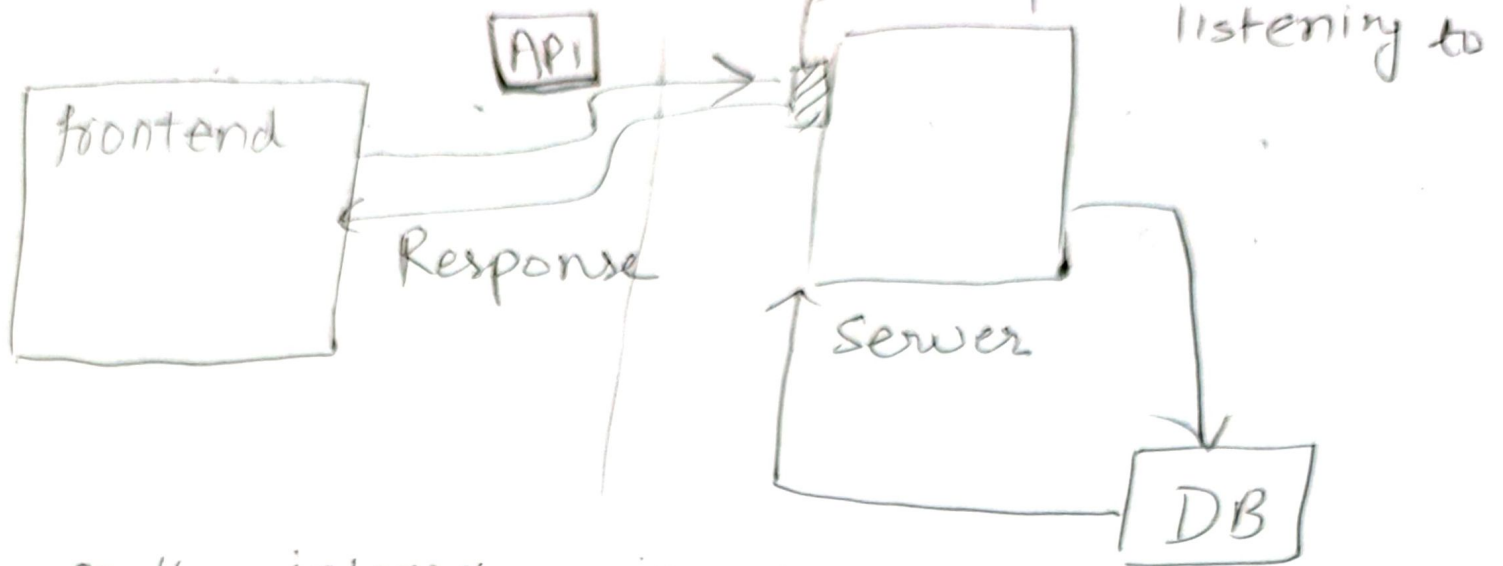


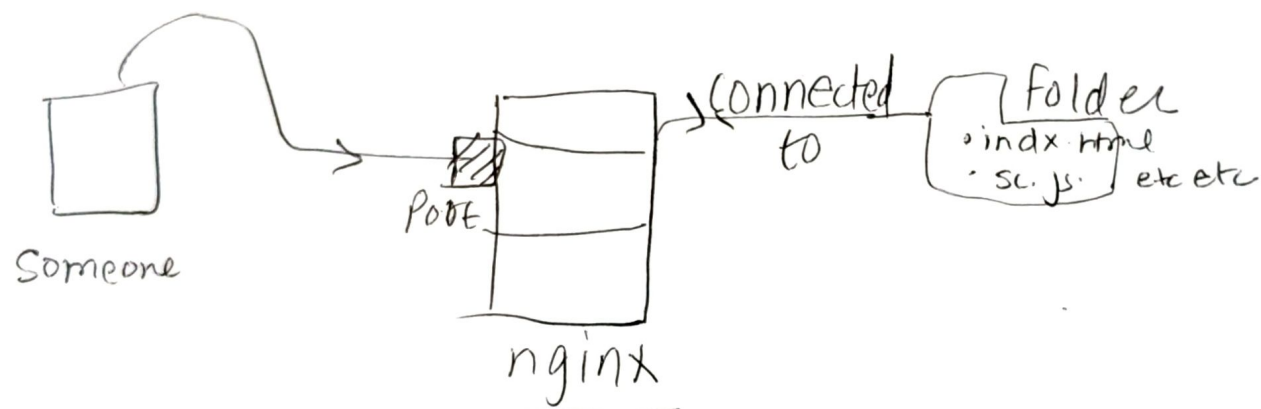
NI Server is a software



- JS can't interact with files
- ✓ Node.js which makes JS capable

nginx - HTTP and Reverse Proxy server

- We will serve static file



it will serve both files in our connected folder

rough Structure:

```
const port = 3000;
```

```
const server = http.createServer((req, res) => {  
  const filepath = path.join(__dirname, ...)
```

```
server.listen(port, () => {
```

SQL vs NO SQL

- ✓ Lang specially designed to modify DB
"Schema" — data formatting Rules, Table index structure etc.
- ✓ SQL is just excel sheet.

