

Deborah Barndt

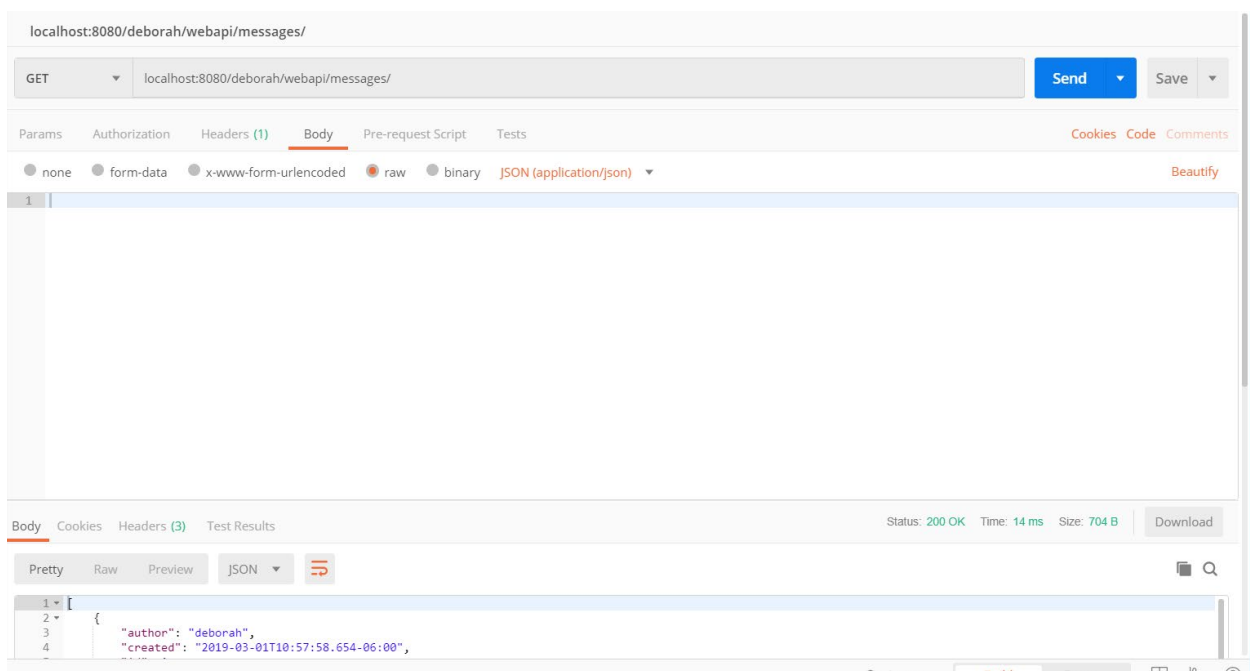
ITMD 566 Service-Oriented Architectures

Professor Hosea Lee

Comment Service

2-26-19

1. Complete comment services from the previous assignment.
Create 2 comments on each of three messages. You should be able to perform CRUD functions of Comment Services. Please provide necessary screenshots to show your work. (100 points)



GET localhost:8080/deborah/webapi/messages/ Send Save

Pretty Raw Preview JSON

```
3 {
4   "author": "deborah",
5   "created": "2019-03-01T10:57:58.654-06:00",
6   "id": 1,
7   "links": [],
8   "message": "Hello World"
9 },
10 {
11   "author": "deborah",
12   "created": "2019-03-01T10:57:58.654-06:00",
13   "id": 2,
14   "links": [],
15   "message": "Hello Jersey"
16 },
17 {
18   "author": "deborah",
19   "created": "2019-02-26T12:37:16.237-06:00",
20   "id": 4,
21   "links": [],
22   "message": "I'm graduating this semester."
23 },
24 {
25   "author": "deborah",
26   "created": "2019-02-25T12:37:16.237-06:00",
27   "id": 5,
28   "links": [],
29   "message": "Hello Illinois Tech Scarlet Hawks!"
30 },
31 {
32   "author": "deborah",
33   "created": "2019-02-24T12:37:16.237-06:00",
34   "id": 6,
35   "links": [],
36   "message": "I'm going to the career fair tomorrow."
37 }
```

POST localhost:8080/deborah/webapi/messages/4/comments Send Save

1 {
2 "author": "scott",
3 "created": "2019-02-26T12:37:16.237-06:00",
4 "message": "Congratulations!"
5 }

Body Cookies Headers (3) Test Results Status: 200 OK Time: 28 ms Size: 204 B Download

