Directory Structure

```
ondelivery-api/
├── ondeliv-backend.js          # Main application entry point
├── package.json                # Dependencies and scripts
├── README.md                   # Basic project information
├── BACKEND_DOCUMENTATION.md    # This file
│
├── app/                        # Application code
│   ├── config/                 # Configuration files
│   │   ├── api.js              # External API endpoints
│   │   ├── auth.config.js      # JWT secret configuration
│   │   └── db.config.js        # Database connection config
│   │
│   ├── controllers/            # Business logic controllers
│   │   ├── 3p/                 # 3rd-party courier integrations
│   │   │   ├── jne.controller.js
│   │   │   ├── lion-parcel.controller.js
│   │   │   ├── jt-cargo.controller.js
│   │   │   ├── anteraja.controller.js
│   │   │   └── sapx.controller.js
│   │   ├── auth/               # Authentication controllers
│   │   ├── check-fee/          # Fee calculation logic
│   │   ├── driver-app/         # Driver mobile app
│   │   ├── finance/            # Financial operations
│   │   ├── incoming-scans/     # Receiving, delivery, problems
│   │   ├── marketplace/        # Marketplace integrations
│   │   ├── outgoing-scans/     # Packing, handover operations
│   │   ├── quality-management/ # Weight, POD, POP
│   │   ├── reports/            # Report generation
│   │   ├── trucking/           # Trucking operations
│   │   └── waybill/            # Waybill CRUD operations
│   │
│   ├── middleware/             # Express middleware
│   │   ├── authJwt.js          # JWT token verification
│   │   ├── passport.js         # Passport strategies
│   │   └── error_param_handler.js # Error handling
```

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│   │
│   ├── models/              # Sequelize ORM models (52+ models)
│   │   ├── index.js         # Model aggregation
│   │   ├── scans.model.js   # Tracking status records
│   │   ├── partners.model.js  # Courier partner data
│   │   ├── user.model.js    # User accounts
│   │   ├── waybill_numbers.model.js # AWB tracking
│   │   ├── resi_3p.model.js  # 3P waybill mapping
│   │   └── [48+ other models]
│   │
│   ├── routes/              # API route definitions
│   │   ├── auth.routes.js   # Authentication endpoints
│   │   ├── waybill/         # Waybill routes
│   │   ├── incoming_scans/  # Incoming scan routes
│   │   ├── outgoing_scans/  # Outgoing scan routes
│   │   ├── reports/         # Report routes
│   │   ├── 3p.routes.js     # 3P integration webhooks
│   │   └── [35+ route files]
│   │
│   ├── schemas/             # JSON validation schemas (AJV)
│   │   └── [validation definitions]
│   │
│   ├── schedulers/          # Cron job definitions
│   │   ├── update-resi-status.js
│   │   └── transaction-terminator.js
│   │
│   ├── status/              # Status mapping JSON files
│   │   └── [courier status mappings]
│   │
│   ├── utility/             # Helper utilities
│   │   ├── check-fee.util.js  # Fee calculation helpers
│   │   ├── service.util.js  # Service utilities
│   │   ├── waybill.util.js  # Waybill helpers
│   │   └── web-hook.js      # Webhook utilities
│   │
│   ├── maping/              # Data mapping files
│   │   └── jntcargo-special-pricing.json
│   │
│   └── fonts/               # Custom fonts for PDF generation
│
├── assets/                  # Static assets
```

```
├── resources/                # Resource files
│   └── temp/                 # Temporary files
│       ├── img/              # Image uploads
│       │   ├── pickup/
│       │   ├── delivery/
│       │   ├── pickup_eatsok/
│       │   ├── delivery_eatsok/
│       │   └── agent/
│       └── [generated files]
│
├── scripts/                  # Utility scripts
├── tests/                    # Test files
├── check_fee_test.js         # Fee calculation tests
├── check_price.js            # Price checking script
└── debug_provinces.js        # Province debugging utility
```

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