

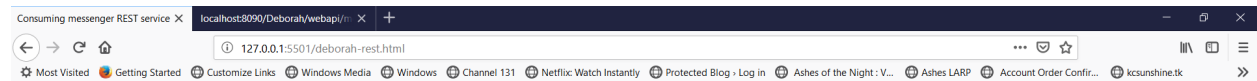
Deborah Barndt

ITMD 566 Service-Oriented Architectures

Professor Hosea Lee

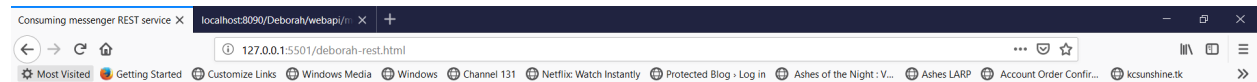
Consuming Service

4-19-19



In this example, I would like to display the output from the messenger REST service.

ID	Author	Message	Created	Links
1	Deborah	I'm graduating this semester!	Feb 2019	Self: http://localhost:8090/Deborah/webapi/messages/1, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/1/comments/
2	Deborah	This is neat	Feb 2019	Self: http://localhost:8090/Deborah/webapi/messages/2, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/2/comments/
3	Deborah	There's three more weeks of school.	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/3, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/3/comments/
4	Deborah	Easter is on Sunday.	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/4, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/4/comments/, Self: http://localhost:8090/Deborah/webapi/messages/4, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/4/comments/
5	Deborah	Hello World.	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/5, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/5/comments/
6	Deborah	Hello Illinois Tech. Go Scarlet Hawks!	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/6, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/6/comments/



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1	Deborah	I'm graduating this semester!	Feb 2019	Self: http://localhost:8090/Deborah/webapi/messages/1, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/1/comments/
2	Deborah	This is neat	Feb 2019	Self: http://localhost:8090/Deborah/webapi/messages/2, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/2/comments/, Self: http://localhost:8090/Deborah/webapi/messages/2, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/2/comments/
3	Deborah	There's three more weeks of school.	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/3, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/3/comments/
4	Deborah	Easter is on Sunday.	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/4, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/4/comments/, Self: http://localhost:8090/Deborah/webapi/messages/4, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/4/comments/
5	Deborah	Hello World.	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/5, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/5/comments/
6	Deborah	Hello Illinois Tech. Go Scarlet Hawks!	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/6, Profile: http://localhost:8090/Deborah/webapi/profiles/Deborah, Comments: http://localhost:8090/Deborah/webapi/messages/6/comments/
7	scott	Go SAT!	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/7, Profile: http://localhost:8090/Deborah/webapi/profiles/scott, Comments: http://localhost:8090/Deborah/webapi/messages/7/comments/
8	martae	What's up!	Apr 2019	Self: http://localhost:8090/Deborah/webapi/messages/8, Profile: http://localhost:8090/Deborah/webapi/profiles/martae, Comments: http://localhost:8090/Deborah/webapi/messages/8/comments/

Consuming messenger REST service X localhost:8090/Deborah/webapi/ X +

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JSON Raw Data Headers

Save Copy Collapse All Expand All Filter JSON

```
▼ 0:
  author: "Deborah"
  created: "2019-02-26T12:37:16.237-06:00"
  id: 1
  links:
    ▼ 0:
      rel: "Self"
      uri: "http://localhost:8090/Deborah/webapi/messages/1"
    ▼ 1:
      rel: "Profile"
      uri: "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    ▼ 2:
      rel: "Comments"
      uri: "http://localhost:8090/Deborah/webapi/messages/1/comments/"
  message: "I'm graduating this semester!"
▼ 1:
  author: "Deborah"
  created: "2019-02-28T12:37:16.237-06:00"
  id: 2
  links:
    ▼ 0:
      rel: "Self"
      uri: "http://localhost:8090/Deborah/webapi/messages/2"
    ▼ 1:
      rel: "Profile"
      uri: "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    ▼ 2:
      rel: "Comments"
      uri: "http://localhost:8090/Deborah/webapi/messages/2/comments/"
  message: "This is neat"
▼ 2:
  author: "Deborah"
  created: "2019-04-19T13:37:16.237-05:00"
  id: 3
  links:
    ▼ 0:
      rel: "Self"
      uri: "http://localhost:8090/Deborah/webapi/messages/3"
    ▼ 1:
      rel: "Profile"
      uri: "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    ▼ 2:
      rel: "Comments"
      uri: "http://localhost:8090/Deborah/webapi/messages/3/comments/"
  message: "There's three more weeks of school."
```

