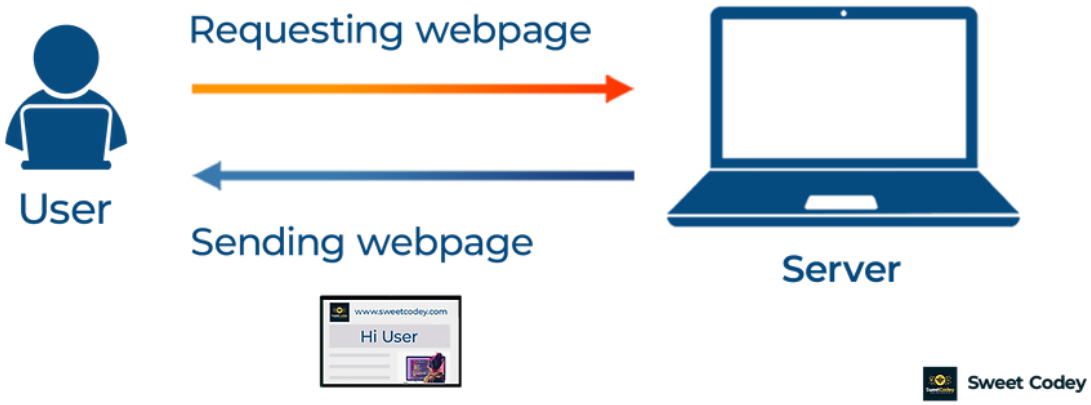
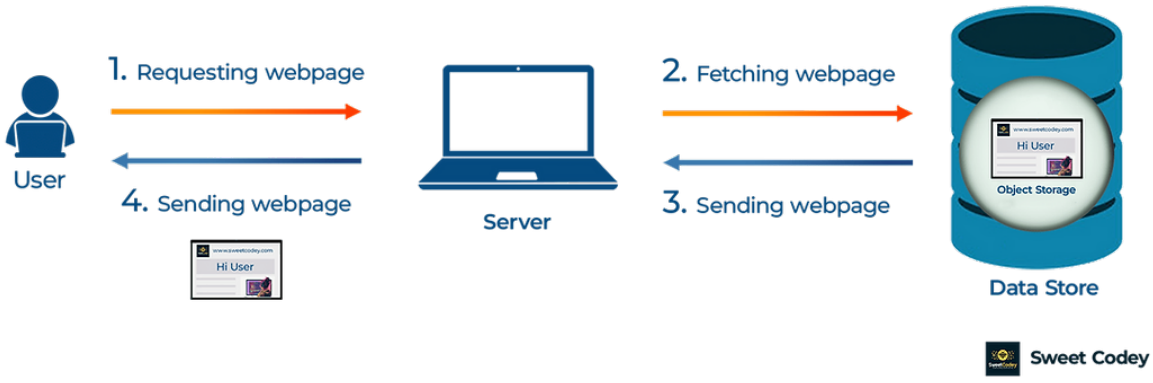
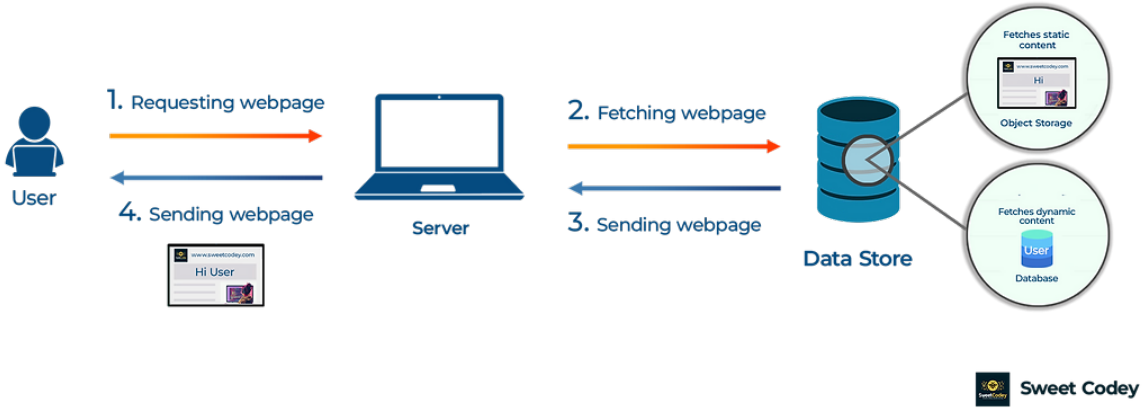
Step 1: Client & Server



