

* How Internet works?

- Request
- Response
- URL Query

Path ↓ Key KeyValue
https://google.com/search?q=inewson& // URL Query
 Query String

/ : Path or Page

localhost:8000 / About
/ contact

? : Query String begins

q : Key = Value Pair

& : Separator

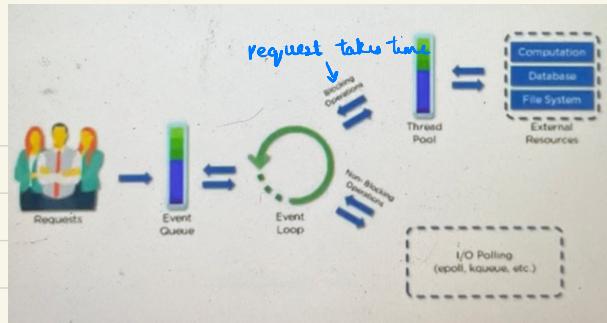
+ : Concatenation

API: Application Programming Interface

API: is a link that carries certain Information and then returns back Information from the server back which consists of data.

* Node JS Architecture

- 1) Requests
 - 2) Node.js Server
 - 3) Event Queue : All Events will go here
 - 4) Event Loop : To check which events require external
 - 5) Thread Pool : Events that need backend come here and it connects them to external resource
- 6) External Resource : Database

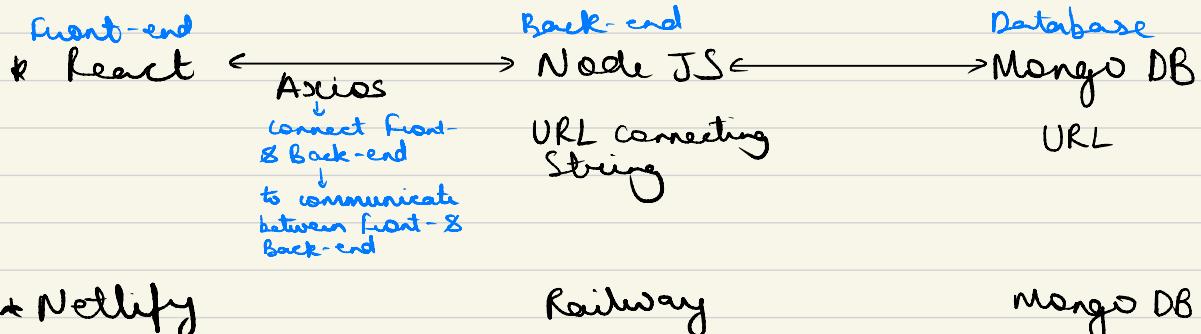


* Server

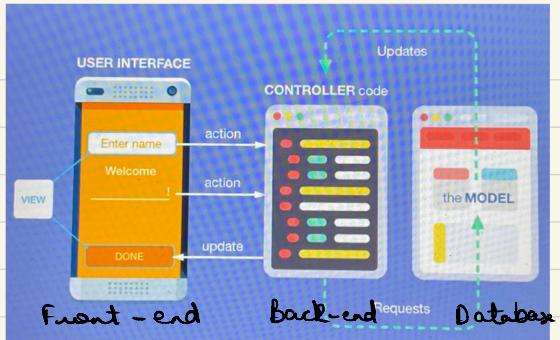
- Listen
- local - host (domain)
- Port

* Port

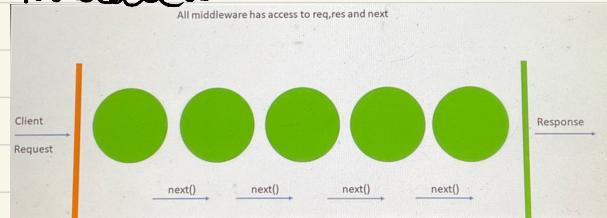
80
3300
276
8000



Model - View - Controller



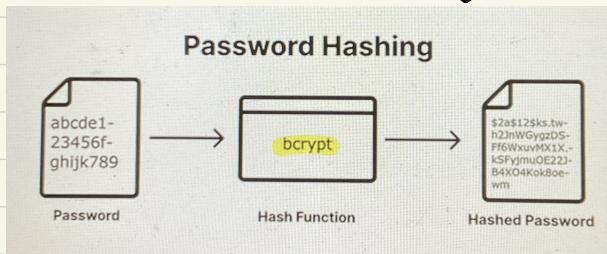
Middleware



Move from one place to another after checking certain things

eg: In Amazon you want to checkout but did not login so will check that and inform you to first login

Password Hashing (to hide)



→ To change password into a decodable code

Storing Media

Do not store images, videos in Mongo DB as it will consume a lot of memory & bandwidth.
So we go to third Party: eg: Amazon S3, Cloudinary
Will give a link in return and that we will store in database ↴