

# Complete API Reference

**Version:** 4.5.0 (MMT Tracking Complete + Public Booking + Referrals)

**Base URL (Development):** `http://localhost:3000` (API Gateway)

**Base URL (Staging):** `https://driversklub-backend.onrender.com`

**Base URL (Production):** AWS Elastic Beanstalk `driversklub-backend-env`

**Last Updated:** January 23, 2026

**Last Verified:** January 23, 2026

## What's New in v4.5.0

- **MMT Integration Complete** - Full inbound + outbound tracking with MakeMyTrip
  - Inbound: search, block, paid, cancel, reschedule, booking details
  - Dispatch events: assign, reassign, unassign
  - Track events: start, arrived, boarded, alight, not-boarded, location
  - Automatic `providerBookingId` storage from paid endpoint
- **Public Booking API** - Customers can now book trips without authentication
- **Referral System** - Drivers can refer other drivers and earn incentives
- **Enhanced KYC** - Full driver KYC with Aadhar, PAN, Bank details, and vehicle documents
- **FLEET\_ADMIN Role** - New role for fleet-level administration
- **Vehicle Identification** - Chassis number, VIN, and insurance date fields

## Architecture Overview

This API is built on a **microservices architecture** with 6 independent services behind an API Gateway:

- **API Gateway** (Port 3000) - Routes all requests
- **Auth Service** (Port 3001) - Authentication & user management
- **Driver Service** (Port 3002) - Driver profiles & attendance
- **Vehicle Service** (Port 3003) - Vehicles, fleets & managers
- **Assignment Service** (Port 3004) - Driver-vehicle assignments
- **Trip Service** (Port 3005) - Trips, payments, pricing & partners
- **Notification Service** (Port 3006) - Real-time notifications

**Total Endpoints:** 120+

**Note:** All requests should go through the API Gateway. Individual service ports are for internal communication only.

## Table of Contents

- [Authentication](#)
- [Core Endpoints](#)
  - [Health Check](#)
  - [Auth](#)
  - [Users](#)
  - [Drivers](#)
  - [Fleet Management](#)
- [Public Booking API](#)

- [Referral System](#)
    - [Vehicles](#)
    - [Assignments](#)
    - [Attendance](#)
    - [Trips](#)
    - [Admin Trips](#)
    - [Pricing](#)
  - [Partner Integrations](#)
    - [MakeMyTrip \(MMT\)](#)
  - [Webhooks](#)
  - [Error Handling](#)
  - [Rate Limiting](#)
  - [Support](#)
    - [Payment System](#)
  - [Rapido \(Fleet\)](#)
- 

## Authentication

---

All authenticated endpoints require a valid JWT token in the `Authorization` header:

```
Authorization: Bearer <access_token>
```

## User Roles

---

- `SUPER_ADMIN` - Full system access
  - `FLEET_ADMIN` - Fleet-level administration (manages their own fleet)
  - `OPERATIONS` - Operations team access
  - `MANAGER` - Fleet/Hub manager access
  - `DRIVER` - Driver-specific access
- 

## Core Endpoints

---

### Health Check

**GET** `/health`

Check server and database connectivity.

**Authentication:** None

**Response:**

```
{  
  "status": "ok",  
  "service": "drivers-klub-backend",  
  "database": "connected",  
  "timestamp": "2025-12-26T15:51:32.202Z"  
}
```

## Auth

### POST /auth/send-otp

Send OTP to user's phone number.

**Authentication:** None

**Request Body:**

```
{  
  "phone": "9876543210"  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "OTP sent successfully"  
}
```

**Notes:**

- OTP is sent via Exotel SMS
- Set `EXOTEL_BASE_URL` for a custom Exotel subdomain (optional)
- Use `EXOTEL_SMS_ENDPOINT=sendCopy` if your Exotel account requires the sendCopy API
- For India DLT compliance, set `EXOTEL_DLT_ENTITY_ID` and `EXOTEL_DLT_TEMPLATE_ID`
- Ensure `EXOTEL_SMS_BODY_TEMPLATE` matches your registered DLT template and includes `\{{otp}\}`
- OTP expires in 5 minutes (configurable)
- Maximum 3 verification attempts per OTP

### POST /auth/verify-otp

Verify OTP and authenticate user.

**Authentication:** None

**Request Body:**

```
{  
  "phone": "9876543210",
```

```
        "otp": "123456"
    }
```

#### Response:

```
{
  "success": true,
  "data": {
    "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",
    "refreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",
    "user": {
      "id": "uuid",
      "name": "Rajesh Kumar",
      "phone": "9876543210",
      "role": "DRIVER",
      "isActive": true
    }
  }
}
```

#### Security:

- OTP is deleted after successful verification (prevents reuse)

#### Request Headers (Optional):

```
x-client-type: app
```

#### Token Expiry:

- **Access Token:** 15 minutes (all clients)
- **Refresh Token:**
  - Mobile App ( `x-client-type: app` ): 30 days
  - Web Client ( `x-client-type: web` ): 1 day
  - Default (no header): 1 day

**Note:** Set `x-client-type` header to control refresh token expiry duration.

---

#### POST /auth/refresh

Refresh access token using refresh token.