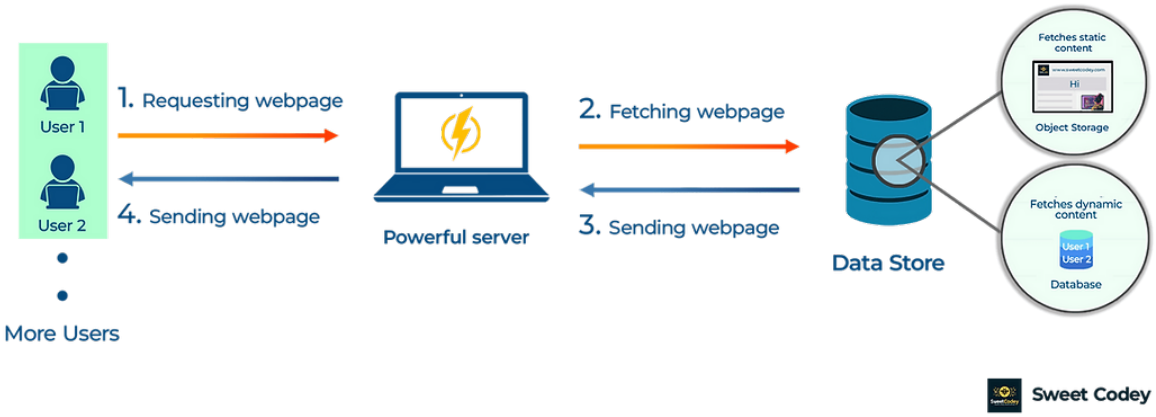
Step 2: Database

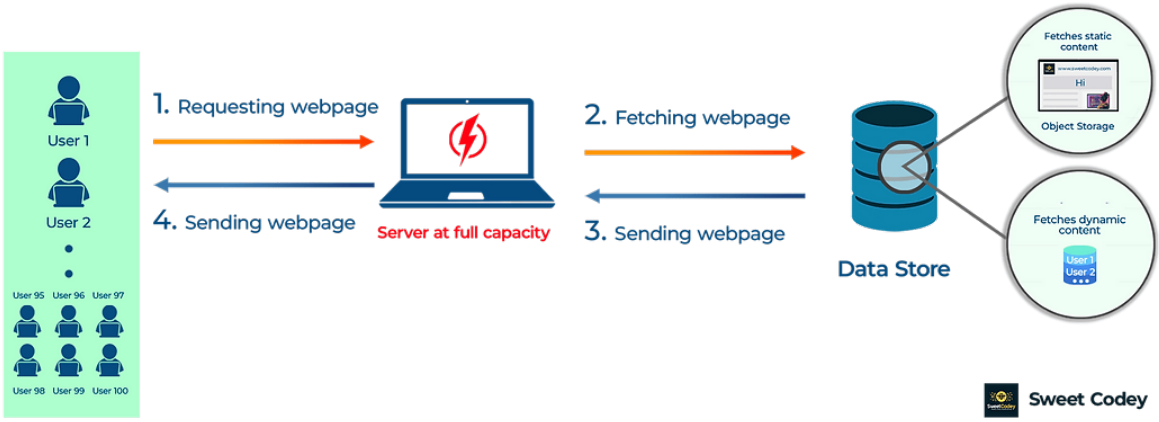




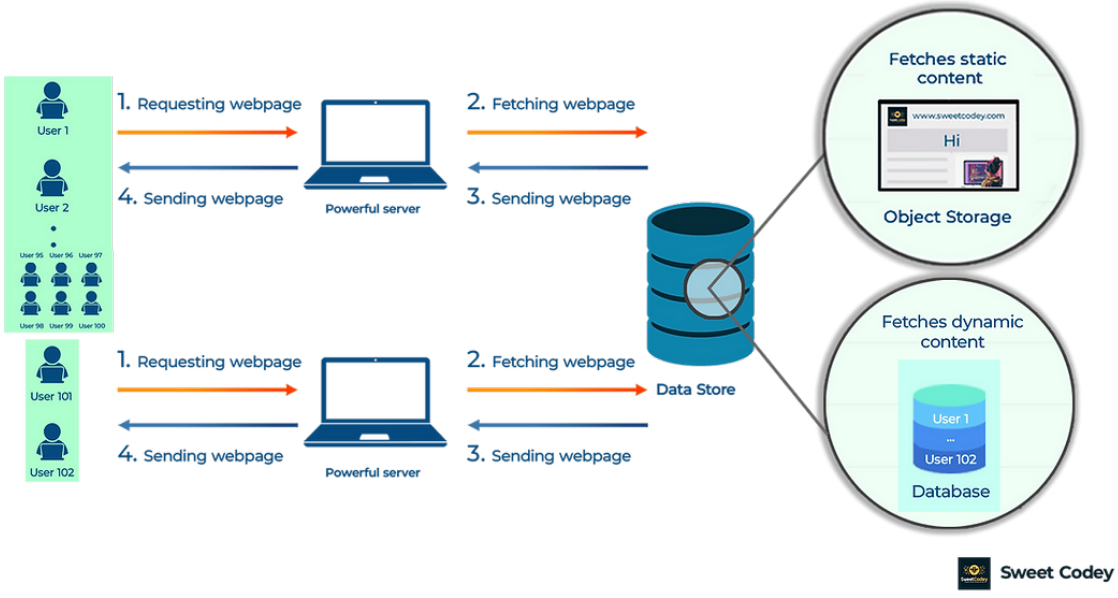
