

Repository Directory & Developer Responsibility Guide

Restaurant Platform Engineering Team

Repository Structure

```
restaurant-platform/
  gateway/
  services/
    auth-service/
    menu-service/
    order-service/
    kds-service/
    ai-service/
    analytics-service/
  frontend/
    admin-portal/
    customer-portal/
  infra/
    docker-compose.yml
    mysql/
    mongodb/
    redis/
    kafka/
    clickhouse/
  docs/
```

Developer Directory Ownership

Nidula

Backend Ownership

```
services/order-service/
services/analytics-service/
```

Frontend Responsibility

```
frontend/admin-portal/src/features/analytics/
frontend/admin-portal/src/features/rbac/
```

Infra Ownership

```
infra/kafka/
infra/clickhouse/
docker-compose.yml (lead)
```

Role: Architecture lead, event pipeline, analytics systems.

Disara

Backend Ownership

```
services/menu-service/
```

Frontend Responsibility

```
frontend/admin-portal/src/features/menu/  
frontend/admin-portal/src/features/promotions/  
frontend/admin-portal/src/features/media/
```

Role: Menu, promotions, media uploads.

Pasindu

Backend Ownership

```
services/kds-service/  
services/ai-service/
```

Frontend Responsibility

```
frontend/customer-portal/src/features/cart/  
frontend/customer-portal/src/features/kds/  
frontend/customer-portal/src/features/waitstaff/  
frontend/customer-portal/src/features/feedback/  
frontend/customer-portal/src/features/ai-chat/
```

Infra Collaboration

```
infra/mongodb/  
infra/redis/
```

Role: Cart, KDS, AI, feedback, real-time UX.

Ishnka

Backend Ownership

```
services/auth-service/
```

Frontend Responsibility

```
frontend/customer-portal/src/features/auth/  
frontend/customer-portal/src/features/profile/  
frontend/customer-portal/src/features/notifications/  
frontend/customer-portal/src/features/preferences/
```

Infra Collaboration

```
infra/mongodb/  
infra/redis/
```

Role: Authentication, guest login, user preferences, notifications.

Shared / Cross-Team Areas

Folder	Lead
gateway/ frontend/admin-portal frontend/customer-portal docs/	Assigned later (DevOps + Lead) Lead: Nidula, Support: Disara Lead: Pasindu, Support: Ishnka All developers update

Service Structure Requirements

Spring Boot Services Must Contain

```
src/main/java/.../controller/  
src/main/java/.../service/  
src/main/java/.../repository/  
src/main/java/.../dto/  
src/main/java/.../config/  
src/main/resources/db/migration/
```

Python AI Service Structure

```
services/ai-service/  
    app.py  
    routers/  
    models/  
    embeddings/  
    requirements.txt  
    tests/
```

Collaboration Rules

- Work only in your assigned directories unless coordinated
- Use pull requests for all cross-service changes
- Code reviews required for shared modules
- Follow consistent naming, linting, and commit format

Summary Table

Developer	Backend Services	Frontend	Infra
Nidula	Orders, Analytics	Admin Analytics + RBAC	Kafka, ClickHouse, Docker
Disara	Menu Service	Admin Menu & Promotions	MySQL (shared)
Pasindu	KDS, AI	Customer Cart + AI + Waiter	Redis, MongoDB
Ishnka	Auth Service	Customer Auth + Profile	Redis, MongoDB