**Authentication:** None

#### Request Body:

```
{
  "refreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
}
```

**Response:**

```
{  
  "success": true,  
  "data": {  
    "accessToken": "new_access_token",  
    "refreshToken": "new_refresh_token"  
  }  
}
```

**POST /auth/logout**

Logout user and revoke tokens.

**Authentication:** Optional (Bearer token)

**Request Body:**

```
{  
  "refreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "Logged out successfully"  
}
```

## Driver Onboarding (New)

**POST /users/drivers/verify**

Check if a driver phone number is already registered or eligible for signup.

**Authentication:** None

**Request Body:**

```
{  
  "phone": "9876543210"  
}
```

**Response (Success):**

```
{  
  "success": true,  
  "message": "OTP sent successfully"  
}
```

*Note: If user exists, returns 404/400 Conflict message.*

#### **POST /users/drivers/verifyOtp**

Verify the OTP for driver registration.

##### **Request Body:**

```
{  
  "phone": "9876543210",  
  "otp": "123456"  
}
```

##### **Response:**

```
{  
  "success": true,  
  "message": "OTP verified successfully"  
}
```

#### **POST /users/drivers/signup**

Create a new Driver account (User + Driver Profile).

##### **Request Body:**

```
{  
  "name": "New Driver",  
  "phone": "9876543210"  
}
```

##### **Response:**

```
{  
  "success": true,  
  "data": {  
    "id": "user-uuid",  
    "name": "New Driver",  
    "role": "DRIVER",  
    "isActive": true  
  }
```

```
    }
}
```

## Users

All user endpoints require authentication (except Public Signup).

### POST /users/drivers/verify

Check if a phone number is already registered.

**Authentication:** None (Public)

**Request Body:**

```
{
  "phone": "9876543210"
}
```

**Response:**

```
{
  "success": true,
  "message": "OTP sent successfully",
  "data": {
    "message": "OTP sent successfully"
  }
}
```

**Note:** If user already exists, returns error 404 with message "User already registered".

### POST /users/drivers/verifyOtp

Verify OTP for signup (if different from Auth OTP).

**Authentication:** None (Public)

**Request Body:**

```
{
  "phone": "9876543210",
  "otp": "123456"
}
```

**Response:**

```
{  
  "success": true,  
  "message": "OTP Verified"  
}
```

#### POST /users/drivers/signup

Create a new Driver account (Public Self-Registration).

**Authentication:** None (Public)

#### Request Body:

```
{  
  "name": "Raju Pilot",  
  "phone": "9876543210",  
  "referralCode": "REF123", // Optional  
  "vehicleDetails": { // Optional (if creating vehicle)  
    "vehicleNumber": "DL01ABC1234",  
    "model": "Tata Nexon EV"  
  }  
}
```

#### Response:

```
{  
  "success": true,  
  "data": {  
    "user": { "id": "...", "role": "DRIVER" },  
    "token": "..." // Auto-login token  
  }  
}
```

#### POST /users

Create a new user.

**Authentication:** Required

**Roles:** SUPER\_ADMIN

#### Request Body:

```
{  
  "name": "John Doe",  
  "phone": "9876543210",  
  "role": "DRIVER",  
}
```

```
        "isActive": true  
    }
```

**Response:**

```
{  
    "success": true,  
    "data": {  
        "id": "uuid",  
        "name": "John Doe",  
        "phone": "9876543210",  
        "role": "DRIVER",  
        "isActive": true,  
        "createdAt": "2025-12-26T10:00:00.000Z"  
    }  
}
```

**GET /users**

Get all users.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Response:**

```
{  
    "success": true,  
    "data": [  
        {  
            "id": "uuid",  
            "name": "John Doe",  
            "phone": "9876543210",  
            "role": "DRIVER",  
            "isActive": true  
        }  
    ]  
}
```

**GET /users/:id**

Get user by ID.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Response:**

```
{  
    "success": true,
```

```
        "data": {
            "id": "uuid",
            "name": "John Doe",
            "phone": "9876543210",
            "role": "DRIVER",
            "isActive": true
        }
    }
```

#### PATCH /users/:id/deactivate

Deactivate a user.

**Authentication:** Required

**Roles:** SUPER\_ADMIN

#### Response:

```
{
    "success": true,
    "message": "User deactivated successfully"
}
```

## Drivers

All driver endpoints require authentication.

#### POST /drivers/new-driver-onboard

Complete driver onboarding with full KYC (Public - for driver app signup flow).