Step 3: Vertical vs Horizontal Scaling

Vertical Scaling

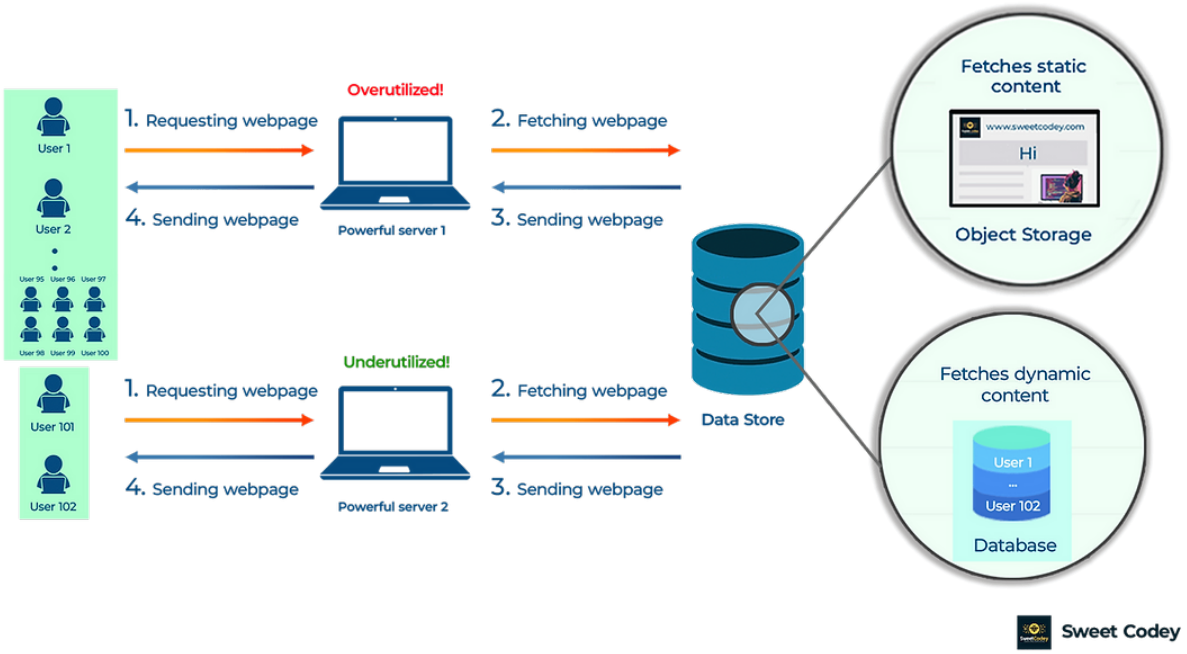