11:28 PM

Consuming messenger REST service X localhost:8090/Deborah/webapi/ X +

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```
▼ 2:
  author: "Deborah"
  created: "2019-04-19T13:37:16.237-05:00"
  id: 3
  links:
    ▼ 0:
      rel: "Self"
      uri: "http://localhost:8090/Deborah/webapi/messages/3"
    ▼ 1:
      rel: "Profile"
      uri: "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    ▼ 2:
      rel: "Comments"
      uri: "http://localhost:8090/Deborah/webapi/messages/3/comments/"
  message: "There's three more weeks of school."
▼ 3:
  author: "Deborah"
  created: "2019-04-19T13:37:16.237-05:00"
  id: 4
  links:
    ▼ 0:
      rel: "Self"
      uri: "http://localhost:8090/Deborah/webapi/messages/4"
    ▼ 1:
      rel: "Profile"
      uri: "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    ▼ 2:
      rel: "Comments"
      uri: "http://localhost:8090/Deborah/webapi/messages/4/comments/"
    ▼ 3:
      rel: "Self"
      uri: "http://localhost:8090/Deborah/webapi/messages/4"
    ▼ 4:
      rel: "Profile"
      uri: "http://localhost:8090/Deborah/webapi/profiles/Deborah"
```

11:28 PM

Consuming messenger REST service X localhost:8090/Deborah/webapi/ X +

localhost:8090/Deborah/webapi/messages

JSON Raw Data Headers

Save Copy Collapse All Expand All Filter JSON

