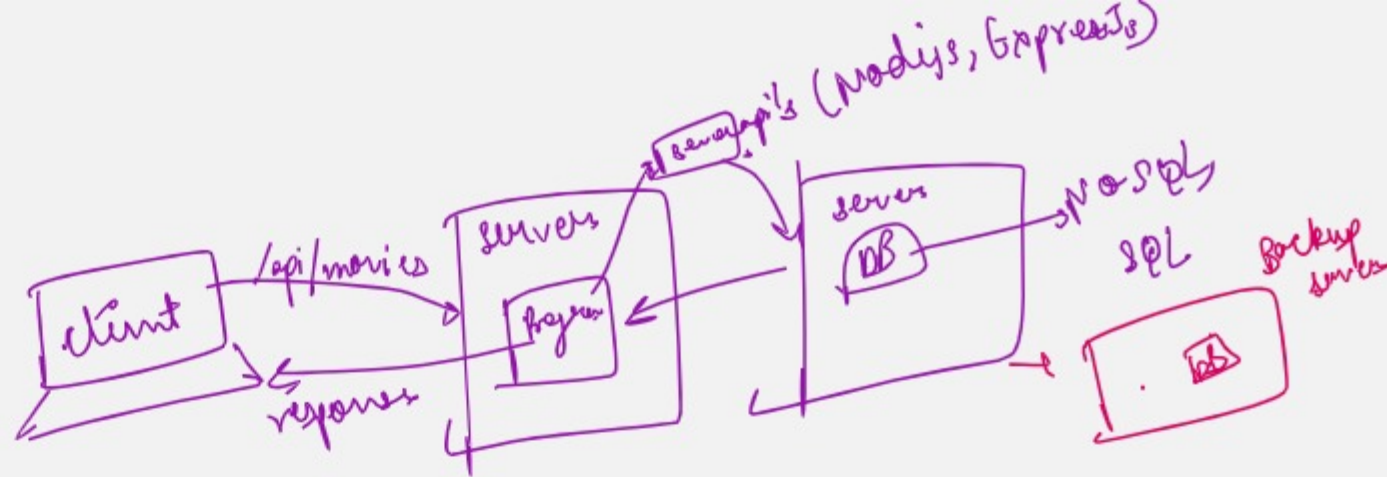
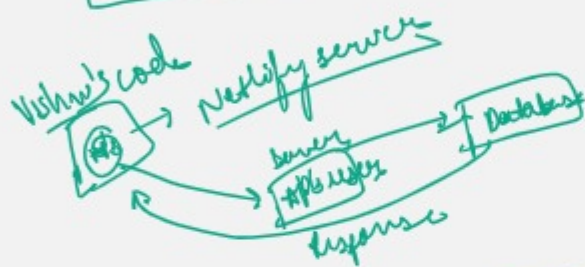


Backend Development
 ↳ Tech stack
 ↳ C++ (net), Python (django)
 ↳ JS (Nodejs, Express)
 ↳ PHP (Laravel, Spring boot)

Database
 ↳ SQL
 ↳ NoSQL



Backend

- server logic
 ↳ authentication
 ↳ authorization
- database management
- API development

Database Management System

- MySQL - sql
- Oracle - sql
- sqlserver - sql
- MongoDB - nosql
- mainiaDB - sql

- Hosting
 ↳ AWS → netlify
 ↳ Azure → vercel

Backend Developer

- DS & Algo
- Prog. Language & Framework
 ↳ JS → Nodejs
 ↳ C# → .net
 ↳ Java → spring boot
 ↳ Python → Django

No SQL DBMS

- ↳ No structure
- Type: **MongoDB**, Cassandra, DynamoDB, CosmosDB, graphDB, Neo4j

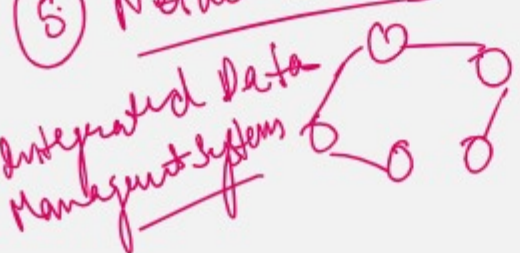
Object oriented DBMS (OODBMS)

- ↳ object store, versioning

Hierarchical DBMS



Network DBMS



Type of DB

Relational DBMS (SQL)

- ↳ Rows & Columns

Table-2 Products

ID	Product
1	101
2	
3	

Table-1 Customers

ID	Customer
1	1001
2	
3	

Table-3 orders

Product ID	Order ID
1	101
	1001

- Types of SQL
- MySQL, Microsoft sqlserver, Oracle, postgresql
 - mainiaDB**