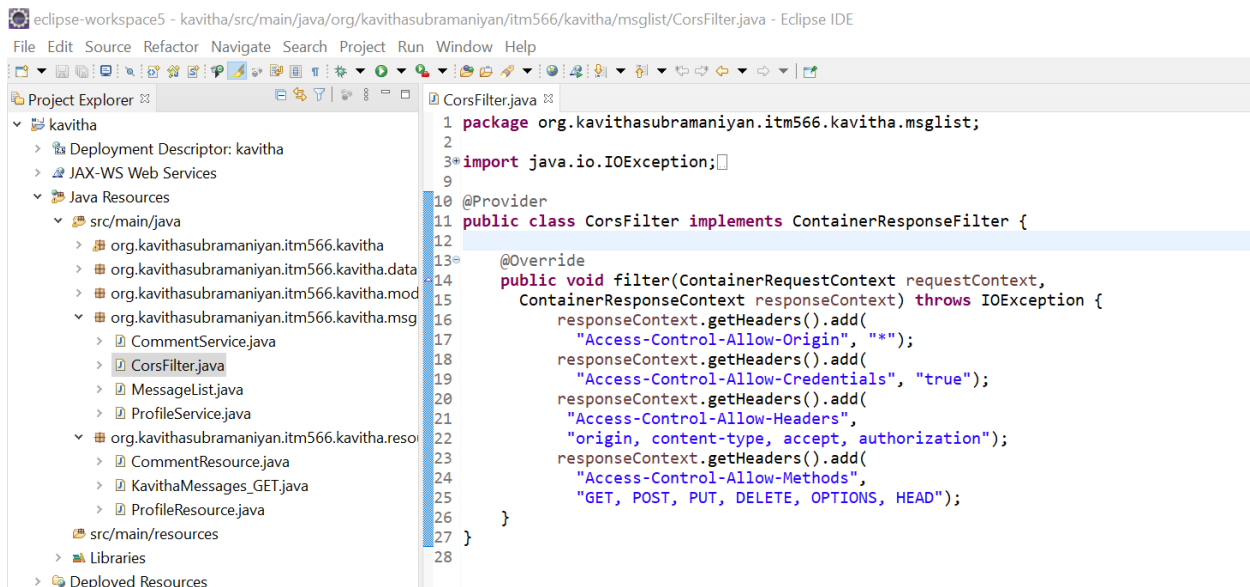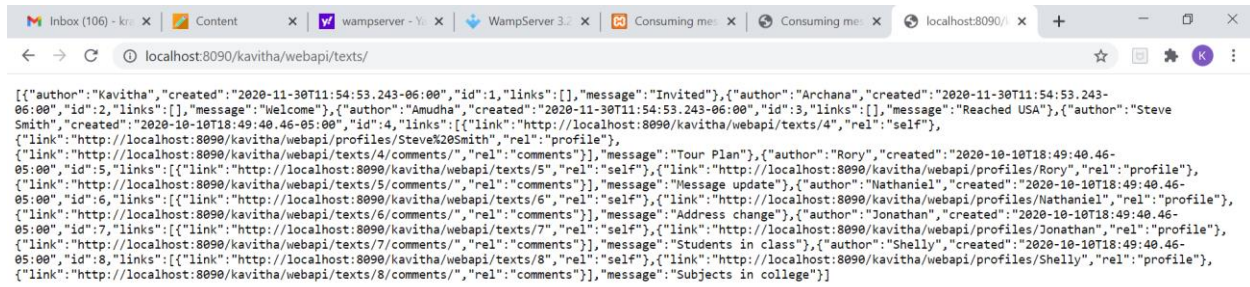1.Take a screenshot of message service in a browser (minimum 5 messages) including links. Your screenshot must include URLs.

port 8090 for JAX-RS Tomcat

[{"author":"Kavitha","created":"2020-11-30T11:54:53.243-06:00","id":1,"links":[],"message":"Invited"},{"author":"Archana","created":"2020-11-30T11:54:53.243-06:00","id":2,"links":[],"message":"Welcome"},{"author":"Amudha","created":"2020-11-30T11:54:53.243-06:00","id":3,"links":[],"message":"Reached USA"},{"author":"Steve Smith","created":"2020-10-10T18:49:40.46-05:00","id":4,"links":[{"link":"http://localhost:8090/kavitha/webapi/texts/4","rel":"self"},{"link":"http://localhost:8090/kavitha/webapi/profiles/Steve%20Smith","rel":"profile"},{"link":"http://localhost:8090/kavitha/webapi/texts/4/comments/","rel":"comments"}],"message":"Tour Plan"},{"author":"Rory","created":"2020-10-10T18:49:40.46-05:00","id":5,"links":[{"link":"http://localhost:8090/kavitha/webapi/texts/5","rel":"self"},{"link":"http://localhost:8090/kavitha/webapi/profiles/Rory","rel":"profile"},{"link":"http://localhost:8090/kavitha/webapi/texts/5/comments/","rel":"comments"}],"message":"Message update"},{"author":"Nathaniel","created":"2020-10-10T18:49:40.46-05:00","id":6,"links":[{"link":"http://localhost:8090/kavitha/webapi/texts/6","rel":"self"},{"link":"http://localhost:8090/kavitha/webapi/profiles/Nathaniel","rel":"profile"},{"link":"http://localhost:8090/kavitha/webapi/texts/6/comments/","rel":"comments"}],"message":"Address change"},{"author":"Jonathan","created":"2020-10-10T18:49:40.46-05:00","id":7,"links":[{"link":"http://localhost:8090/kavitha/webapi/texts/7","rel":"self"},{"link":"http://localhost:8090/kavitha/webapi/profiles/Jonathan","rel":"profile"},{"link":"http://localhost:8090/kavitha/webapi/texts/7/comments/","rel":"comments"}],"message":"Students in class"},{"author":"Shelly","created":"2020-10-10T18:49:40.46-05:00","id":8,"links":[{"link":"http://localhost:8090/kavitha/webapi/texts/8","rel":"self"},{"link":"http://localhost:8090/kavitha/webapi/profiles/Shelly","rel":"profile"},{"link":"http://localhost:8090/kavitha/webapi/texts/8/comments/","rel":"comments"}],"message":"Subjects in college"}]

