Application modules

The application consists of 27+ feature modules, each handling specific business functionality:

Core Modules

1. **Home Module** (`/home`)

- Dashboard with key metrics and statistics
- Quick access to frequently used features
- Real-time notifications and alerts

2. **Login Module** (`/login`)

- User authentication
- Credential validation
- Session initialization

3. **Profile Module** (`/profile`)

- User profile information
- Settings and preferences
- Password change functionality

Waybill Management

4. **Waybill Module** (`/waybill`)

- Create and manage waybills
- Multiple waybill types (PCP, POS, LC)
- Waybill printing and export

Services:

- `WaybillService` - Standard waybill operations
- `WaybillPcpService` - PCP waybill handling
- `WaybillPosService` - POS waybill handling
- `WaybillLcService` - LC waybill handling
- `WaybillPrintService` - Waybill printing

Scanning Operations

5. **Incoming Scan Module** (`/incoming-scan`)

- Receiving scan for incoming packages
- Delivery scan for completed deliveries
- Problem scan for issues

Services:

- `ReceivingScanService` - Handle incoming package scans
- `DeliveryScanService` - Handle delivery completion scans

6. **Outgoing Scan Module** (`/outgoing-scan`)

- Packed scan for ready-to-ship packages
- Handover scan for package transfers
- PCP handover scan

Services:

- `PackedScanService` - Packed package scanning
- `HandoverScanService` - Package handover operations
- `HandoverPcpScanService` - PCP-specific handovers

Monitoring & Tracking

7. **Tracking Module** (`/tracking`)

- Real-time package tracking
- Tracking history and status updates
- Map-based visualization (Leaflet integration)

8. **Monitoring Booking Module** (`/monitor-booking`)

- Monitor booking status
- Track booking lifecycle
- Booking analytics

9. **Monitoring Courier Module** (`/monitoring-courier`)

- Courier performance tracking
- Delivery assignments

- Courier location monitoring

Service: `MonitoringCourierService`

Package Returns

10. **Package Return Module** (`/package-return`)

- Initiate package returns
- Return request management
- Return status tracking

Service: `ReturnService`

11. **Package Return Handling Module** (`/return-handling`)

- Process return requests
- Return scanning and verification
- Return disposition

Reports & Analytics

12. **Reports Module** (`/reports`)

Comprehensive reporting system with multiple report types:

Services:

- `ReportService` - Main reporting service
- `MonitoringPaketKirimService` - Shipment monitoring reports
- `MonitoringManifestService` - Manifest reports
- `MonitoringPickupService` - Pickup reports
- `HistoryScanService` - Scan history reports
- `TotalPickupReportService` - Pickup totals
- `TotalDeliveryReportService` - Delivery totals
- `MonitoringSlaService` - SLA monitoring
- `MonitoringDestinationService` - Destination reports
- `FinanceService` - Financial reports

13. **Reports DC Module** (`/reports-dc`)

- Distribution Center specific reports
- DC performance metrics

- Inventory reports

Financial Management

14. **Finance Management Module** (`/finance-management`)

- Financial transactions
- Payment tracking
- Invoice management

Service: `FinanceManagementService`

15. **Tariff Module** (`/tariff`)

- Pricing configuration
- Tariff calculation
- Rate management

16. **Saldo Module** (`/saldo`)

- Account balance tracking
- Transaction history
- Balance top-up

Partner & User Management

17. **Mitra Courier Module** (`/mitra-courier`)

- Courier partner management
- Partner registration and verification
- Performance tracking

18. **User Management Module** (`/customer-manage`)

- User administration
- Role and permission management
- User activity tracking

19. **Account Management Module** (`/account-management`)

- Account operations
- Account settings
- Access control

Service: `AccountManagementService`

Logistics Operations

20. **Trucking Module** (`/trucking`)

- Trucking fleet management
- Shipment assignments
- Route optimization

Services:

- `TruckingService` - Trucking operations
- `TruckingShipmentService` - Shipment management

21. **Manifest Module** (`/manifest`)

- Manifest creation and management
- Package grouping
- Manifest tracking

22. **Manual Handling Module** (`/manual-handling`)

- Manual package processing
- Exception handling
- Manual data entry

Service: `ManualHandlingService`

23. **POD Approval Module** (`/pod-management`)

- Proof of Delivery approval workflow
- POD verification
- Dispute resolution

Service: `PodApprovalService`

Integration & Communication

24. **Marketplace Module** (`/marketplace`)

- Marketplace integration
- Order synchronization

- Marketplace-specific operations

Service: `MarketplaceService`

25. **Indopaket Module** (`/indopaket`)

- Indopaket integration
- Regional package handling
- Indopaket-specific workflows

Service: `IndopaketService`

26. **Notification Module** (`/notification`)

- In-app notifications
- Notification preferences
- Alert management

Service: `NotificationService`

Utility Modules

27. **Models Module** (`/models`)

- Data model definitions
- Type interfaces
- Enums and constants

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