



1.0.5

```
[ Base URL: localhost:8080/library ]
```

This is Library Management Swagger. You can find out more about Swagger at <http://swagger.io> or on irc.freenode.net, [#swagger](https://twitter.com/swagger). For this sample, you can use the api key **special-key** to test the authorization filters.

Terms of service

Contact the developer

Apache 2.0

Find out more about Swagger

Schemes

HTTP

`/books` Add a new book to the library

Try it out

Description

Name	Description
body * required object (body)	<p>A book that needs to be added to the library</p> <p>Example Value Model</p> <pre>{ "bookid": "B-629", "bookName": "Data Structures", "bookAuthor": "B-1234", "noOfBooksAvailable": 2, "noOfRegisteredBooks": 5 }</pre> <p>Parameter content type</p> <div>application/json</div>

Responses

Response content type

application/json

Code	Description
400	<p>Books Added</p> <p>Example Value Model</p> <pre>{}</pre>
405	<p>Invalid input</p> <p>Example Value Model</p> <pre>{}</pre>

GET /getallbooks Get the list of all the books

Get the list of all the books

Parameters[Try it out](#)

No parameters

Responses

Response content type

[application/json](#)**Code****Description**

200

Book available in Library

Example Value Model

```
{
  "bookid": "B-629",
  "bookName": "Data Structures",
  "bookAuthor": "B-1234",
  "noOfBooksAvailable": 2,
  "noOfRegisteredBooks": 5
}
```

GET**/checkemptylibrary** Check if the library is Empty

Check if the library is Empty

Parameters[Try it out](#)

No parameters

Responses

Response content type

[application/json](#)**Code****Description**

Code	Description
200	Library is Empty <div><div>Example Value</div><div>Model</div><div><pre>{}</pre></div></div>
201	Book available in Library <div><div>Example Value</div><div>Model</div><div><pre>{ "bookid": "B-629", "bookName": "Data Structures", "bookAuthor": "B-1234", "noOfBooksAvailable": 2, "noOfRegisteredBooks": 5 }</pre></div></div>

GET

/books/{id} Finds Book by ID

Find Book by Id

Parameters

Try it out

Name	Description
<div><div>id * required</div><div>integer(\$int64)</div><div>(path)</div></div>	<div>ID of book to find</div> <div><div>id - ID of book to find</div></div>

Responses

Response content type application/json

Code	Description
------	-------------

Code	Description
------	-------------

200

successful operation

Example Value Model

```
[
  {
    "bookid": "B-629",
    "bookName": "Data Structures",
    "bookAuthor": "B-1234",
    "noOfBooksAvailable": 2,
    "noOfRegisteredBooks": 5
  }
]
```

400

Invalid status value

GET**/bookavailability/{id}** Check if a book is available in library**Parameters****Try it out**

Name	Description
------	-------------

id * required

ID of book to find

integer(\$int64)

(path)

id - ID of book to find

Responses**Response content type****boolean**

Code	Description
------	-------------

200

Book is Available

Example Value Model**true**

Code	Description
------	-------------

400	
-----	--

	Book is not Available
--	-----------------------

Example Value	Model
----------------------	-------

	false
--	-------

POST /borrowbook/{id} Borrow the book from the library

Parameters

Try it out

Name	Description
------	-------------

id * required	
----------------------	--

	A book that needs to be added to the library
--	--

integer	
---------	--

(path)	
--------	--

	id - A book that needs to be added to the library
--	---

Responses

Response content type

application/json

Code	Description
------	-------------

405	
-----	--

	Invalid input
--	---------------

POST /returnbook/{id} Return the book to the library

Parameters

Try it out

Name	Description
------	-------------

Name	Description
------	-------------

id * required

A book that needs to be returned to the library

integer

(path)

id - A book that needs to be returned to the library

Responses

Response content type

application/json

Code	Description
------	-------------

405

Invalid input

Models

```
Book {
  bookid*      string
               example: B-629
  bookName     string
               example: Data Structures
  bookAuthor   string
               example: B-1234
  noOfBooksAvailable integer($int64)
               example: 2
  noOfRegisteredBooks integer($int64)
               example: 5
}
```

```
EmptyLibrary  {
```

```
}
```

