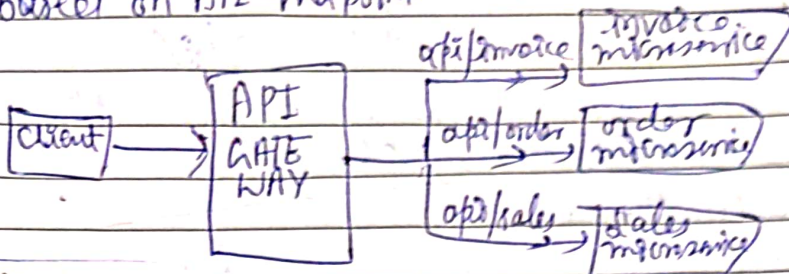
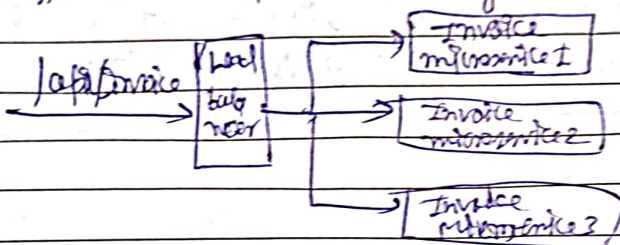


API Gateway →

It accepts the client API requests & route them to correct backend service based on API endpoint.



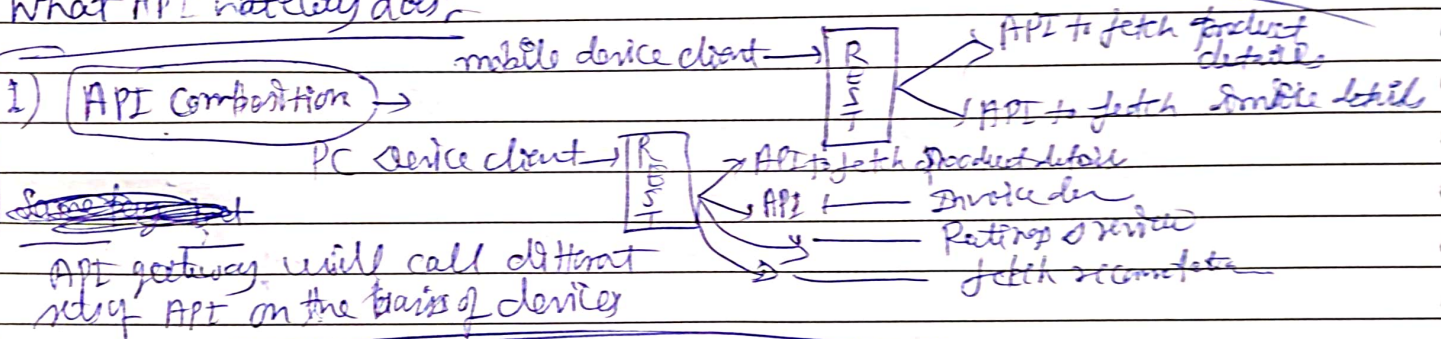
Is it similar to load balancer → No, Load balancer simply distributes the traffic to multiple instances of microservice based on various factors like health, traffic load.



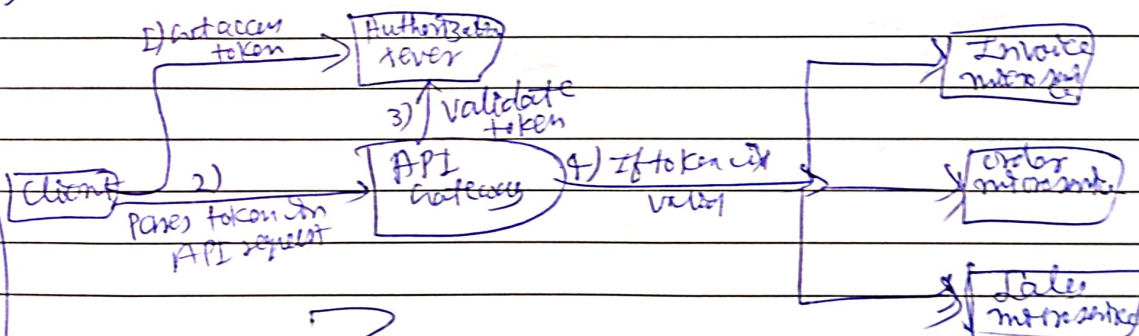
Load balancer doesn't have capability to understand API & take decision.

What API Gateway does:

1) API Composition →



2) Authentication



3) Rate Limiting →

→ Manage burst limit → Set max no. of concurrent request to be accepted.

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→ API Throttling → Limiting no. of request from individual or application

→ IP based blocking

→ API queues → Hold requests to an API.

4) Service discovery → As microservices can scale up & down, it's necessary to know the location of service =

