

# Driver's Klub Backend - Documentation

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

## Documentation Index

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### 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](#)

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## Quick Navigation

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### 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

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### 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

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