eclipse-workspace5 - kavitha/src/main/java/org/kavithasubramaniyan/itm566/kavitha/msglist/CorsFilter.java - Eclipse IDE

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Project Explorer

```
kavitha
  Deployment Descriptor: kavitha
  JAX-WS Web Services
  Java Resources
    src/main/java
      org.kavithasubramaniyan.itm566.kavitha
      org.kavithasubramaniyan.itm566.kavitha.data
      org.kavithasubramaniyan.itm566.kavitha.mod
      org.kavithasubramaniyan.itm566.kavitha.msg
        CommentService.java
        CorsFilter.java
        MessageList.java
        ProfileService.java
      org.kavithasubramaniyan.itm566.kavitha.reso
        CommentResource.java
        KavithaMessages_GET.java
        ProfileResource.java
    src/main/resources
    Libraries
  Deployed Resources
```

CorsFilter.java

```java
1  package org.kavithasubramaniyan.itm566.kavitha.msglist;
2
3  import java.io.IOException;
9
10 @Provider
11 public class CorsFilter implements ContainerResponseFilter {
12
13     @Override
14     public void filter(ContainerRequestContext requestContext,
15       ContainerResponseContext responseContext) throws IOException {
16         responseContext.getHeaders().add(
17           "Access-Control-Allow-Origin", "*");
18         responseContext.getHeaders().add(
19           "Access-Control-Allow-Credentials", "true");
20         responseContext.getHeaders().add(
21           "Access-Control-Allow-Headers",
22           "origin, content-type, accept, authorization");
23         responseContext.getHeaders().add(
24           "Access-Control-Allow-Methods",
25           "GET, POST, PUT, DELETE, OPTIONS, HEAD");
26     }
27 }
28
```

2. Take a screenshot of FooTable display including ID, author, message, dates, and links // displaying links is for extra credit.

Using (XAMPP)Apache server and retrieving it.

Name	Last modified	Size	Description
Parent Directory		-	
Kavitha-rest.html	2020-11-30 11:25	1.7K	
css/	2020-11-25 12:40	-	
js/	2020-11-25 12:40	-	

Apache/2.4.46 (Win64) OpenSSL/1.1.1g PHP/7.4.10 Server at localhost Port 80

First 3 Ids no links and from id-4 to 8,links are displayed.

```html
<!-- Add in any FooTable dependencies we may need -->
<script src="http://cdnjs.cloudflare.com/ajax/libs/moment.js/2.10.3/moment.min.js"></script>
<!-- Add in FooTable itself -->
<script src="js/footable.min.js"></script>
<script src="js/footable.js"></script>
<script type="text/javascript">

jQuery(function($){
    $('.table').footable({
        "columns": [
    {"name":"id","title":"ID","breakpoints":"xs sm","type":"number","style":{"width":80,"maxWidth":80}},
    {"name":"author","title":"Author"},
    {"name":"message","title":"Message"},
    {"name":"created","title":"Created"},
    {"name":"links","title":"Links", "type": "array",
    "formatter": function(links)
            {
                if (links !== null)
                {
                    var result = "";
                    for (var i = 0; i < links.length; i++)
                    {
                        result += '<a href="'+links[i].link+'">'+links[i].rel+'</a>\n';
                        //result += links[i].link + " ";
                    }
                    return result;
                }
                return "";
            }
    }
],
        "rows": $.get('http://localhost:8090/kavitha/webapi/texts')
    });
});
</script>
</html>
```

Commenting the line highlighted in green in above screenshot.

