Optional, must be number string |
| literature | literature | Optional, must be number string |
| language | lauguage | Optional, must be number string |
| category | category | Optional, must be number string |
| resource | resource | Optional, must be number string |
| ageRange | ageRange | Optional, must be number string |
| grade | grade | Optional, must be number string |

Return a list of Books with status=200：

{

"content": [

{

"id": 17,

"creationTime": "28-03-2015",

"description": "bad",

"modificationTime": "28-03-2015",

"publicationDate": "20-10-2009",

"name": "god is boy",

"isbn": "isbn0329000008",

"author": "jerry",

"authorIntroduction": "作者描述",

"publisher": "pub-2",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 1,

"creationTime": "28-03-2015",

"level": 0,

"testType": 2,

"literature": 0,

"language": 1,

"resource": 0,

"grade": 0,

"category": 0,

"ageRange": 0,

"weeklyHot": 2,

"monthlyHot": 3,

"yearlyHot": 4

}

},

{

"id": 18,

"creationTime": "28-03-2015",

"description": "bad",

"modificationTime": "28-03-2015",

"publicationDate": "20-10-2009",

"name": "god is boy",

"isbn": "isbn0329000001",

"author": "jerry",

"authorIntroduction": "作者描述",

"publisher": "pub-2",

"price": 48.0,

"highPrice": 58.0,

"evaluationNum": 1,

"pageCount": 120,

"wordCount": 20000,

"point": 20,

"coin": 20,

"binding": "hardback",

"status": "valid",

"pictureUrl": "default\_url",

"extra": {

"id": 2,

"creationTime": "28-03-2015",

"level": 0,

"testType": 2,

"literature": 0,

"language": 1,

"resource": 0,

"grade": 0,

"category": 0,

"ageRange": 0,

"weeklyHot": 0,

"monthlyHot": 0,

"yearlyHot": 0

}

}

],

"size": 2,

"number": 0,

"sort": [

{

"direction": "DESC",

"property": "extra.weeklyHot",

"ascending": false

}

],

"totalPages": 1,

"numberOfElements": 2,

"firstPage": true,

"lastPage": true,

"totalElements": 2

}

1. **Recommend a book**

PUT /api/books/:id/users/:userId/recommends

Return with status=200：

# Review Domain

1. **Create a review**

POST /api/books/:bookId/reviews

Example of create a review：

{"title":"hello review","content":"hello content","rate":3,"studentId":1}

Return the details of review with status=200：

{"id":6,"content":"hello content","title":"hello review","studentId":1,"rate":3}

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”. |

Return a list of reviews with status=200：

{

"links": [

{

"rel": "first",

"href": "http://localhost:8080/api/books/1/reviews?page=0&size=4"

},

{

"rel": "last",

"href": "http://localhost:8080/api/books/1/reviews?page=0&size=4"

},

{

"rel": "self",

"href": "http://localhost:8080/api/books/1/reviews?page=0&size=4"

}

],

"size": 4,

"number": 0,

"content": [

{

"id": 6,

"creationTime": "19-04-2015",

"title": "hello review",

"content": "hello content",

"studentId": 1,

"studentName": null,

"rate": 3

},

{

"id": 7,

"creationTime": "19-04-2015",

"title": "hello review",

"content": "hello content",

"studentId": 1,

"studentName": "李晨",

"rate": 3

}

],

"sort": [

{

"direction": "ASC",

"property": "id",

"ascending": true

}

],

"totalElements": 2,

"totalPages": 1,

"numberOfElements": 2,

"firstPage": true,

"lastPage": true

}