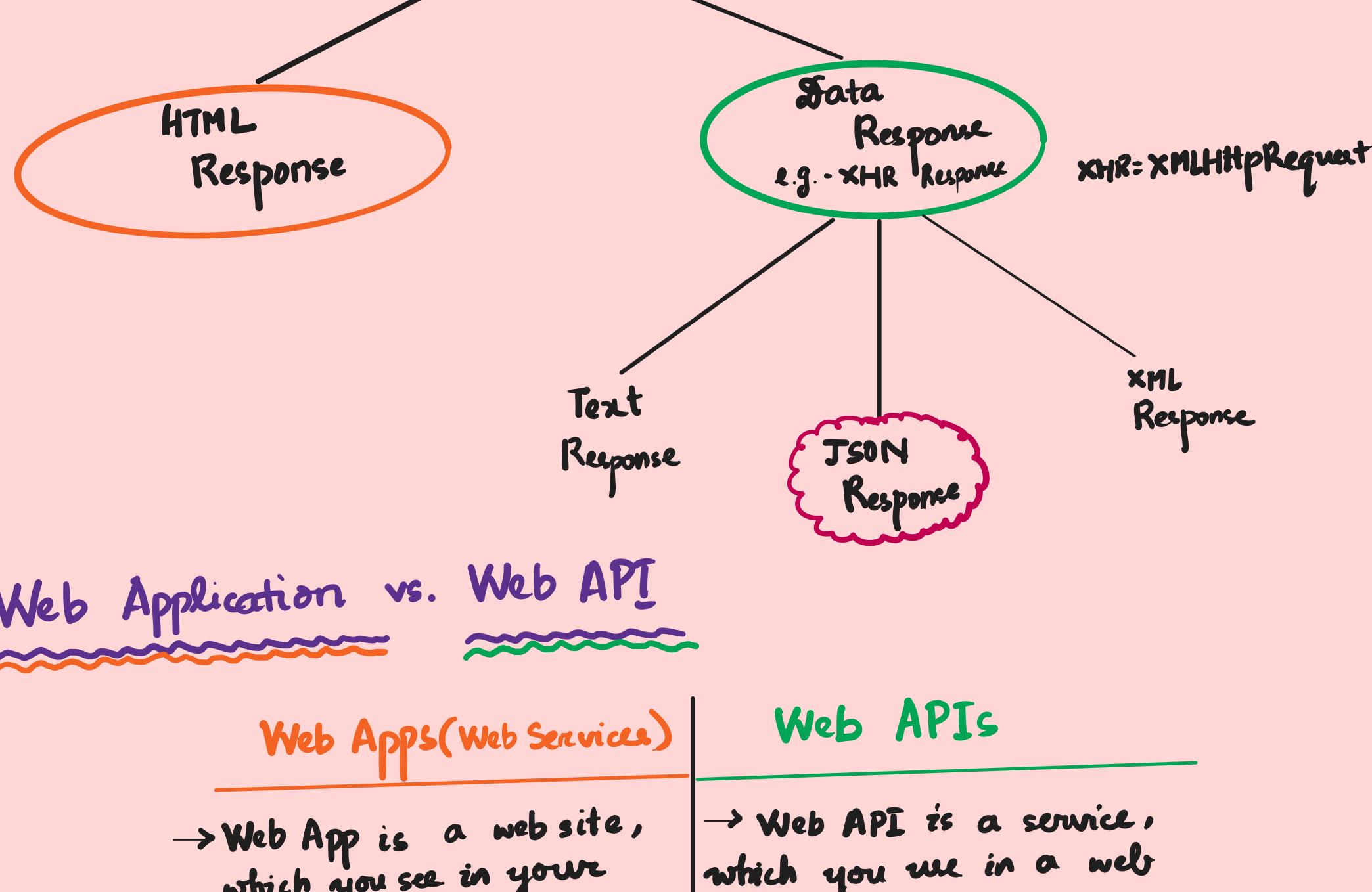




→ Three primary responsibilities of a web server are:-

- i) Listening to requests and receiving them
- ii) Processing the request to generate a response
 - (a) Dispatching (routing) the request to the appropriate handler
 - (b) Handling (or fulfilling) the request
 - (c) Generating the response to send back to the client
- iii) Sending the response back to the client

Types of HTTP Response



Web Application vs. Web API

Web APIs

- Web API is a service, which you use in a web application.
- They return data response (mostly text/json)
- In case of web APIs, the generation of UI is done by the client.
- A user can't directly interact with a web API because it only returns data, not views. It is a system which interacts with another system.
- Web APIs encourage the usage of all HTTP methods such as GET, POST, PUT, PATCH, DELETE, etc. to make requests.

HTTP Methods(Verbs)

- 1) GET
- 2) POST
- 3) PUT
- 4) PATCH
- 5) DELETE

Case-study: Facebook Posts

↳ Possible CRUD Operations:-

- i) Create:- Creating a new post - **POST**
- ii) Read:- Viewing one/all post(s) - **GET**
- iii) Update:- Updating the caption of a post - **PUT/PATCH**
- iv) Delete:- Removing a post - **DELETE**