

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

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
- [PAYMENT SYSTEM DOCUMENTATION.pdf](#) - PDF version

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

```
node scripts/convert-to-pdf.js
```

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

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.