

# 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.

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### 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.

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## 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.

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## 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/	Assigned later (DevOps + Lead)
frontend/admin-portal	Lead: Nidula, Support: Disara
frontend/customer-portal	Lead: Pasindu, Support: Ishnka
docs/	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