~ RDBMS: DBMS byt "Relational" eg:

Cus Id	DOB	Order ID	Address ID
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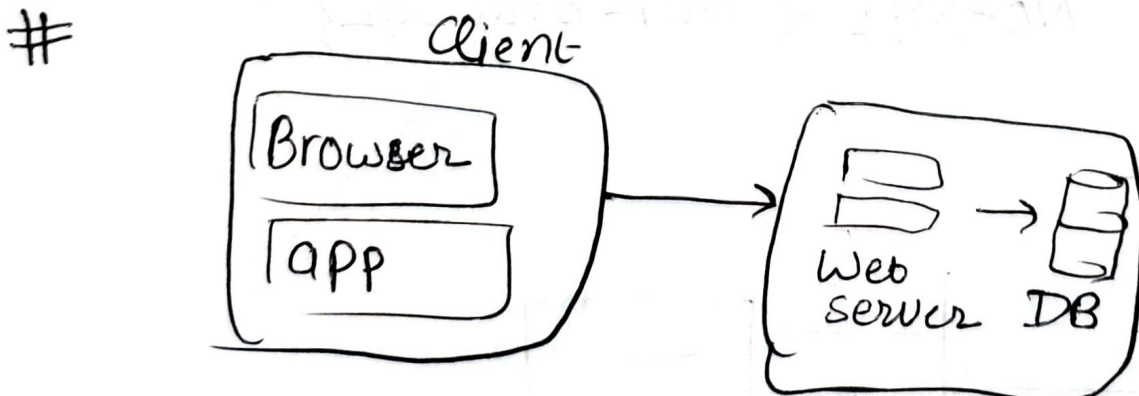
These mini excel sheets are linked to the main excel sheet using something called foreign keys

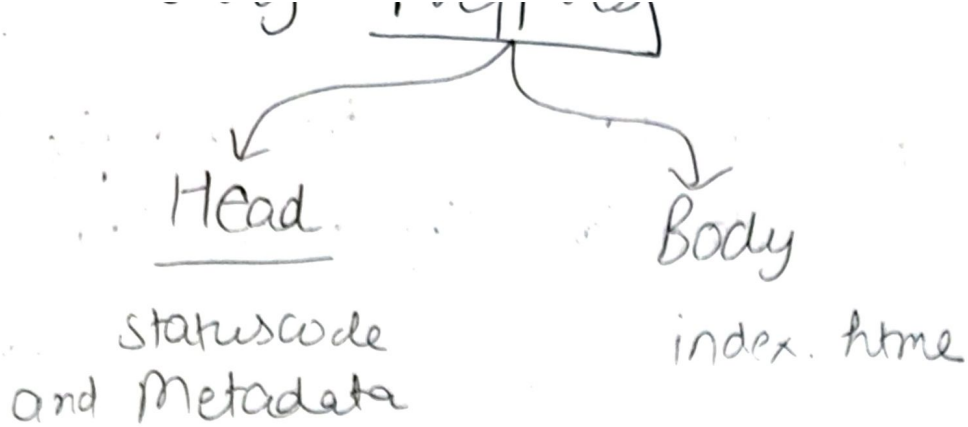
ORDER	
ORDER ID	Product ID

ADDRESS		
ADD ID	Line 1	Line 2 / PIN

- IN NOSQL we have more flexibility of JSON like structure

Note in SQL world — we have Tables $\begin{matrix} R \\ C \end{matrix}$
In Nosql we have collections —



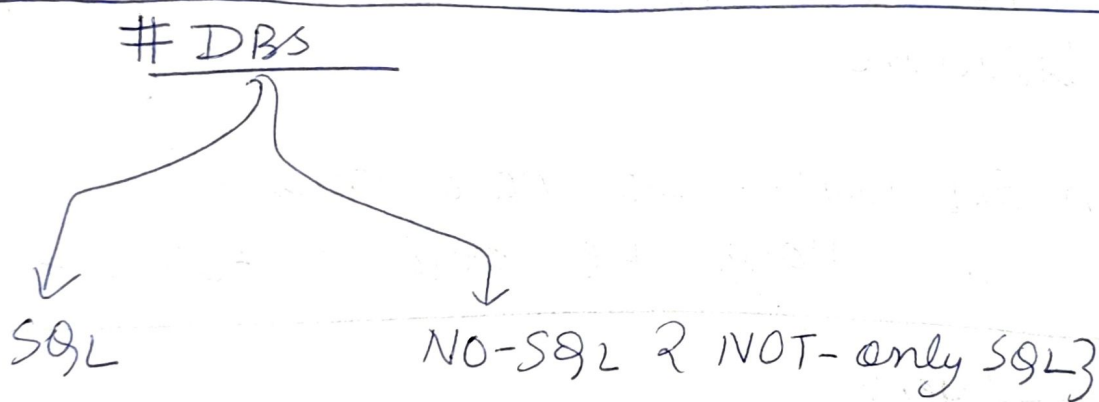


Event logger module in node, "events" is just not a regular class, it's a full fledged class.

