

BookMyFood Backend Setup

BookMyFood — Backend Setup (MySQL, Spring Boot)

Services (ports):

- Eureka Server (8761)
- API Gateway (8080)
- UserManagement (9000) — JWT auth
- Food Service (9013)
- Order Service (9012)
- Payment Service (9011)
- Kafka (local 9092; used by Order <-> Payment)

MySQL:

Create databases: users_db, food_db, order_db, payment_db

User: root / root (change in application.yml if needed).

Bring-up order:

- 1) Start Eureka
- 2) Start UserManagement, Food, Order, Payment
- 3) Start API Gateway
- 4) (Optional) Start Angular UI

UserManagement:

- POST /auth/register {username, password}
- POST /auth/login -> returns {token}
- GET /auth/me (Authorization: Bearer <token>)

Order Flow:

UI -> Gateway -> Order

Order -> Food (/food/reserve) to validate & total

Order -> Kafka 'order.pay.request'

Payment listens, processes, writes result to 'order.pay.result'

Order updates status to PAID/FAILED

Run:

mvn spring-boot:run in each service folder.