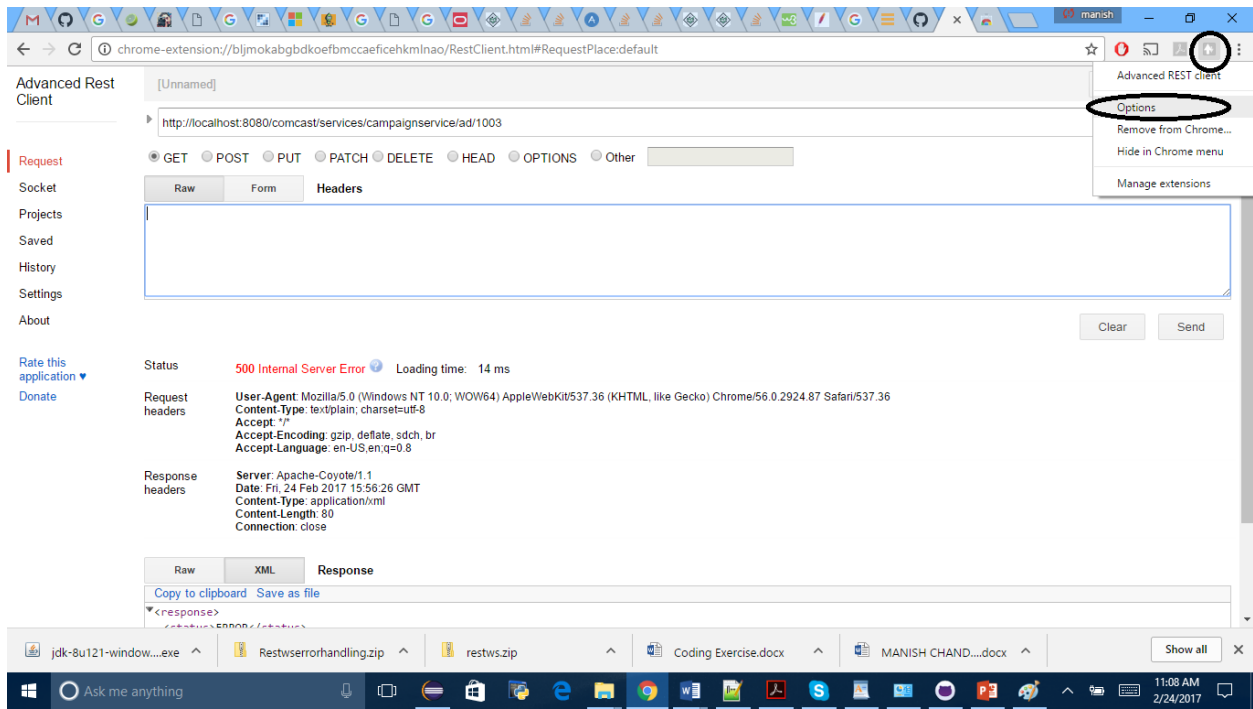


## Comcast Web Service

Steps to follow to run to web service.

1. Install the “Advanced REST Client” plugin in google chrome.
  2. Import the project as Maven project from Github @ <https://github.com/manishchandra1801/comcast> in Eclipse
  3. Set project runtime to Tomcat 8.0 in Eclipse.
  4. Update maven project and add maven dependencies in Eclipse
  5. Run on Tomcat Server using Eclipse.
4. Now open the “Advanced REST Client” in google chrome by clicking on “options”



