

🧠 1M User Traffic — Load Balancer Flow Diagram

→ কী কী থাকবে (মনে রাখার rule)

👉 Diagram-এ ৫টা box থাকলেই perfect:

1. Users
2. Load Balancer
3. App Servers (multiple)
4. Cache (optional but good)
5. Database

🧱 Final Diagram

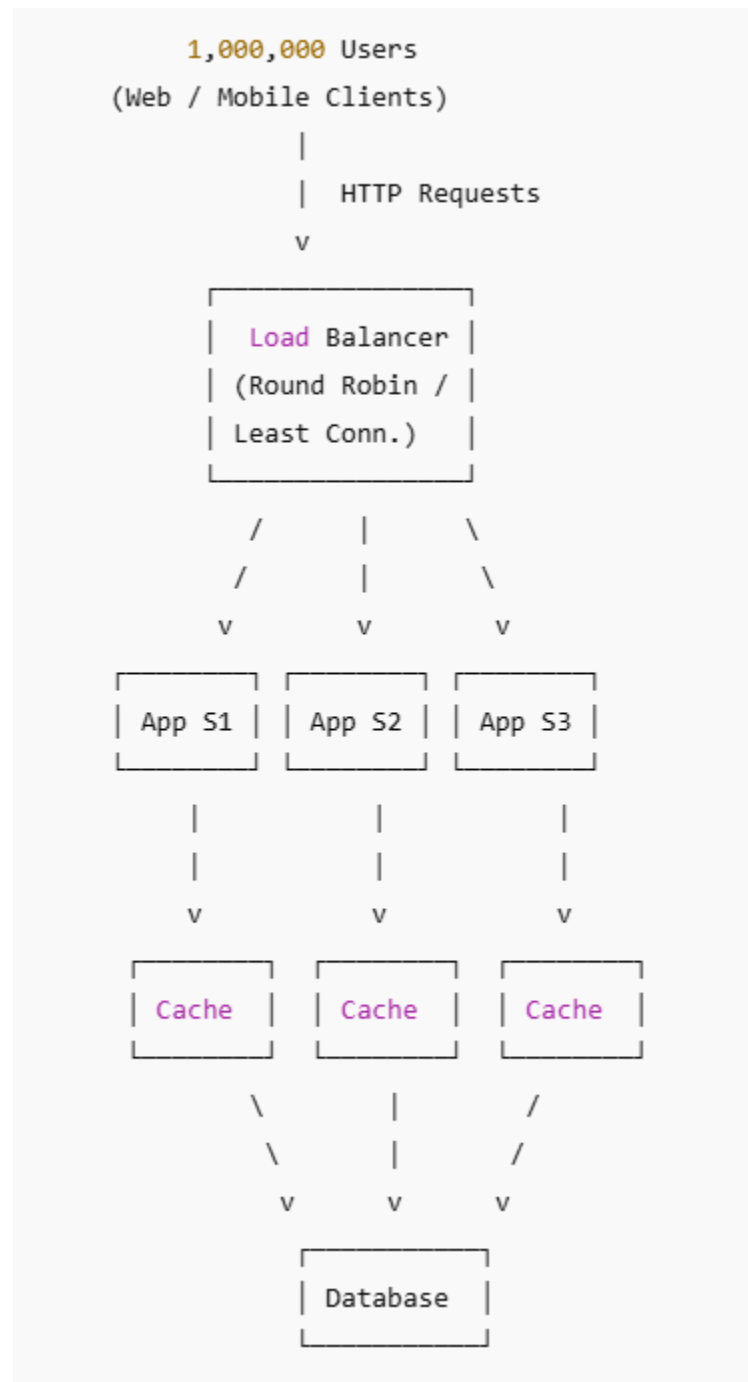


Diagram আঁকার সময় কী বলবে (VERY IMPORTANT)

এই exact flow follow করে বলো 🙌

1

“1 million users send requests to our system.”

2

“All traffic first hits the Load Balancer.”

3

“The Load Balancer distributes traffic across multiple stateless app servers.”

4

“App servers first check cache to reduce database load.”

5

“Database acts as the source of truth.”

👉 এই narration দিলে interviewer বুঝবে তুমি **real system** বোঝো।

কেন Load Balancer এখানে MUST?

Diagram দেখে বলবে:

- ❌ Single server হলে crash
- ✅ Multiple servers + LB → high availability
- ✅ Horizontal scaling possible

📌 FAANG line:

“Load balancer enables horizontal scaling and removes single point of failure.”