Course: Com S 319

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REST (Representational State Transfer): REST Architecture/API is the process of how two computers will transfer data to each other. REST is used in almost every computer and mobile devices to transfer data and send data. This is a set of architecture design processes for web-based APIs.

API (Application Programming Interface): API is a defined rules that must be followed to communicate with other software programs. Basically, This is a blue print on how to connect and communicate with other software programs.

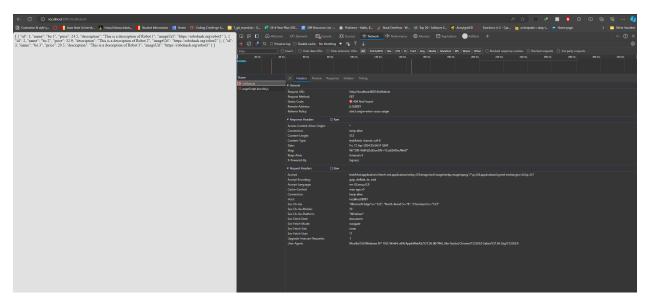
```
PS C:\Users\bohte\OneDrive\Desktop\sp24\coms319\319\activity13> curl -v localhost:8081
 Trying [::1]:8081...
* Connected to localhost (::1) port 8081
> GET / HTTP/1.1
> Host: localhost:8081
> User-Agent: curl/8.4.0 
> Accept: */*
< HTTP/1.1 404 Not Found
< X-Powered-By: Express
< Access-Control-Allow-Origin: *
< Content-Security-Policy: default-src 'none'
< X-Content-Type-Options: nosniff
< Content-Type: text/html; charset=utf-8</pre>
< Content-Length: 139
< Date: Fri, 12 Apr 2024 04:55:05 GMT
< Connection: keep-alive
< Keep-Alive: timeout=5</pre>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Error</title>
</head>
Cannot GET /
</body>
</html>
* Connection #0 to host localhost left intact
PS C:\Users\bohte\OneDrive\Desktop\sp24\coms319\319\activity13>
```

This connection was made because the path wasn't fully put. The path is localhost:8081/listRobots.

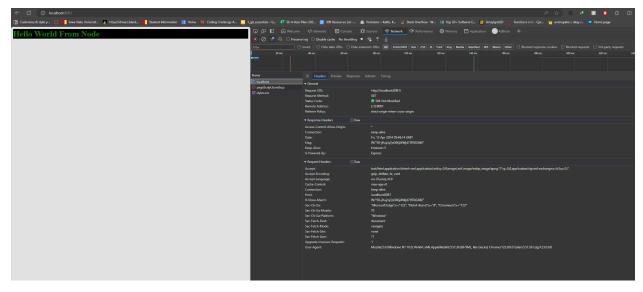
The request line is GET/ HTTP/1.1 and 200 which means it was successful.

The response line is HTTP/1.1 200 OK which mean it was successful. Also for the content type it shows text/html. While for the body, it gives out the whole JSON format.

This shows 404 in the response type which means it was unsuccessful even though it went through. This was due to me changing the status response to 404 even though it was successful.



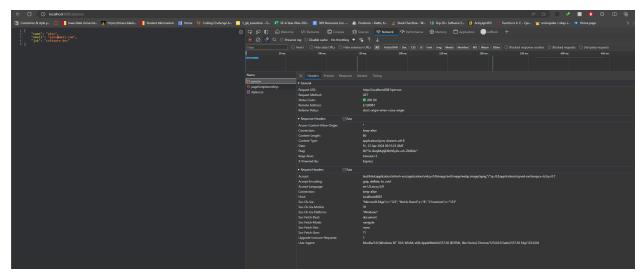
This shows an error since the response type of 400 means it wasn't successful. Even though it was showing the content it thinks it's an error.



This time the response is made to show an html form which says hello world.

The response is green because it's type 200 which means successful.

```
PS C:\Users\bohte\OneDrive\Desktop\sp24\coms319\319\activity13> \column{2}{curl} - \lor localhost:8081/person \end{2}
    Trying [::1]:8081...
* Connected to localhost (::1) port 8081
> GET /person HTTP/1.1
> Host: localhost:8081
> User-Agent: curl/8.4.0
> Accept: */*
< HTTP/1.1 200 OK
< X-Powered-By: Express
< Access-Control-Allow-Origin: *
< Content-Type: application/json; charset=utf-8</pre>
< Content-Length: 60</pre>
< ETag: W/"3c-BeqiMqtijU9zNSyXx+uf+ZbBKAc"</pre>
< Date: Fri, 12 Apr 2024 05:51:11 GMT
< Connection: keep-alive
< Keep-Alive: timeout=5
{"name":"alex,"email":"alex@mail.com","job":"software dev"}* Connection #0 to host localhost left intact PS C:\Users\bohte\OneOrive\Desktop\sp24\coms319\319\activity13>
```



This time the response is also type HTTP/1.1 with response type 200 which means successful.

This time the response is giving back a person object. The web browser network section is also showing successful and that it worked successfully as well as showing the JSON format output.