6. Now enter the following URL:

<http://localhost:8080/comcast/services/campaignservice/ad>

-Select POST

-send this data

\*\*\*\*\*

<Campaign>

<partner\_id>1000</partner\_id>

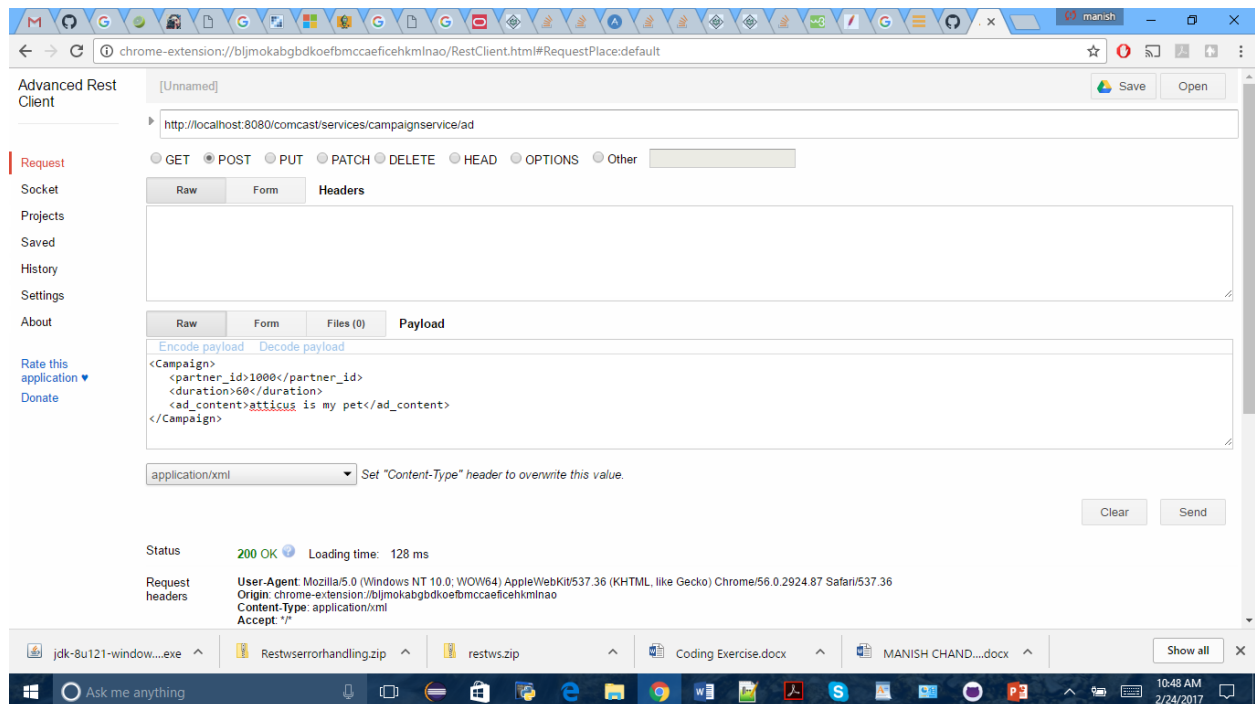
<duration>60</duration>

<ad\_content>Atticus is my pet</ad\_content>

</Campaign>

\*\*\*\*\*

-Hit "Send"



7. Now enter the following URL:

<http://localhost:8080/comcast/services/campaignservice/ad/1000>

-Depending on the time constrain the corresponding output is displayed.

## -Before Timeout:

The screenshot shows the Advanced Rest Client application in a web browser. The URL bar displays the address: `chrome-extension://bljmokabgbdkoefbmccaeicehkmnao/RestClient.html#RequestPlace:default`. The interface includes a sidebar with navigation options: Request, Socket, Projects, Saved, History, Settings, and About. The main area shows a request configuration for the endpoint `http://localhost:8080/comcast/services/campaignservice/ad/1003` using the GET method. The 'Raw' tab is selected for the request body. The response section shows a status of '200 OK' with a loading time of 13 ms. The request headers are: `User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36`, `Content-Type: text/plain; charset=utf-8`, `Accept: */*`, `Accept-Encoding: gzip, deflate, sdch, br`, and `Accept-Language: en-US,en;q=0.8`. The response headers are: `Server: Apache-Coyote/1.1`, `Date: Fri, 24 Feb 2017 15:55:31 GMT`, `Content-Type: application/xml`, and `Content-Length: 266`. The response body is displayed in the 'Raw' tab as an XML document: `<?xml version="1.0" encoding="UTF-8" standalone="yes" ?><Campaign>`. The taskbar at the bottom shows several open applications, including a Java IDE, a REST client, and various documents.

This screenshot shows the same Advanced Rest Client interface, but with the 'XML' tab selected for the response body. The XML content is displayed as follows: 

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<Campaign>
  <ad_content>atticus is my cuteest dog</ad_content>
  <campaign_id>4</campaign_id>
  <creation_time>2017-02-24T10:56:18.007-05:00</creation_time>
  <duration>60</duration>
  <partner_id>1003</partner_id>
</Campaign>
```

 The sidebar and request configuration remain the same as in the previous screenshot. The taskbar at the bottom is also visible, showing the same set of open applications.

## -After Timeout:

The screenshot shows the Advanced Rest Client interface. The URL bar contains the address: `chrome-extension://bljmokabgdbkoeofbmccaefcehkmniao/RestClient.html#RequestPlace:default`. The URL field is set to `http://localhost:8080/comcast/services/campaignservice/ad/1003`. The request method is `GET`. The request headers are empty. The response status is `500 Internal Server Error` with a loading time of 14 ms. The response headers are: `User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36`, `Content-Type: text/plain; charset=utf-8`, `Accept: */*`, `Accept-Encoding: gzip, deflate, sdch, br`, and `Accept-Language: en-US,en;q=0.8`. The response body is empty. The response headers are: `Server: Apache-Coyote/1.1`, `Date: Fri, 24 Feb 2017 15:56:26 GMT`, `Content-Type: application/xml`, `Content-Length: 80`, and `Connection: close`. The response body is empty.

The screenshot shows the Advanced Rest Client interface. The URL bar contains the address: `chrome-extension://bljmokabgdbkoeofbmccaefcehkmniao/RestClient.html#RequestPlace:default`. The URL field is set to `http://localhost:8080/comcast/services/campaignservice/ad/1003`. The request method is `GET`. The request headers are empty. The response status is `500 Internal Server Error` with a loading time of 14 ms. The response headers are: `User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36`, `Content-Type: text/plain; charset=utf-8`, `Accept: */*`, `Accept-Encoding: gzip, deflate, sdch, br`, and `Accept-Language: en-US,en;q=0.8`. The response body is: `<?xml version='1.0' encoding='UTF-8'><status>ERROR</status><message>No active campaign</message></response>`. The response headers are: `Server: Apache-Coyote/1.1`, `Date: Fri, 24 Feb 2017 15:56:26 GMT`, `Content-Type: application/xml`, `Content-Length: 80`, and `Connection: close`.

**Note :**

- 1.** no bonus question was answered.
- 2.** XML request object and XML response was used(Not json).