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

ID	Author	Message	Created	Links
1	Kavitha	Invited	2020-11-30T11:51:42.974-06:00	
2	Archana	Welcome	2020-11-30T11:51:42.974-06:00	
3	Amudha	Reached USA	2020-11-30T11:51:42.974-06:00	
4	Steve Smith	Tour Plan	2020-10-10T18:49:40.46-05:00	self profile comments
5	Rory	Message update	2020-10-10T18:49:40.46-05:00	self profile comments
6	Nathaniel	Address change	2020-10-10T18:49:40.46-05:00	self profile comments
7	Jonathan	Students in class	2020-10-10T18:49:40.46-05:00	self profile comments
8	Shelly	Subjects in college	2020-10-10T18:49:40.46-05:00	self profile comments

Displaying the comments on clicking 'comments' hyperlink:

localhost:8090/kavitha/webapi/texts/4/comments/

[{"author":"Steve Smith","id":1,"message":"Tour in chicago"},{"author":"Steve Smith","id":2,"message":"Tour in Texas"}]

Executing .html file directly from windows machine:

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

ID	Author	Message	Created	Links
1	Kavitha	Invited	2020-11-30T11:51:36.005-06:00	
2	Archana	Welcome	2020-11-30T11:51:36.005-06:00	
3	Amudha	Reached USA	2020-11-30T11:51:36.005-06:00	
4	Steve Smith	Tour Plan	2020-10-10T18:49:40.46-05:00	self profile comments
5	Rory	Message update	2020-10-10T18:49:40.46-05:00	self profile comments
6	Nathaniel	Address change	2020-10-10T18:49:40.46-05:00	self profile comments
7	Jonathan	Students in class	2020-10-10T18:49:40.46-05:00	self profile comments
8	Shelly	Subjects in college	2020-10-10T18:49:40.46-05:00	self profile comments

Getting full records from POSTMAN client:
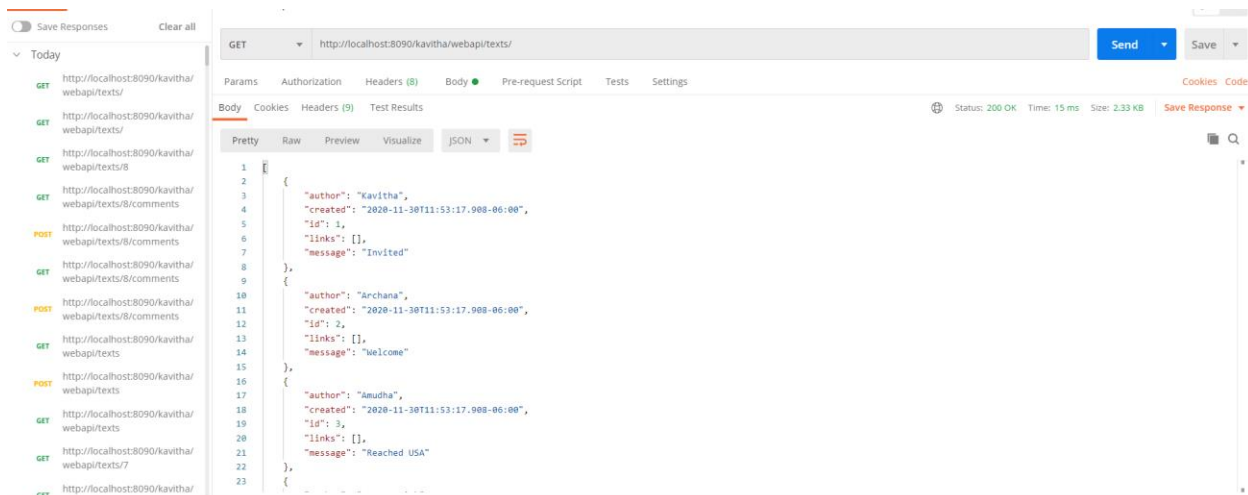
Attached the .json response file from GET request .

Assignment7_Full_list
.json

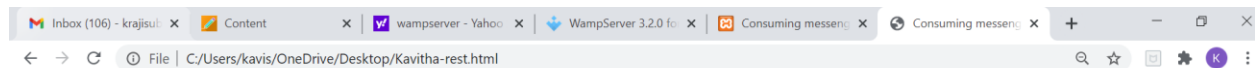3.Displaying link in the other way.(From apache server)

```html
<!-- Add in any FooTable dependencies we may need -->
<script src="http://cdnjs.cloudflare.com/ajax/libs/moment.js/2.10.3/moment.min.js"></script>
<!-- Add in FooTable itself -->
<script src="js/footable.min.js"></script>
<script src="js/footable.js"></script>
<script type="text/javascript">

jQuery(function($){
    $('.table').footable({
        "columns": [
    {"name":"id","title":"ID","breakpoints":"xs sm","type":"number","style":{"width":80,"maxWidth":80}},
    {"name":"author","title":"Author"},
    {"name":"message","title":"Message"},
    {"name":"created","title":"Created"},
    {"name":"links","title":"Links", "type": "array",
    "formatter": function(links)
            {
                if (links !== null)
                {
                    var result = "";
                    for (var i = 0; i < links.length; i++)
                    {
                        //result += '<a href="'+links[i].link+'">'+links[i].rel+'</a>\n';
                        result += links[i].link + " ";
                    }
                    return result;
                }
                return "";
            }
    }
],
        "rows": $.get('http://localhost:8090/kavitha/webapi/texts')
    });
});
</script>
</html>
```

By commenting the line highlighted in green in above screenshot.

From directly executing the .html file in windows machine.