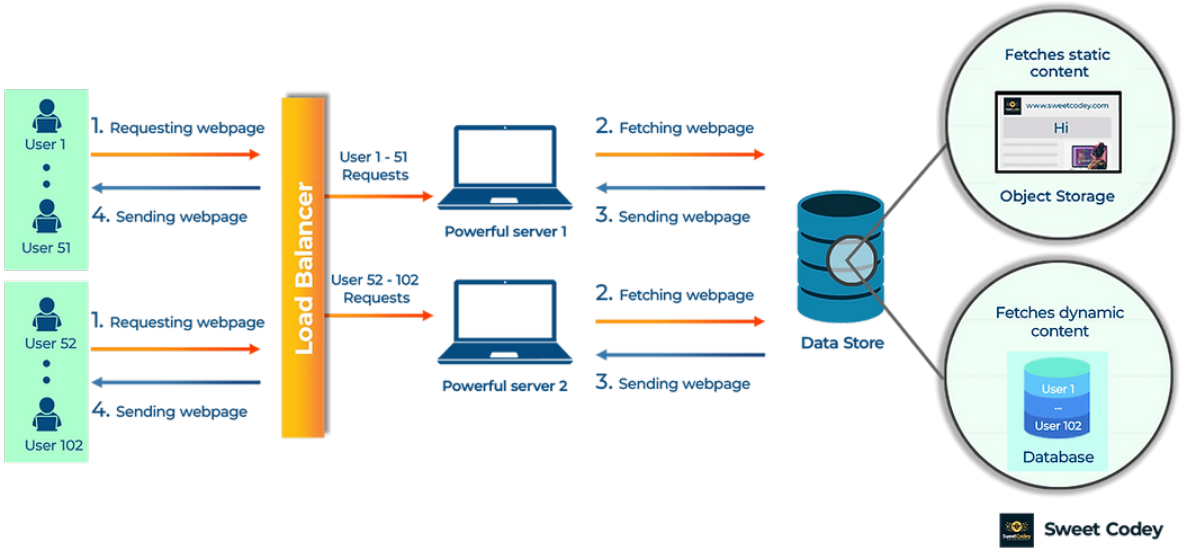


Horizontal Scaling

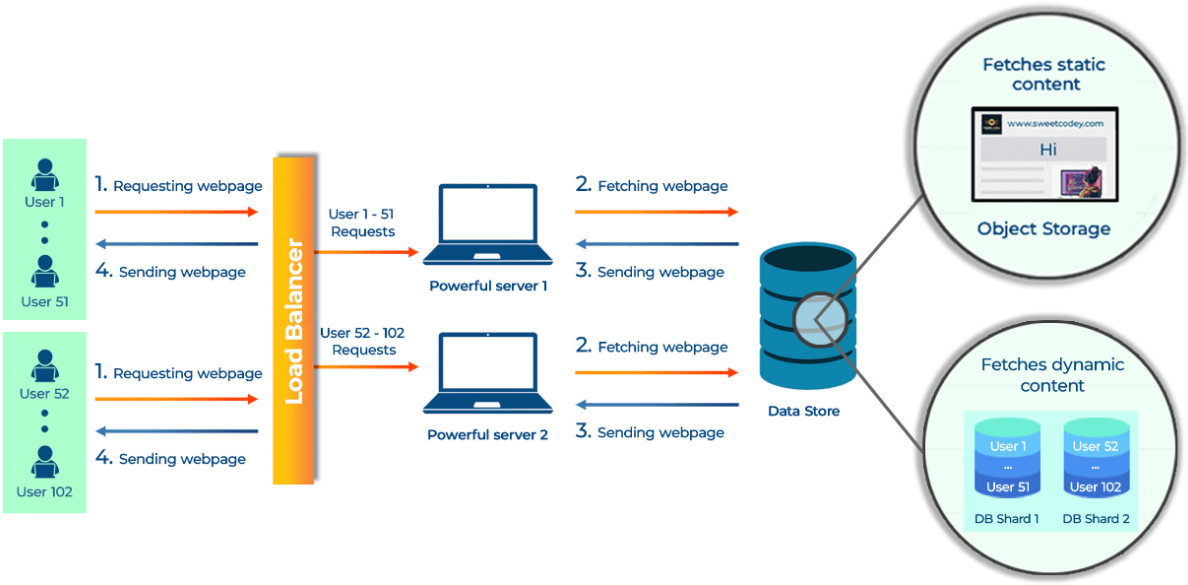


Step 4: Load Balancer

