

# 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](#)

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## 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
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## 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
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## 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

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## 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

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