Pretty Raw Preview JSON

```
1 {
2   "author": "scott",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 1,
5   "message": "Congratulations!"
6 }
```

POSTlocalhost:8080/deborah/webapi/messages/4/comments

SendSave

```
1 {
2   "author": "dalilah",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Congratulations Deb! I'm going to miss you!"
5 }
```

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 24 msSize: 234 BDownload

PrettyRawPreviewJSON

```
1 {
2   "author": "dalilah",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 2,
5   "message": "Congratulations Deb! I'm going to miss you!"
6 }
```

GETlocalhost:8080/deborah/webapi/messages/4/comments

SendSave

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 8 msSize: 333 BDownload

PrettyRawPreviewJSON

```
1 [
2   {
3     "author": "scott",
4     "created": "2019-02-26T12:37:16.237-06:00",
5     "id": 1,
6     "message": "Congratulations!"
7   },
8   {
9     "author": "dalilah",
10    "created": "2019-02-26T12:37:16.237-06:00",
11    "id": 2,
12    "message": "Congratulations Deb! I'm going to miss you!"
13  }
14 ]
```

POSTlocalhost:8080/deborah/webapi/messages/5/comments

SendSave

1 {

2 "author": "mike",

3 "created": "2019-02-26T12:37:16.237-06:00",

4 "message": "Hello to you!"

5 }

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 30 msSize: 200 BDownload

PrettyRawPreviewJSON

1 {

2 "author": "mike",

3 "created": "2019-02-26T12:37:16.237-06:00",

4 "id": 1,

5 "message": "Hello to you!"

6 }

POSTlocalhost:8080/deborah/webapi/messages/5/comments

SendSave

1 {

2 "author": "richard",

3 "created": "2019-02-26T12:37:16.237-06:00",

4 "message": "Go Hawks! I love IIT!"

5 }

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 27 msSize: 212 BDownload

PrettyRawPreviewJSON

1 {

2 "author": "richard",

3 "created": "2019-02-26T12:37:16.237-06:00",

4 "id": 2,

5 "message": "Go Hawks! I love IIT!"

6 }

GETlocalhost:8080/deborah/webapi/messages/5/comments

SendSave

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 10 msSize: 307 BDownload

PrettyRawPreviewJSON

1 [

2 {

3 "author": "mike",

4 "created": "2019-02-26T12:37:16.237-06:00",

5 "id": 1,

6 "message": "Hello to you!"

7 },

8 {

9 "author": "richard",

10 "created": "2019-02-26T12:37:16.237-06:00",

11 "id": 2,

12 "message": "Go Hawks! I love IIT!"

13 }

14]

POSTlocalhost:8080/deborah/webapi/messages/6/commentsSendSave

```
1 {
2   "author": "scott",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Good luck at the career fair!"
5 }
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 13 msSize: 218 BDownload

PrettyRawPreviewJSONPretty

```
1 {
2   "author": "scott",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 1,
5   "message": "Good luck at the career fair!"
6 }
```

POSTlocalhost:8080/deborah/webapi/messages/6/commentsSendSave

```
1 {
2   "author": "martae",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Good luck! I hope you find something!"
5 }
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 23 msSize: 227 BDownload

PrettyRawPreviewJSONPretty

```
1 {
2   "author": "martae",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 2,
5   "message": "Good luck! I hope you find something!"
6 }
```

GETlocalhost:8080/deborah/webapi/messages/6/commentsSendSave

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 9 msSize: 339 BDownload

PrettyRawPreviewJSONPretty

```
1 [
2   {
3     "author": "scott",
4     "created": "2019-02-26T12:37:16.237-06:00",
5     "id": 1,
6     "message": "Good luck at the career fair!"
7   },
8   {
9     "author": "martae",
10    "created": "2019-02-26T12:37:16.237-06:00",
11    "id": 2,
12    "message": "Good luck! I hope you find something!"
13  }
14 ]
```

PUTlocalhost:8080/deborah/webapi/messages/6/comments/2SendSave

```
1 {
2   "author": "martae",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Good luck! Can I come with you?"
5 }
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 22 msSize: 221 BDownload

PrettyRawPreviewJSONPretty

```
1 {
2   "author": "martae",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 2,
5   "message": "Good luck! Can I come with you?"
6 }
```

PUTlocalhost:8080/deborah/webapi/messages/6/comments/1SendSave

```
1 {
2   "author": "scott",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Good luck at the career fair! Let me know if you need a reference."
5 }
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 22 msSize: 255 BDownload