```

{
  "4": {
    "rel": "Profile",
    "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"
  },
  "5": {
    "rel": "Comments",
    "url": "http://localhost:8090/Deborah/webapi/messages/4/comments/"
  },
  "message": "Easter is on Sunday."
},
{
  "author": "Deborah",
  "created": "2019-04-19T13:37:16.237-05:00",
  "id": 5,
  "links": {
    "0": {
      "rel": "Self",
      "url": "http://localhost:8090/Deborah/webapi/messages/5"
    },
    "1": {
      "rel": "Profile",
      "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    },
    "2": {
      "rel": "Comments",
      "url": "http://localhost:8090/Deborah/webapi/messages/5/comments/"
    }
  },
  "message": "Hello World."
},
{
  "author": "Deborah",
  "created": "2019-04-19T13:37:16.237-05:00",
  "id": 6,
  "links": {
    "0": {
      "rel": "Self",
      "url": "http://localhost:8090/Deborah/webapi/messages/6"
    },
    "1": {
      "rel": "Profile",
      "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    },
    "2": {
      "rel": "Comments",
      "url": "http://localhost:8090/Deborah/webapi/messages/6/comments/"
    }
  }
}

```

Consuming messenger REST service X localhost:8090/Deborah/webapi/ X +

localhost:8090/Deborah/webapi/messages

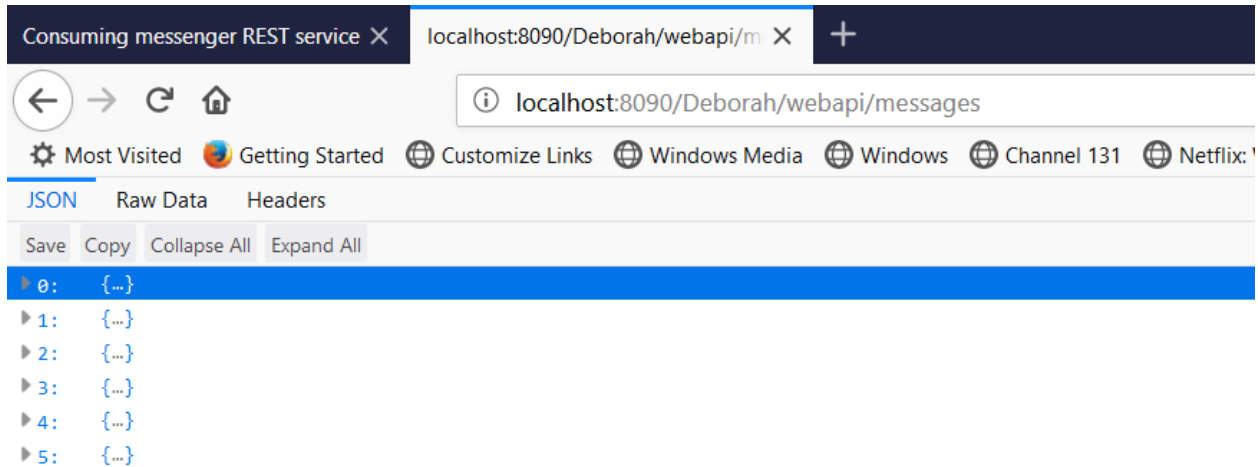
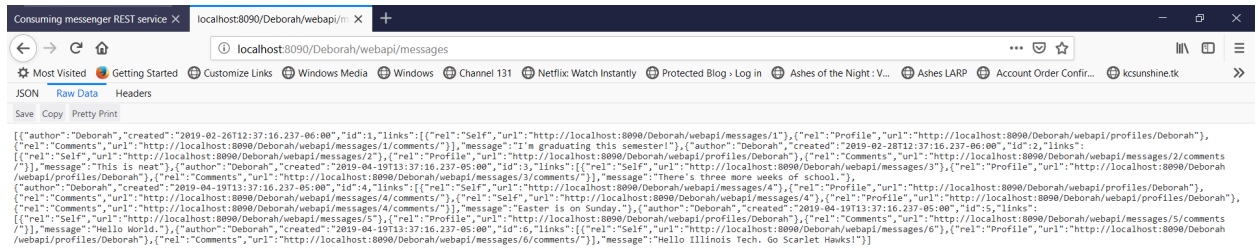
JSON Raw Data Headers

Save Copy Collapse All Expand All Filter JSON

```

{
  "5": {
    "rel": "Profile",
    "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"
  },
  "Comments": {
    "url": "http://localhost:8090/Deborah/webapi/messages/4/comments/"
  },
  "message": "Easter is on Sunday."
},
{
  "author": "Deborah",
  "created": "2019-04-19T13:37:16.237-05:00",
  "id": 5,
  "links": {
    "0": {
      "rel": "Self",
      "url": "http://localhost:8090/Deborah/webapi/messages/5"
    },
    "1": {
      "rel": "Profile",
      "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    },
    "2": {
      "rel": "Comments",
      "url": "http://localhost:8090/Deborah/webapi/messages/5/comments/"
    }
  },
  "message": "Hello World."
},
{
  "author": "Deborah",
  "created": "2019-04-19T13:37:16.237-05:00",
  "id": 6,
  "links": {
    "0": {
      "rel": "Self",
      "url": "http://localhost:8090/Deborah/webapi/messages/6"
    },
    "1": {
      "rel": "Profile",
      "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"
    },
    "2": {
      "rel": "Comments",
      "url": "http://localhost:8090/Deborah/webapi/messages/6/comments/"
    }
  },
  "message": "Hello Illinois Tech. Go Scarlet Hawks!"
}

```



Consuming messenger REST service

localhost:8090/Deborah/webapi/m

+

localhost:8090/Deborah/webapi/messages

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P

JSON

Raw Data

Headers

Save

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Expand All

rel: "Profile"

url: "http://localhost:8090/Deborah/webapi/profiles/Deborah"

2:

rel: "Comments"

url: "http://localhost:8090/Deborah/webapi/messages/6/comments/"

message: "Hello Illinois Tech. Go Scarlet Hawks!"

6:

author: "scott"

created: "2019-04-19T13:37:16.237-05:00"

id: 7

links:

0:

rel: "Self"

url: "http://localhost:8090/Deborah/webapi/messages/7"

1:

rel: "Profile"

url: "http://localhost:8090/Deborah/webapi/profiles/scott"

2:

rel: "Comments"

url: "http://localhost:8090/Deborah/webapi/messages/7/comments/"

message: "Go SAT!"

7:

author: "martae"

created: "2019-04-19T13:37:16.237-05:00"

id: 8

links:

0:

rel: "Self"

url: "http://localhost:8090/Deborah/webapi/messages/8"

1:

rel: "Profile"

url: "http://localhost:8090/Deborah/webapi/profiles/martae"

2:

rel: "Comments"

url: "http://localhost:8090/Deborah/webapi/messages/8/comments/"

message: "What's up!"

Consuming messenger REST service

localhost:8090/Deborah/webapi/m

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>>

JSON

Raw Data

Headers

Save

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Pretty Print