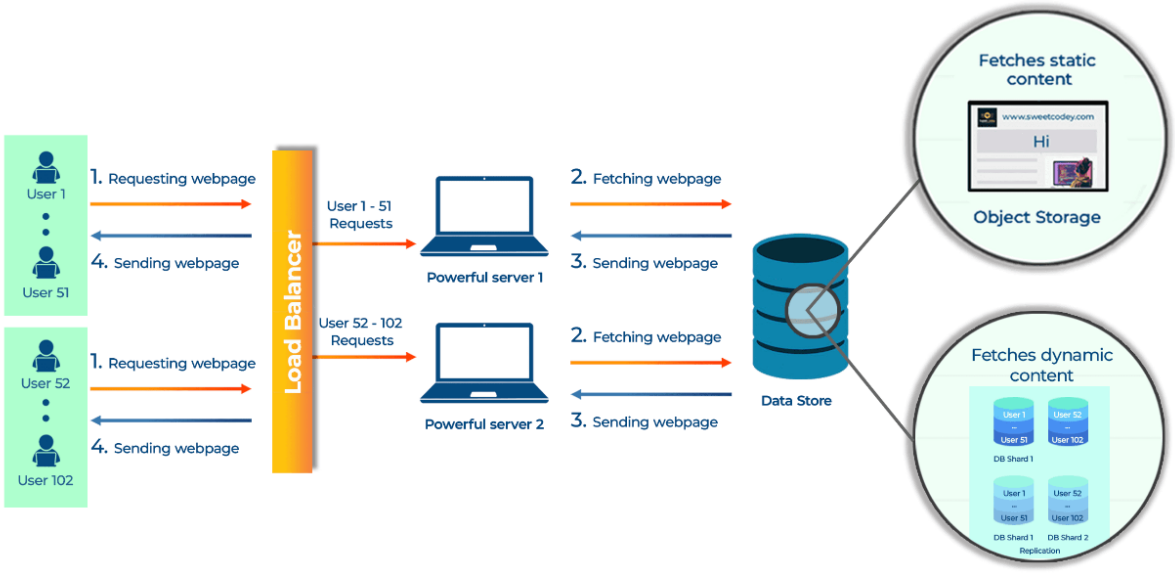




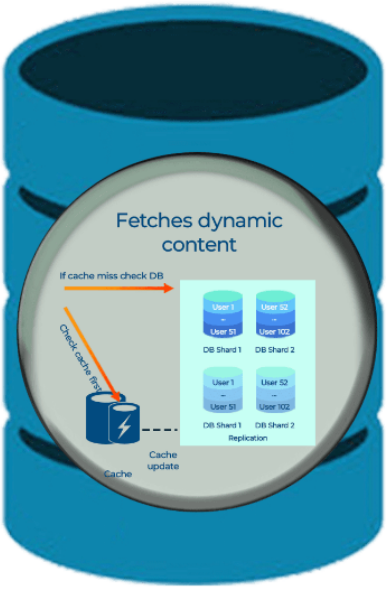
Step 5a: Database Sharding



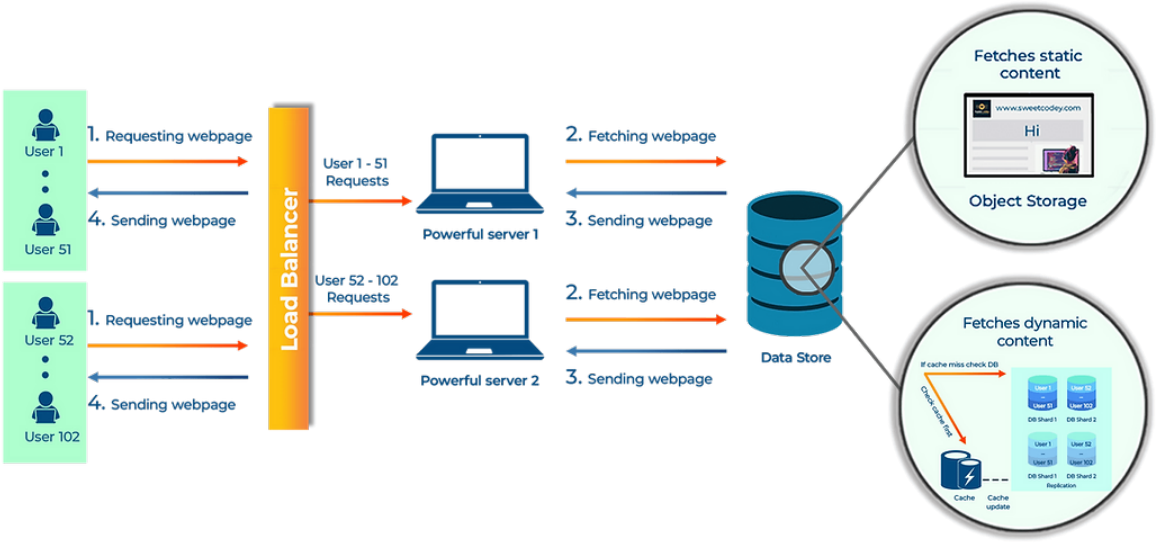
