Driver's Klub Backend - Documentation

This directory contains all project documentation for the Driver's Klub backend system.

📚 Documentation Index

Core System Documentation

- **MASTER_PROJECT_DOCUMENTATION.md** - Complete system architecture, data models, and setup guide
- **API_REFERENCE.md** - Comprehensive API endpoint documentation
- **PROJECT_DETAILS.md** - Detailed technical specifications
- **MMT_INTEGRATION_GUIDE.md** - Partner integration specs (MakeMyTrip)

> 📥 **Download All Documentation as PDFs**

Team-Specific Guides

- **FLUTTER_DRIVER_API_GUIDE.md** - API guide for Flutter mobile team (driver app)
- **REACT_ADMIN_API_GUIDE.md** - API guide for React admin dashboard team

Payment System Documentation

- **PAYMENT_SYSTEM_DOCUMENTATION.md** - Complete payment & payout system specification
- **POSTMAN_EASEBUZZ_GUIDE.md** - Step-by-step testing guide for Payments

> **Note:** *Payment API endpoints are documented in API_REFERENCE.md*

📖 Quick Navigation

For Developers

Getting Started:

1. Read MASTER_PROJECT_DOCUMENTATION.md for system overview
2. Review API_REFERENCE.md for endpoint details
3. Check team-specific guides for integration

Payment System:

1. Read PAYMENT_SYSTEM_DOCUMENTATION.md for complete specs
2. Check API_REFERENCE.md for all payment endpoints

For Mobile Team (Flutter)

Start with FLUTTER_DRIVER_API_GUIDE.md - Contains:

- Driver authentication flow
- Trip management APIs
- Attendance APIs
- Real-time tracking
- Code examples in Dart

For Admin Dashboard Team (React)

Start with REACT_ADMIN_API_GUIDE.md - Contains:

- Admin authentication
- Fleet & driver management
- Trip assignment & monitoring
- Analytics endpoints
- Code examples in JavaScript

🔄 Updating Documentation

Regenerate Payment System PDF

```
npx tsx scripts/generate-all-pdfs.ts
```

Documentation Standards

- Use GitHub-flavored Markdown
- Include code examples for all endpoints
- Add mermaid diagrams for complex flows
- Keep examples up-to-date with actual API responses

📊 Documentation Coverage

Module	Documentation	Status
Authentication	✅ Complete	API Reference, Team Guides
Fleet Management	✅ Complete	API Reference, Master Docs
Driver Management	✅ Complete	API Reference, Team Guides
Vehicle Management	✅ Complete	API Reference
Attendance	✅ Complete	API Reference, Team Guides
Trip Management	✅ Complete	API Reference, Team Guides
Pricing	✅ Complete	API Reference
Payment System	✅ Complete	Dedicated Documentation
Partner Integration (MMT)	✅ Complete	API Reference

🆕 Latest Updates

January 7, 2026
- ✅ **Documentation Suite Finalized** - Added PDFs, Postman Guides, and Architectural Specs.
- ✅ **Rental Model Documented** - Full coverage of Driver Rental Plans.

December 30, 2025
- ✅ **Payment System Implementation Complete!**
- ✅ Built 5 core payment services (rental, penalty, incentive, payout, virtual QR)
- ✅ Integrated Easebuzz Payment Gateway, Payouts, and Virtual Accounts
- ✅ Created 20+ payment API endpoints (driver + admin)
- ✅ Implemented penalty waiver system with full audit trail
- ✅ Added automatic deposit deduction for rental model penalties
- ✅ Created comprehensive implementation summary

December 29, 2025
- ✅ Added comprehensive Payment & Payout System documentation
- ✅ Created payment module folder structure guide
- ✅ Generated PDF version of payment system docs

December 26, 2025
- ✅ Updated all documentation to reflect production-ready status
- ✅ Added comprehensive API reference
- ✅ Created team-specific integration guides

For questions or clarifications, refer to the specific documentation file or contact the backend team.