PrettyRawPreviewJSONPretty

```
1 {
2   "author": "scott",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 1,
5   "message": "Good luck at the career fair! Let me know if you need a reference."
6 }
```

GETlocalhost:8080/deborah/webapi/messages/6/comments/Save

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 24 msSize: 370 BDownload

PrettyRawPreviewJSONPretty

```
1 [
2   {
3     "author": "scott",
4     "created": "2019-02-26T12:37:16.237-06:00",
5     "id": 1,
6     "message": "Good luck at the career fair! Let me know if you need a reference."
7   },
8   {
9     "author": "martae",
10    "created": "2019-02-26T12:37:16.237-06:00",
11    "id": 2,
12    "message": "Good luck! Can I come with you?"
13  }
14 ]
```

PUTlocalhost:8080/deborah/webapi/messages/5/comments/1

SendSave

noneform-data x-www-form-urlencodedrawbinaryJSON (application/json)Beautify

```
1 {
2   "author": "mike",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Hello to you! How do you like Illinois Tech?"
5 }
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 30 msSize: 232 BDownload

PrettyRawPreviewJSON

```
1 {
2   "author": "mike",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 1,
5   "message": "Hello to you! How do you like Illinois Tech?"
6 }
```

PUTlocalhost:8080/deborah/webapi/messages/5/comments/2

SendSave

noneform-data x-www-form-urlencodedrawbinaryJSON (application/json)Beautify

```
1 {
2   "author": "richard",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Go Hawks! I'm in their coterminal program."
5 }
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 26 msSize: 233 BDownload

PrettyRawPreviewJSON

```
1 {
2   "author": "richard",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 2,
5   "message": "Go Hawks! I'm in their coterminal program."
6 }
```

GETlocalhost:8080/deborah/webapi/messages/5/comments/

SendSave

noneform-data x-www-form-urlencodedrawbinaryJSON (application/json)Beautify

```
1 [
2   {
3     "author": "mike",
4     "created": "2019-02-26T12:37:16.237-06:00",
5     "id": 1,
6     "message": "Hello to you! How do you like Illinois Tech?"
7   },
8   {
9     "author": "richard",
10    "created": "2019-02-26T12:37:16.237-06:00",
11    "id": 2,
12    "message": "Go Hawks! I'm in their coterminal program."
13  }
14 ]
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 6 msSize: 359 BDownload

PrettyRawPreviewJSON

PUTlocalhost:8080/deborah/webapi/messages/4/comments/1SendSave

noneform datawww form-urlencodedrawbinaryJSON application/jsonsecurity

```
1 {
2   "author": "scott",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Congratulations! You deserve it!"
5 }
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 25 msSize: 221 BDownload

PrettyRawPreviewJSONu

```
1 {
2   "author": "scott",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 1,
5   "message": "Congratulations! You deserve it!"
6 }
```

PUTlocalhost:8080/deborah/webapi/messages/4/comments/2SendSave

noneform datawww form-urlencodedrawbinaryJSON application/jsonsecurity

```
1 {
2   "author": "dalilah",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "message": "Congratulations Deb! I'll get to see you at graduation!"
5 }
```

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 26 msSize: 246 BDownload

PrettyRawPreviewJSONu

```
1 {
2   "author": "dalilah",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 2,
5   "message": "Congratulations Deb! I'll get to see you at graduation!"
6 }
```

GETlocalhost:8080/deborah/webapi/messages/4/comments/Save

BodyCookiesHeaders (3)Test ResultsStatus: 200 OKTime: 15 msSize: 361 BDownload

PrettyRawPreviewJSONu

```
1 [
2   {
3     "author": "scott",
4     "created": "2019-02-26T12:37:16.237-06:00",
5     "id": 1,
6     "message": "Congratulations! You deserve it!"
7   },
8   {
9     "author": "dalilah",
10    "created": "2019-02-26T12:37:16.237-06:00",
11    "id": 2,
12    "message": "Congratulations Deb! I'll get to see you at graduation!"
13  }
14 ]
```


DELETE

localhost:8080/deborah/webapi/messages/4/comments/1

Send

Save

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Cookies

Code

Comments

none

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

Beautify

1

Body

Cookies

Headers (1)

Test Results

Status: 204 No Content

Time: 24 ms

Size: 64 B

Pretty

Raw

Preview

Auto

1

GET

localhost:8080/deborah/webapi/messages/4/comments/

Send

Save

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Cookies

Code

Comments

none

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

Beautify

1

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 19 ms

Size: 109 B

Download

Pretty

Raw

Preview

JSON

1

[]