Step 5b: Database Replication



Step 6: Cache

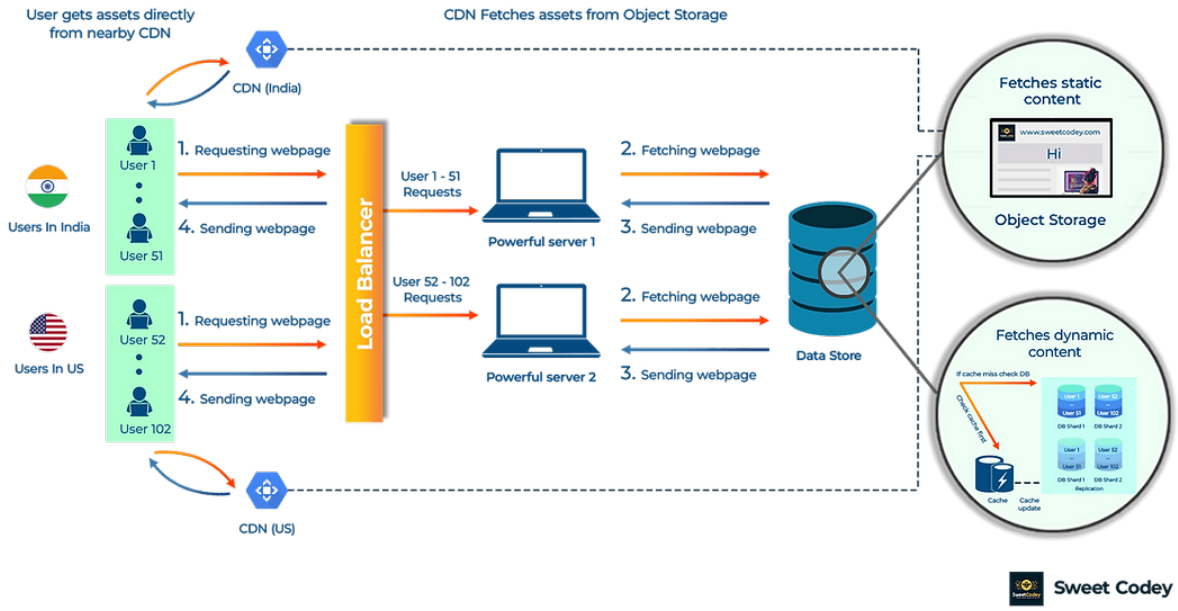


Data Store