```
[{"author": "Deborah", "created": "2019-02-26T12:37:16.237-06:00", "id": 1, "links": [{"rel": "Self", "url": "http://localhost:8090/Deborah/webapi/messages/1"}, {"rel": "Profile", "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"}, {"rel": "Comments", "url": "http://localhost:8090/Deborah/webapi/messages/1/comments"}], "message": "I'm graduating this semester!"}, {"author": "Deborah", "created": "2019-02-28T12:37:16.237-06:00", "id": 2, "links": [{"rel": "Self", "url": "http://localhost:8090/Deborah/webapi/messages/2"}, {"rel": "Profile", "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"}, {"rel": "Comments", "url": "http://localhost:8090/Deborah/webapi/messages/2/comments"}], "message": "This is neat!"}, {"author": "Deborah", "created": "2019-04-19T13:37:16.237-05:00", "id": 3, "links": [{"rel": "Self", "url": "http://localhost:8090/Deborah/webapi/messages/3"}, {"rel": "Profile", "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"}, {"rel": "Comments", "url": "http://localhost:8090/Deborah/webapi/messages/3/comments"}], "message": "There's three more weeks of school."}, {"author": "Deborah", "created": "2019-04-19T13:37:16.237-05:00", "id": 4, "links": [{"rel": "Self", "url": "http://localhost:8090/Deborah/webapi/messages/4"}, {"rel": "Profile", "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"}, {"rel": "Comments", "url": "http://localhost:8090/Deborah/webapi/messages/4/comments"}], "message": "Easter is on Sunday."}, {"author": "Deborah", "created": "2019-04-19T13:37:16.237-05:00", "id": 5, "links": [{"rel": "Self", "url": "http://localhost:8090/Deborah/webapi/messages/5"}, {"rel": "Profile", "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"}, {"rel": "Comments", "url": "http://localhost:8090/Deborah/webapi/messages/5/comments"}], "message": "Hello World!"}, {"author": "Deborah", "created": "2019-04-19T13:37:16.237-05:00", "id": 6, "links": [{"rel": "Self", "url": "http://localhost:8090/Deborah/webapi/messages/6"}, {"rel": "Profile", "url": "http://localhost:8090/Deborah/webapi/profiles/Deborah"}, {"rel": "Comments", "url": "http://localhost:8090/Deborah/webapi/messages/6/comments"}], "message": "Hello Illinois Tech. Go Scarlet Hawks!"}, {"author": "scott", "created": "2019-04-19T13:37:16.237-05:00", "id": 7, "links": [{"rel": "Self", "url": "http://localhost:8090/Deborah/webapi/messages/7"}, {"rel": "Profile", "url": "http://localhost:8090/Deborah/webapi/profiles/scott"}, {"rel": "Comments", "url": "http://localhost:8090/Deborah/webapi/messages/7/comments"}], "message": "Go SAT!"}, {"author": "martae", "created": "2019-04-19T13:37:16.237-05:00", "id": 8, "links": [{"rel": "Self", "url": "http://localhost:8090/Deborah/webapi/messages/8"}, {"rel": "Profile", "url": "http://localhost:8090/Deborah/webapi/profiles/martae"}, {"rel": "Comments", "url": "http://localhost:8090/Deborah/webapi/messages/8/comments"}], "message": "What's up!"}]
```