1. **Create a new tag**

POST https://localhost:8080/api/tag

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| name | The catalog of the tag | Unique |
| value | The option of the the tag |  |

Example of create a Tag：

{"name":"Grade","value":"Grade one"}

Return the details of Tag with status=200：

{"id":2,"name":"Grade","value":"Grade one"}

1. **Delete a tag by id**

DELETE https://localhost:8080/api/tag/:id

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| id | Tag的id | 唯一 |

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

{"id":2,"name":"Grade","value":"Grade one"}

1. **Update a tag by id**

PUT https://localhost:8080/api/tag/:id

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| name | The catalog of the tag | Unique |
| value | The option of the the tag |  |

Return the details of Tag that is just updated with status=200：

{"id":2,"name":"Grade","value":"Grade one"}

1. **Get all of the tags**

GET https://localhost:8080/api/tag

Return the all the details of Tags with status=200：

[{"id":2,"name":"Grade","value":"Grade one"},

{"id":3,"name":"Grade","value":"Grade one"}]

1. **Get a booktag id list by the tag id**

GET https://localhost:8080/api/tag/:id/booktag

Return the list of booktag with status=200：

[{"id":2}, {"id":3}]