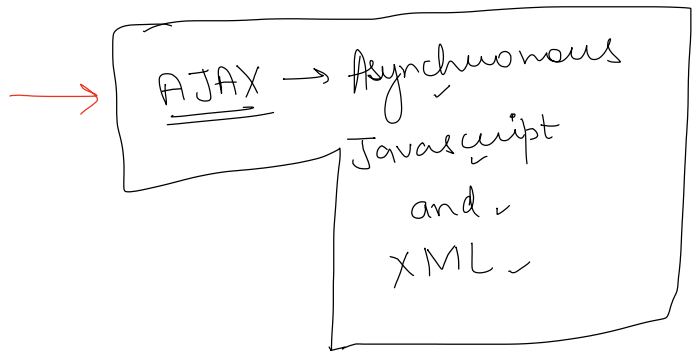


# AJAX & APIs

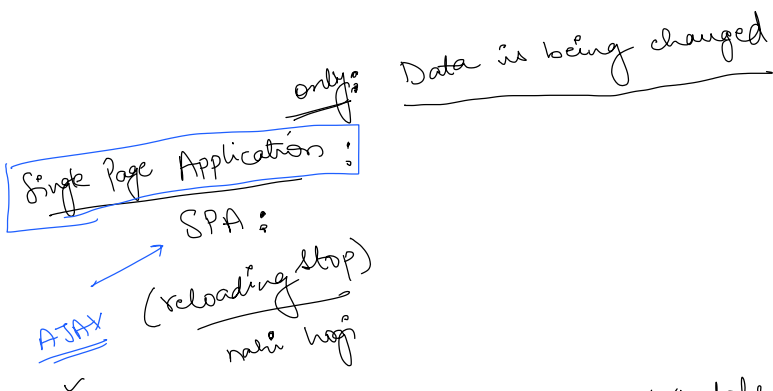
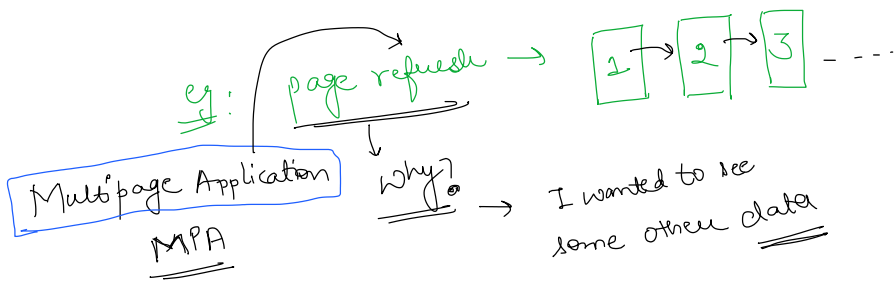