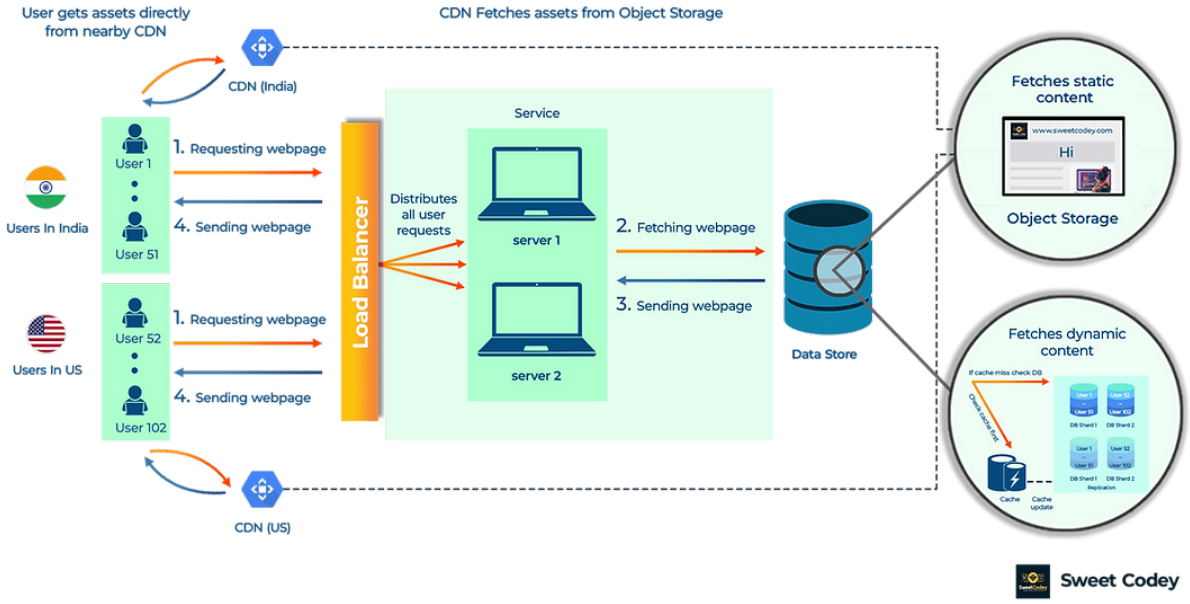
Sweet Codey

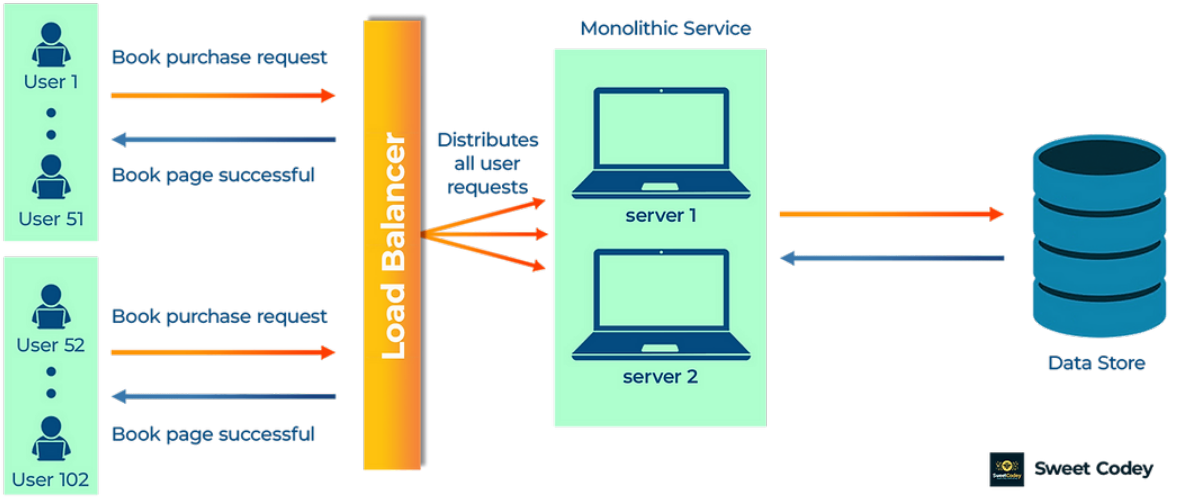
Step 7: Content Delivery Network (CDN)