DELETE

localhost:8080/deborah/webapi/messages/5/comments/1

Send

Save

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Cookies

Code

Comments

none

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

Beautify

1

Body

Cookies

Headers (1)

Test Results

Status: 204 No Content

Time: 11 ms

Size: 64 B

Pretty

Raw

Preview

Auto

1

GET

localhost:8080/deborah/webapi/messages/5/comments/

Send

Save

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 15 ms

Size: 235 B

Download

Pretty

Raw

Preview

JSON

1

2

3

4

5

6

7

8

[

{

"author": "richard",

"created": "2019-02-26T12:37:16.237-06:00",

"id": 2,

"message": "Go Hawks! I'm in their coterminal program."

}

]

DELETE

localhost:8080/deborah/webapi/messages/6/comments/1

Send

Save

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Cookies

Code

Comments

none

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

Beautify

1

Body

Cookies

Headers (1)

Test Results

Status: 204 No Content

Time: 18 ms

Size: 64 B

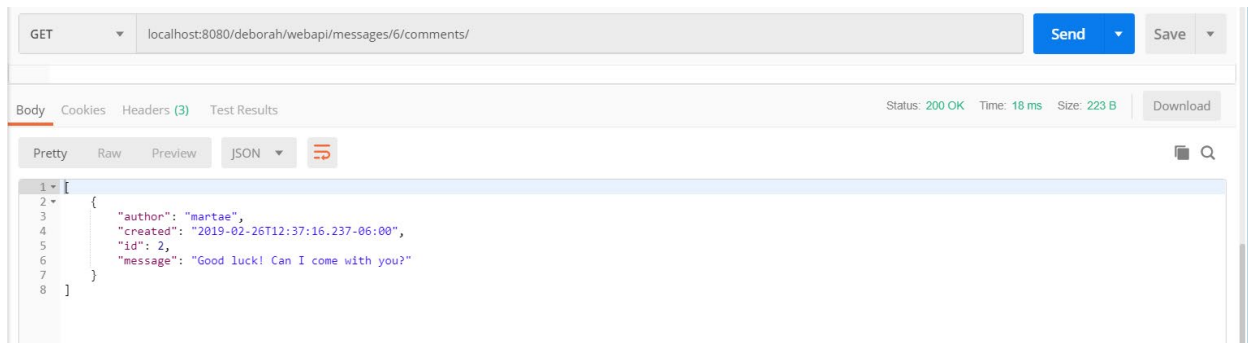
Pretty

Raw

Preview

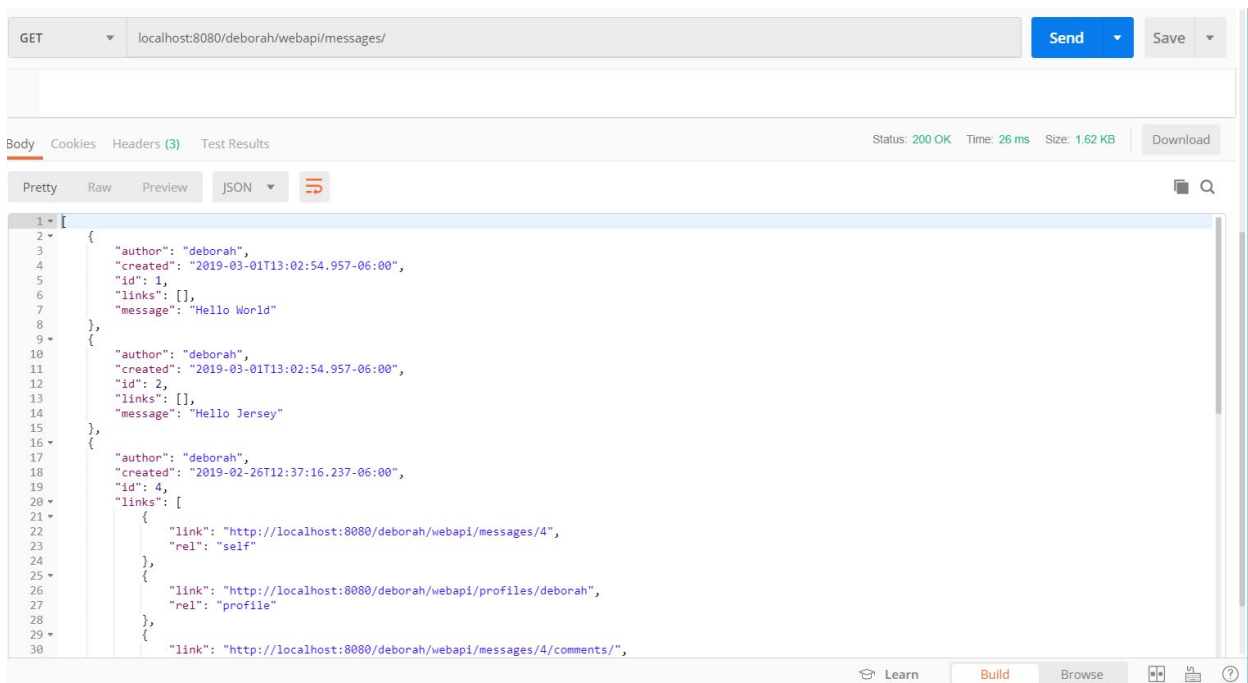
Auto

1



2. Also you should be able to display hyperlinks for authors, comments, messages using HATOE. Please provide necessary screenshots. (50 points)

* All screenshots must include URL, request type, response code, response result. Please submit your work either in MS word or PDF format.



GET localhost:8080/deborah/webapi/messages/ Send Save

Body Cookies Headers (3) Test Results Status: 200 OK Time: 26 ms Size: 1.62 KB Download

Pretty Raw Preview JSON

```
17  "author": "deborah",
18  "created": "2019-02-26T12:37:16.237-06:00",
19  "id": 4,
20  "links": [
21    {
22      "link": "http://localhost:8080/deborah/webapi/messages/4",
23      "rel": "self"
24    },
25    {
26      "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
27      "rel": "profile"
28    },
29    {
30      "link": "http://localhost:8080/deborah/webapi/messages/4/comments/",
31      "rel": "comments"
32    },
33    {
34      "link": "http://localhost:8080/deborah/webapi/messages/4",
35      "rel": "self"
36    },
37    {
38      "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
39      "rel": "profile"
