

ENSF381 – Lab09

Section: L03

Date: 2024-03-20

Created by:		
First name	Last name	UCID
Hongwoo	Yoon	30113779
Steve(Hyunmyung)	Park	30067689

2.1.1

Header: contains information related to some authentication data, and browser type.

Endpoint: The URL of the API endpoint.

Body: Contains data that needs to be sent to the server.

Method: Indicates the HTTP method used(GET, POST, PUT, DELETE, etc..)

Ref: D2L, ENSF 381 L03, Content, Week10, ENSF381_w10_1.

Headers	
Method	Endpoint
Body	

2.1.2

Headers (Line 3-5): Specifies the format of the data being sent (text/html, application/json), and the size of the response body in bytes.

Status Code (Line 1): a three-digit numeric code indicating the outcome of the request.

Headers	
Status Code	
Body	

1XX	Informational
100	Continue
101	Switching Protocols
102	Processing

2XX	Success
200	OK
201	Created
204	No content

3XX	Redirection
301	Moved Permanently
302	Found
304	Not Modified

4XX	Client Error
400	Bad Request
401	Unauthorized
404	Not Found

5XX	Server Error
500	Internal Server Error
502	Bad Gateway
503	Service Unavailable

Body (Line 7-11): Contains the actual data or resource requested by the client.

HTTP/1.1 200 OK
Date: Mon, 20 Dec 2021 12:30:00 GMT
Server: Apache/2.2.14(Win32)
Connection-Type: text/html
<html>
<body>
<h1>Hello, Word!</h1>
</body>
</html>

Ref: <https://www.geeksforgeeks.org/state-the-core-components-of-an-http-response/>

Ref: <https://developer.mozilla.org/en-US/docs/Web/HTTP/Status>

2.1.3

CURD represents the basic operations that can be performed on data in database or a persistent storage system.

CURD	HTTP Method
Create	POST
Read	GET
Update	PUT
Delete	DELETE

The CURD operations are significant to web application development since it provides standard ways to manipulate resources on a server. It makes easier to understand different web APIs.

Ref: D2L, ENSF 381 L03, Content, Week10, ENSF381_w10_1.

3.6.1

```
C:\Users\User\Desktop\ENSF381\Lab9>python --version
Python 3.12.2
```

3.6.2

```
C:\Users\User\Desktop\ENSF381\Lab9>C:/Python312/python.exe c:/Users/User/Desktop/ENSF381/Lab9/ex3.py
Hello, World!
```

4.3.6.2

```
C:\Users\User\Desktop\ENSF381\Lab9>C:\Python312\python.exe c:/Users/User/Desktop/ENSF381/Lab9/lab9_exe_C.py
Choose an option:
1. List all products
2. Search for a product
3. Exit
1
Name: iPhone 9

Name: iPhone X

Name: Samsung Universe 9

Name: OPPO F19

Name: Huawei P30

Name: MacBook Pro

Name: Samsung Galaxy Book

Name: Microsoft Surface Laptop 4

Name: Infinix INBOOK

Name: HP Pavilion 15-DK1056WM

Name: perfume Oil

Name: Brown Perfume

Name: Fog Scent Xpressio Perfume

Name: Non-Alcoholic Concentrated Perfume Oil

Name: Eau De Perfume Spray

Name: Hyaluronic Acid Serum

Name: Tree Oil 30ml

Name: Oil Free Moisturizer 100ml

Name: Skin Beauty Serum.

Name: Freckle Treatment Cream- 15gm

Name: - Daal Masoor 500 grams

Name: Elbow Macaroni - 400 gm

Name: Orange Essence Food Flavou

Name: cereals muesli fruit nuts

Name: Gulab Powder 50 Gram

Name: Plant Hanger For Home

Name: Flying Wooden Bird

Name: 3D Embellishment Art Lamp

Name: Handcraft Chinese style

Name: Key Holder

Choose an option:
1. List all products
2. Search for a product
3. Exit
2
Enter the product name: Key Holder
Product found.

Name: Key Holder

Choose an option:
1. List all products
2. Search for a product
3. Exit
3
```