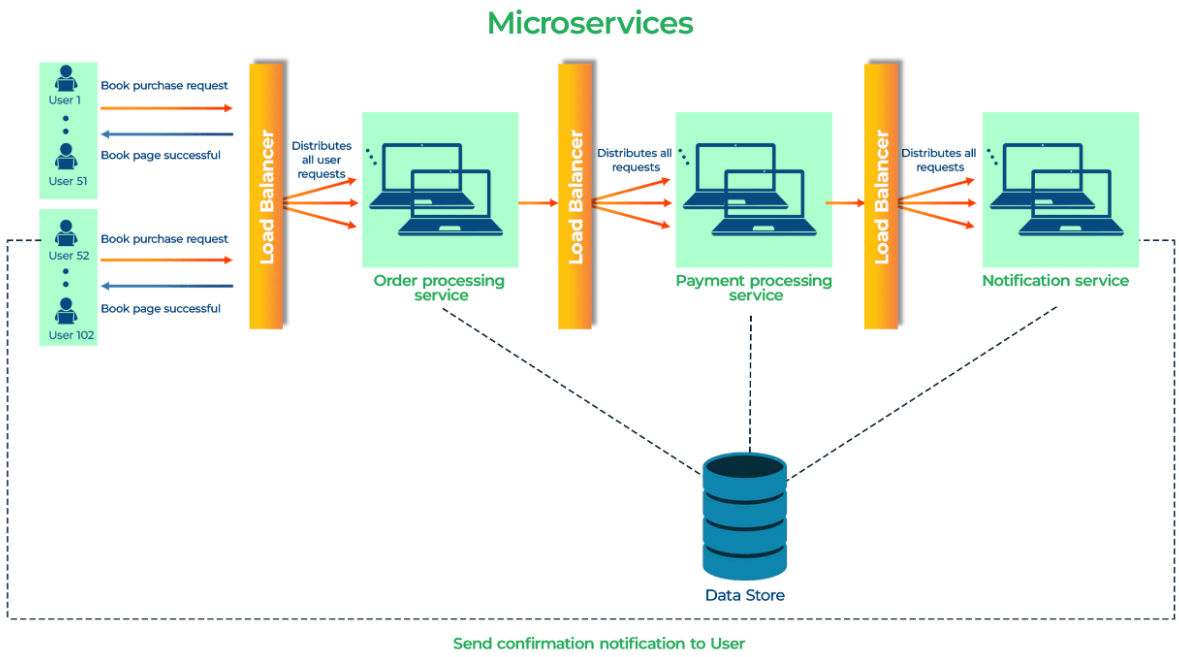


Step 8: Monolith & Microservice

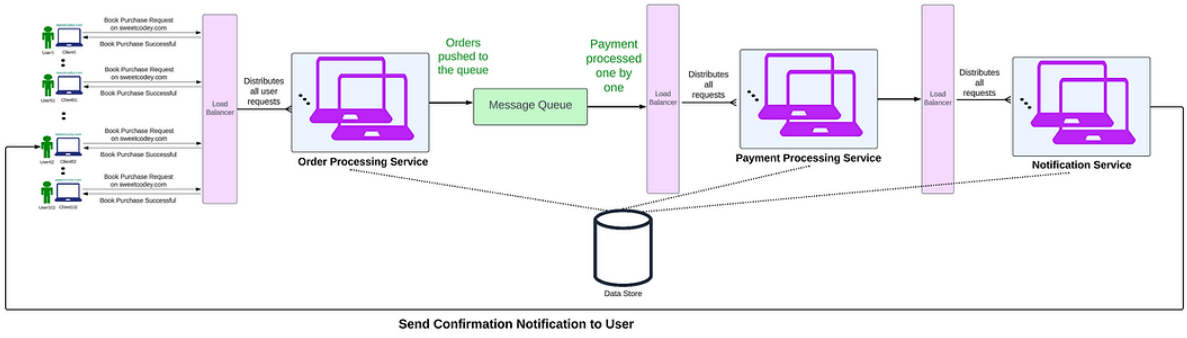
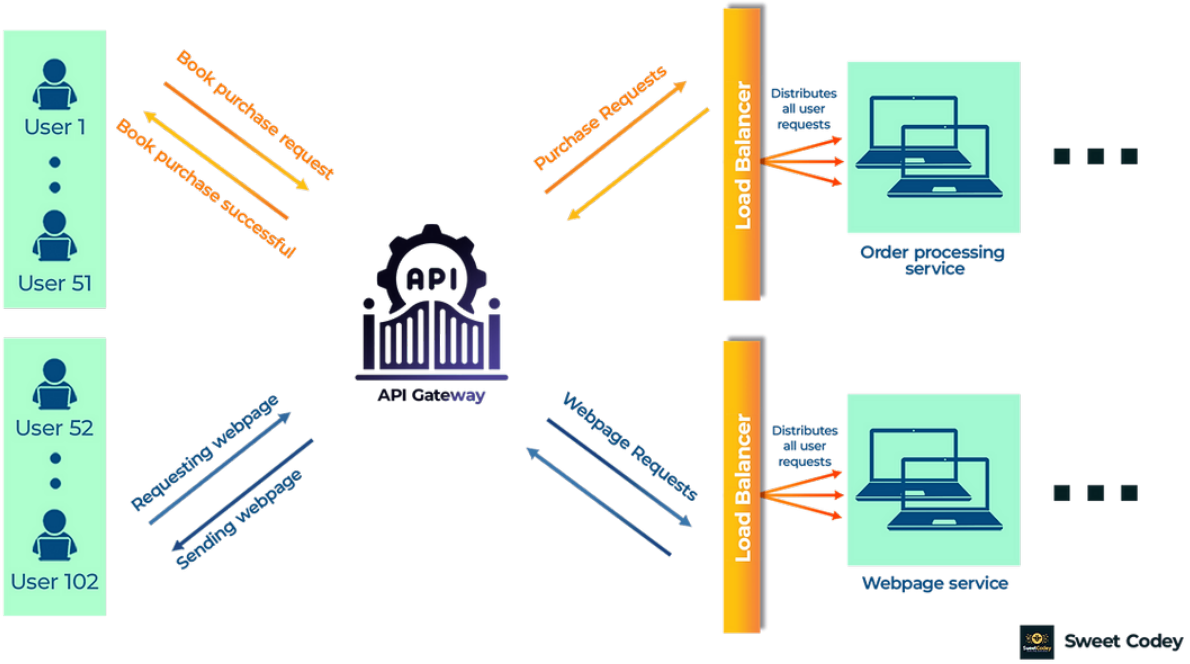
Monolith







Step 9: Message Queue



Step 10: API Gateway