40    },
41    {
42      "link": "http://localhost:8080/deborah/webapi/messages/4/comments/",
43      "rel": "comments"
44    }
45  ],
46  "message": "I'm graduating this semester."
```

GET localhost:8080/deborah/webapi/messages/ Send Save

Body Cookies Headers (3) Test Results Status: 200 OK Time: 26 ms Size: 1.62 KB Download

Pretty Raw Preview JSON

```
47  },
48  {
49    "author": "deborah",
50    "created": "2019-02-25T12:37:16.237-06:00",
51    "id": 5,
52    "links": [
53      {
54        "link": "http://localhost:8080/deborah/webapi/messages/5",
55        "rel": "self"
56      },
57      {
58        "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
59        "rel": "profile"
60      },
61      {
62        "link": "http://localhost:8080/deborah/webapi/messages/5/comments/",
63        "rel": "comments"
64      }
65    ],
66    "message": "Hello Illinois Tech Scarlet Hawks!"
67  },
68  {
69    "author": "deborah",
70    "created": "2019-02-24T12:37:16.237-06:00",
71    "id": 6,
72    "links": [
73      {
74        "link": "http://localhost:8080/deborah/webapi/messages/6",
75        "rel": "self"
76      }
77    ],
78  }
```

GET localhost:8080/deborah/webapi/messages/ Send Save

Body Cookies Headers (3) Test Results Status: 200 OK Time: 26 ms Size: 1.62 KB Download

Pretty Raw Preview JSON

```
53 {
54   "link": "http://localhost:8080/deborah/webapi/messages/5",
55   "rel": "self"
56 },
57 {
58   "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
59   "rel": "profile"
60 },
61 {
62   "link": "http://localhost:8080/deborah/webapi/messages/5/comments/",
63   "rel": "comments"
64 },
65 },
66 "message": "Hello Illinois Tech Scarlet Hawks!"
67 },
68 {
69   "author": "deborah",
70   "created": "2019-02-24T12:37:16.237-06:00",
71   "id": 6,
72   "links": [
73     {
74       "link": "http://localhost:8080/deborah/webapi/messages/6",
75       "rel": "self"
76     },
77     {
78       "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
79       "rel": "profile"
80     },
81     {
82       "link": "http://localhost:8080/deborah/webapi/messages/6/comments/",
83       "rel": "comments"
84     }
85   ],
86   "message": "I'm going to the career fair tomorrow."
87 }
```