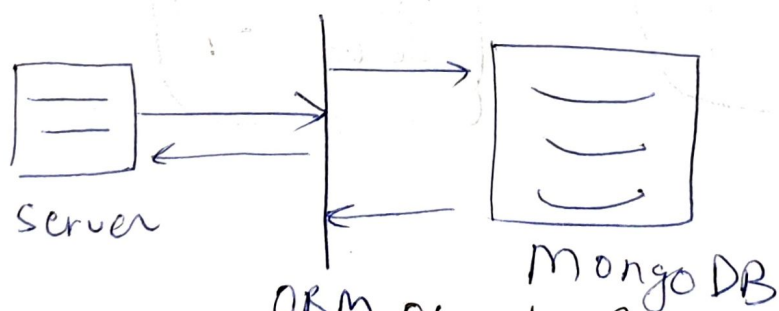
→ We import it into our custom class as a parent.

We use `.emit("key", "value")` } `.emit` is like broadcast
Events inbuilt method = this key is required to listen to this broadcast.
 Key is like radio freq of broadcast.

NOTE 1 `.emit` shows async behaviour

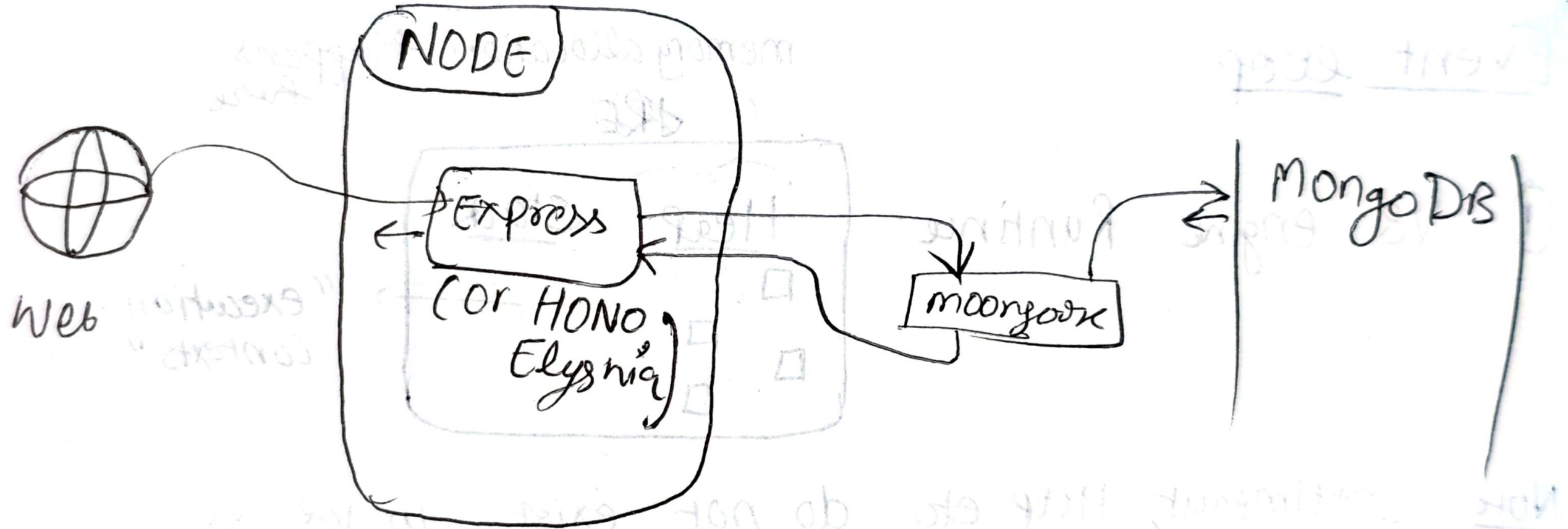


① MongoDB



ORM Object Relational mapper layer which we interact with that in turn interacts with DB.

✓ mongoose, prisma, Dataloader



- -D to install "development dependency"
- eg: `npm i -D nodemon`
Restarts server upon any change we make.

from Idea to Database Design