What is AJAX ★

- library ✗
- framework ✗
- tool ✗
- Object ✗

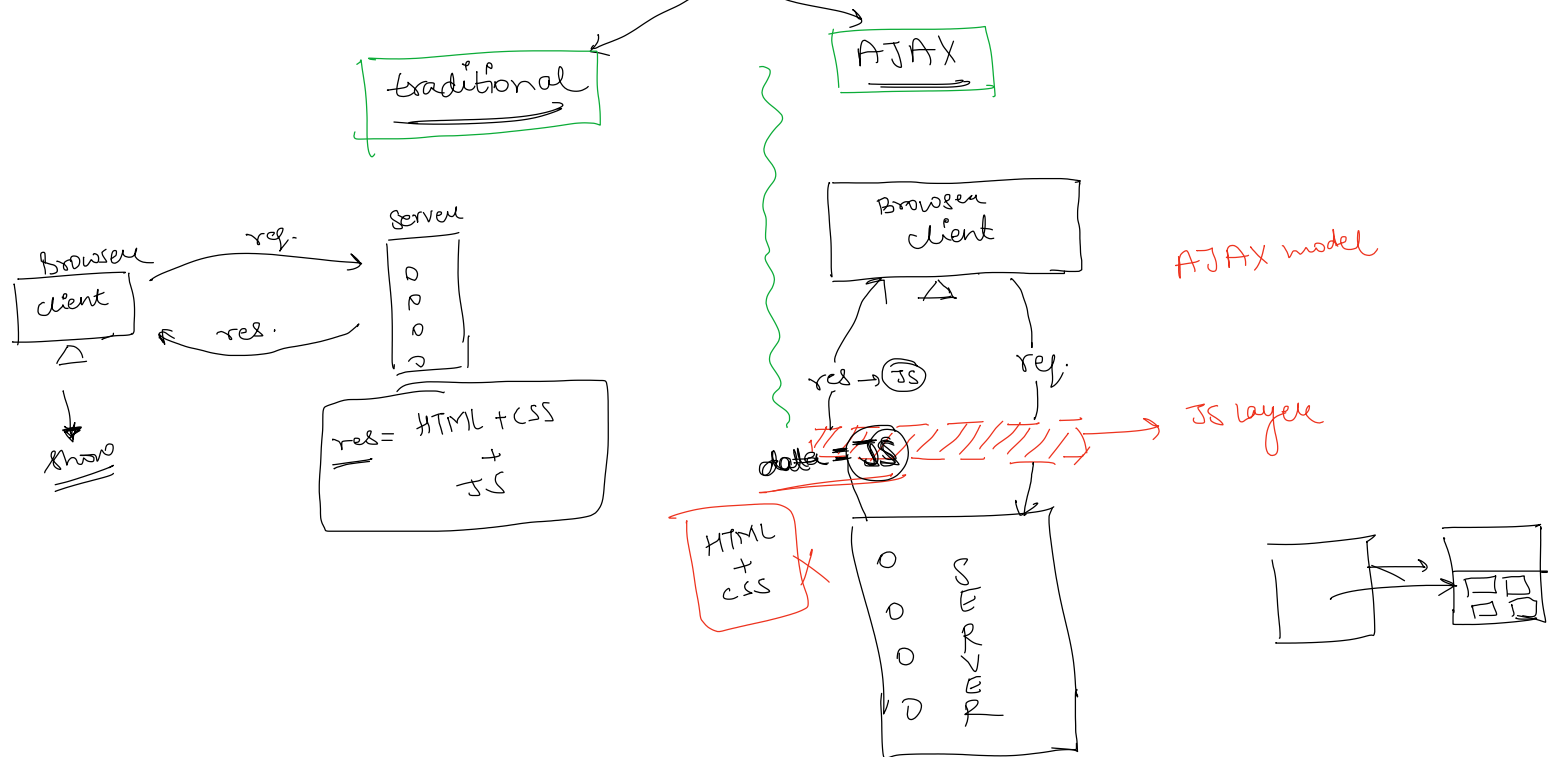
Simple Web Technique

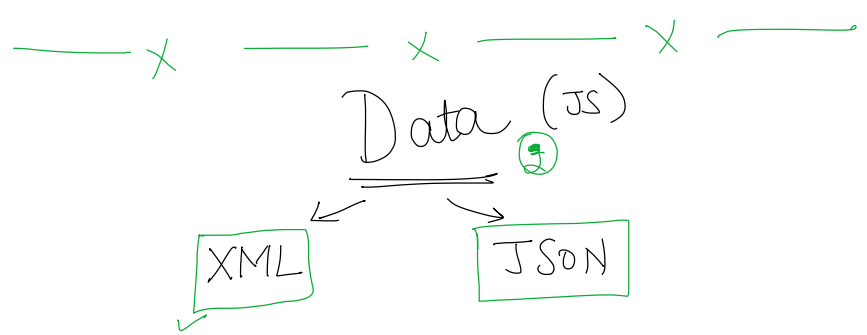
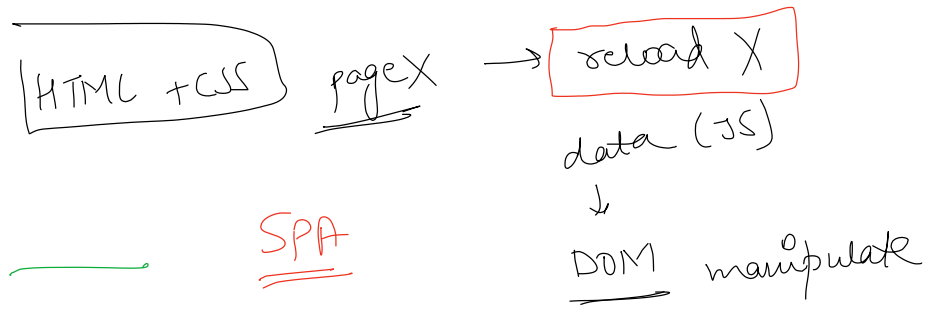
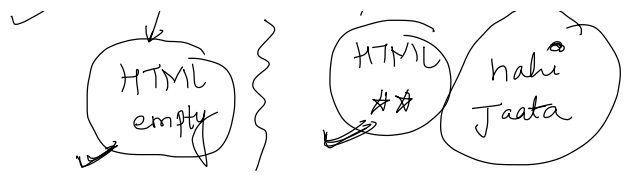
Usage:



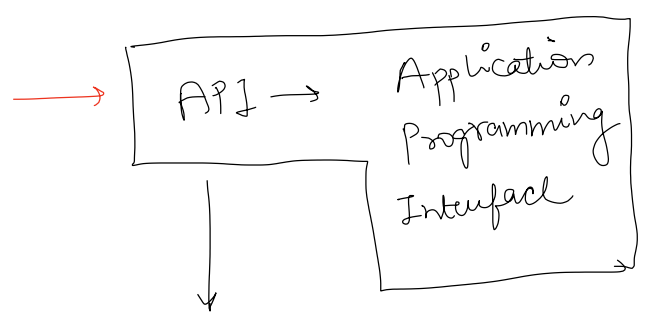
Data is being changed

## Models of sending requests

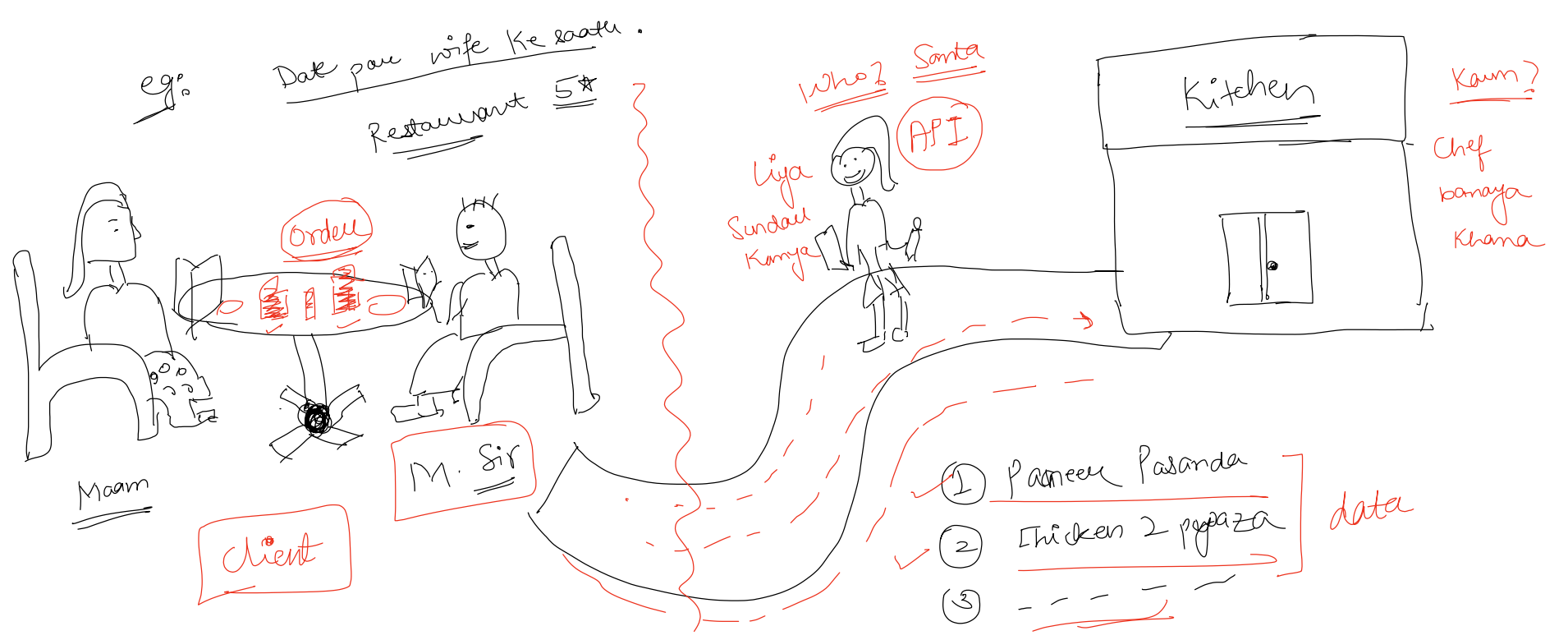




XML → Xtensible Markup Lang.  
\* JSON → JavaScript Object Notations

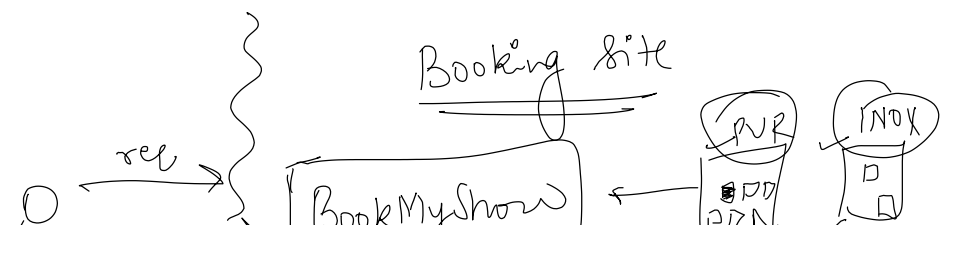


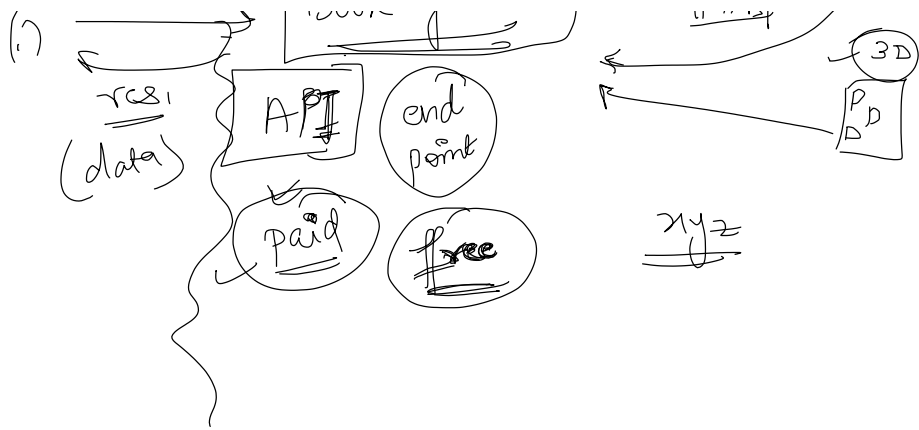
Q hata kya hai? Manish



API  
Santa → data

API → end points [iske aage duniya jaae Bhaad mei]  
↓  
data





JSON (2)

JSON (2) → `parse()` → `stringify()`

directly you cannot work

① `JSON.parse()` → `? accepts` → JSON String

do

converts your JSON string into a usable JS object or JS array.

② `JSON.stringify()` → JS object array

do

converts to a JSON string

## # Sending Request Using JS

ways by which I can call APIs inside JS

- ① `XMLHttpRequest()` → Web APIs
  - ② `fetch()` → Web APIs
  - Libraries (3rd party) → Lib
    - jQuery ✗ ignore
    - ③ `axios`
- (`setTimeout`, `console`, `setInterval`, `fetch`, `XML...`) → Web APIs

## # XMLHttpRequest

↳ constructor func<sup>n</sup> → Create object

client → [S]

(object)  
`req.open('GET', 'Api')`

methods  
 (bohat sare)

✓  
methods  
(GET, POST, PUT, PATCH, DELETE)

MRN

✓ → Get → retrieve / fetch [Lena]  
✓ → post → bhejke [Dena]