GET localhost:8080/deborah/webapi/messages/4 Send Save

Body Cookies Headers (3) Test Results Status: 200 OK Time: 21 ms Size: 947 B Download

Pretty Raw Preview JSON

```
1 {
2   "author": "deborah",
3   "created": "2019-02-26T12:37:16.237-06:00",
4   "id": 4,
5   "links": [
6     {
7       "link": "http://localhost:8080/deborah/webapi/messages/4",
8       "rel": "self"
9     },
10    {
11      "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
12      "rel": "profile"
13    },
14    {
15      "link": "http://localhost:8080/deborah/webapi/messages/4/comments/",
16      "rel": "comments"
17    },
18    {
19      "link": "http://localhost:8080/deborah/webapi/messages/4",
20      "rel": "self"
21    },
22    {
23      "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
24      "rel": "profile"
25    },
26    {
27      "link": "http://localhost:8080/deborah/webapi/messages/4/comments/",
28      "rel": "comments"
29    },
30    {
31      "link": "http://localhost:8080/deborah/webapi/messages/4",
32      "rel": "self"
33    }
34  ],
35  "message": "I'm going to the career fair tomorrow."
36 }
```

GET localhost:8080/deborah/webapi/messages/4 Send Save

Body Cookies Headers (3) Test Results Status: 200 OK Time: 21 ms Size: 947 B Download

Pretty Raw Preview JSON

```
9    },
10   {
11     "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
12     "rel": "profile"
13   },
14   {
15     "link": "http://localhost:8080/deborah/webapi/messages/4/comments/",
16     "rel": "comments"
17   },
18   {
19     "link": "http://localhost:8080/deborah/webapi/messages/4",
20     "rel": "self"
21   },
22   {
23     "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
24     "rel": "profile"
25   },
26   {
27     "link": "http://localhost:8080/deborah/webapi/messages/4/comments/",
28     "rel": "comments"
29   },
30   {
31     "link": "http://localhost:8080/deborah/webapi/messages/4",
32     "rel": "self"
33   },
34   {
35     "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
36     "rel": "profile"
37   },
38   {
39     "link": "http://localhost:8080/deborah/webapi/messages/4/comments/",
40     "rel": "comments"
41   }
}
```

Learn Build Browse

GET localhost:8080/deborah/webapi/messages/5 Send Save

Body Cookies Headers (3) Test Results Status: 200 OK Time: 19 ms Size: 713 B Download

Pretty Raw Preview JSON

```
1  {
2    "author": "deborah",
3    "created": "2019-02-25T12:37:16.237-06:00",
4    "id": 5,
5    "links": [
6      {
7        "link": "http://localhost:8080/deborah/webapi/messages/5",
8        "rel": "self"
9      },
10     {
11       "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
12       "rel": "profile"
13     },
14     {
15       "link": "http://localhost:8080/deborah/webapi/messages/5/comments/",
16       "rel": "comments"
17     },
18     {
19       "link": "http://localhost:8080/deborah/webapi/messages/5",
20       "rel": "self"
21     },
22     {
23       "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
24       "rel": "profile"
25     },
26     {
27       "link": "http://localhost:8080/deborah/webapi/messages/5/comments/",
28       "rel": "comments"
29     }
30   ],
31   "message": "Hello Illinois Tech Scarlet Hawks!"
32 }
```

GETlocalhost:8080/deborah/webapi/messages/6

SendSave

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 7 msSize: 717 BDownload

PrettyRawPreviewJSON

```
1 {
2   "author": "deborah",
3   "created": "2019-02-24T12:37:16.237-06:00",
4   "id": 6,
5   "links": [
6     {
7       "link": "http://localhost:8080/deborah/webapi/messages/5",
8       "rel": "self"
9     },
10    {
11      "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
12      "rel": "profile"
13    },
14    {
15      "link": "http://localhost:8080/deborah/webapi/messages/6/comments/",
16      "rel": "comments"
17    },
18    {
19      "link": "http://localhost:8080/deborah/webapi/messages/5",
20      "rel": "self"
21    },
22    {
23      "link": "http://localhost:8080/deborah/webapi/profiles/deborah",
24      "rel": "profile"
25    },
26    {
27      "link": "http://localhost:8080/deborah/webapi/messages/6/comments/",
28      "rel": "comments"
29    }
30  ],
31   "message": "I'm going to the career fair tomorrow."
32 }
```

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