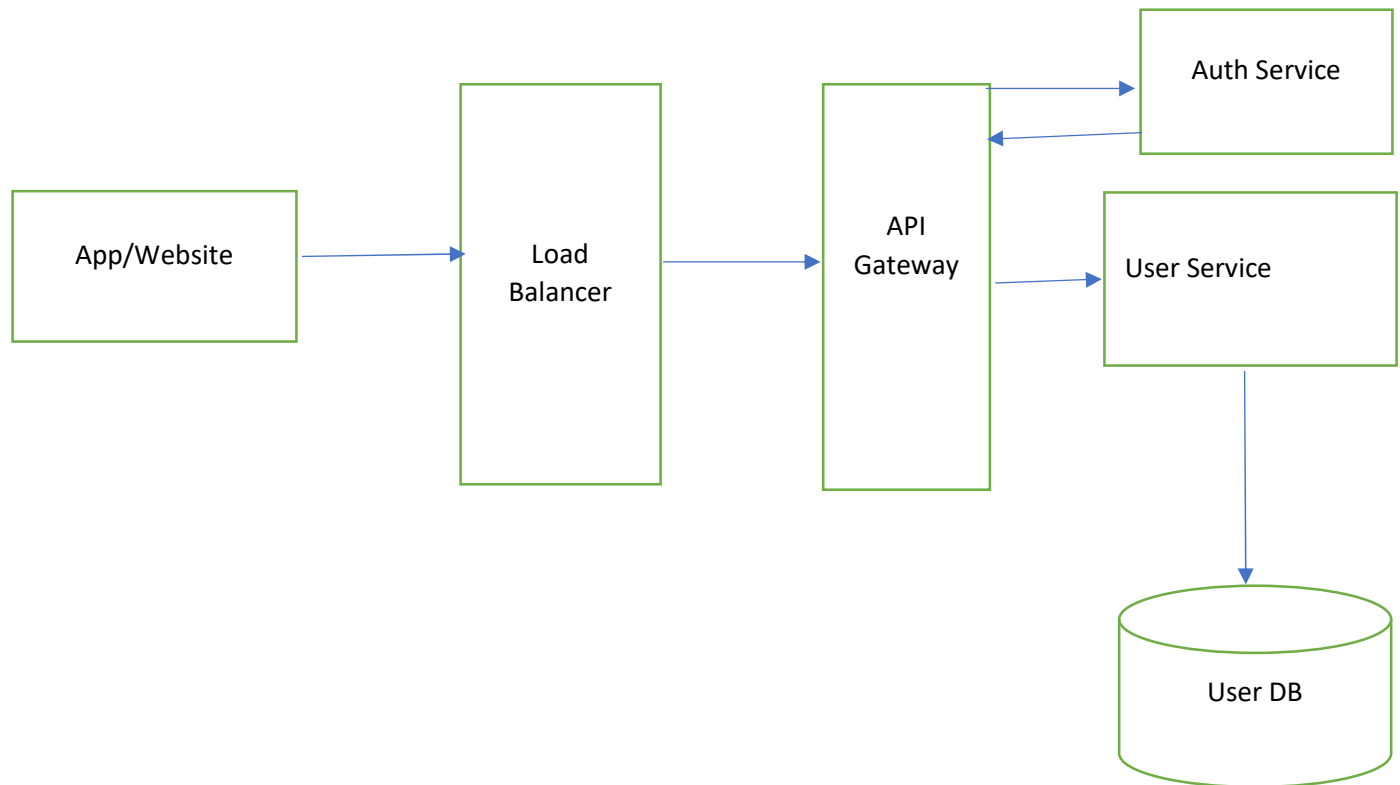


Blue Arrow - Sync Call

Orange Arrow – Async Call

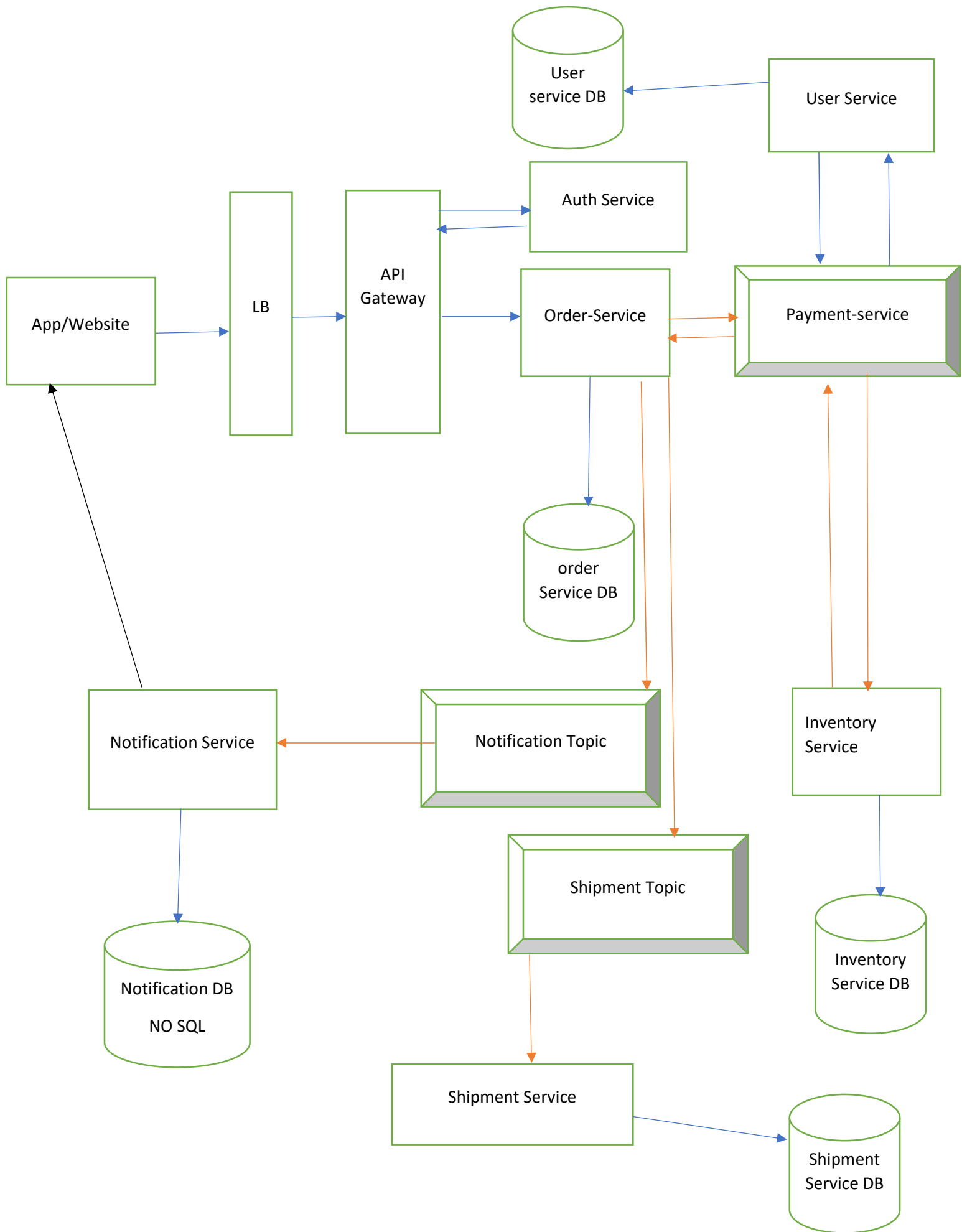
Black Arrow - TBD

### 1.Registration of users



### 2. User has booked order successfully

- a. Request will go to load balancer
- b. It will be redirected to api gateway
- c. Request will go to order service
- d. Request will go to payment service for payment
- e. Payment service will check inventory from inventory service
- f. Payment service will notify order service for order booked
- g. Order service will push order booked event
- h. Event will be pushed to shipment and notification topic
- i. Shipment service will consume this even and start shipment process
- j. Notification will service will notify users for order booked event
- k. Shipment service will send event for events to notification service



## 2. User has booked order successfully

- a. Request will go to load balancer
- b. It will be redirected to api gateway
- c. Request will go to order service
- d. Request will go to payment service for payment
- e. Payment service will check inventory from inventory service
- f. Payment service will notify order service for payment failed event
- g. Inventory service will update inventory after payment failed event
- h. Order service will publish order creation failed