**Authentication:** None (Public endpoint)

#### Request Body:

```
{
    "userId": "uuid-from-signup",
    "firstName": "Raj",
    "lastName": "Kumar",
    "mobile": "9876543210",
    "email": "raj@example.com",
    "dob": "1990-05-15T00:00:00.000Z",
    "address": "123 Main Street, Sector 29",
    "city": "Gurgaon",
    "pincode": 122001,

    "aadharNumber": 123456789012,
    "panNumber": "ABCDE1234F",
    "drivingLicenceNumber": "DL-0120230012345",
    "gstNumber": "22AAAAA0000A1Z5",

    "aadharFront": "https://s3.amazonaws.com/aadhaar-front.jpg",
```

```

    "aadharBack": "https://s3.amazonaws.com/aadhaar-back.jpg",
    "panPhoto": "https://s3.amazonaws.com/pan.jpg",
    "driverAgreement": "https://s3.amazonaws.com/agreement.pdf",
    "policeVerification": "https://s3.amazonaws.com/pcv.jpg",
    "currentAddressProof": "https://s3.amazonaws.com/current-address.jpg",
    "permanentAddressProof": "https://s3.amazonaws.com/permanent-address.jpg",

    "haveVehicle": true,
    "vehicleModel": "Tata Tigor EV",
    "vehicleType": "SEDAN",
    "registrationNumber": "DL01AB1234",
    "fuelType": "ELECTRIC",
    "ownerName": "Raj Kumar",
    "rcFrontImage": "https://s3.amazonaws.com/rc-front.jpg",
    "rcBackImage": "https://s3.amazonaws.com/rc-back.jpg",

    "referralCode": "REF123ABC"
}

```

#### Response (201):

```
{
  "success": true,
  "data": {
    "id": "driver-uuid",
    "firstName": "Raj",
    "lastName": "Kumar",
    "mobile": "9876543210",
    "kycStatus": "PENDING",
    "vehicleId": "vehicle-uuid"
  },
  "message": "Documents Uploaded, KYC pending for verification"
}
```

#### Process:

1. Creates driver profile with all KYC data
2. If `haveVehicle: true`, creates vehicle and links it to driver
3. If `referralCode` provided, creates referral record
4. Generates unique referral code for new driver

#### POST /drivers

Create a new driver profile (Admin).

**Authentication:** Required

**Roles:** SUPER\_ADMIN , FLEET\_ADMIN , OPERATIONS , MANAGER

#### Request Body:

```
{
  "userId": "uuid",
```

```

    "fleetId": "uuid",
    "firstName": "Rajesh",
    "lastName": "Kumar",
    "mobile": "9876543210",
    "licenseNumber": "DL-0120230012345",
    "profilePic": "https://example.com/photo.jpg",
    "licenseFront": "https://example.com/license-front.jpg",
    "licenseBack": "https://example.com/license-back.jpg",
    "aadharFront": "https://example.com/aadhaar-front.jpg",
    "aadharBack": "https://example.com/aadhaar-back.jpg",
    "panCardImage": "https://example.com/pan.jpg",
    "livePhoto": "https://example.com/live.jpg",
    "bankIdProof": "https://example.com/bank-proof.jpg",
    "kycStatus": "PENDING",
    "status": "ACTIVE",
    "isAvailable": true
}

```

**Response:**

```
{
  "success": true,
  "data": {
    "id": "uuid",
    "userId": "uuid",
    "fleetId": "uuid",
    "firstName": "Rajesh",
    "lastName": "Kumar",
    "mobile": "9876543210",
    "licenseNumber": "DL-0120230012345",
    "kycStatus": "PENDING",
    "status": "ACTIVE",
    "isAvailable": true
  }
}
```

**GET /drivers/fleet/:fleetId**

Get all drivers for a specific fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Response:**

```
{
  "success": true,
  "data": [
    {
      "id": "uuid",
      "firstName": "Rajesh",
      "lastName": "Kumar",

```

```
        "mobile": "9876543210",
        "status": "ACTIVE",
        "isAvailable": true
    }
]
}
```

#### GET /drivers/hub/:hubId

Get all drivers for a specific hub.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Response:**

```
{
  "success": true,
  "data": [
    {
      "id": "uuid",
      "firstName": "Rajesh",
      "lastName": "Kumar",
      "mobile": "9876543210",
      "hubId": "uuid"
    }
  ]
}
```

#### GET /drivers/me

Get current driver's profile.

**Authentication:** Required

**Roles:** DRIVER

**Response:**

```
{
  "success": true,
  "data": {
    "id": "uuid",
    "firstName": "Rajesh",
    "lastName": "Kumar",
    "mobile": "9876543210",
    "licenseNumber": "DL-0120230012345",
    "kycStatus": "APPROVED",
    "status": "ACTIVE",
    "isAvailable": true,
    "fleet": {
      "id": "uuid",
      "name": "Delhi Cabs Pvt Ltd",
    }
  }
}
```

```

        "city": "DELHI"
    },
    "assignments": [
        {
            "id": "assignment-uuid",
            "status": "ACTIVE",
            "startDate": "2026-01-12T00:00:00Z",
            "vehicle": {
                "id": "vehicle-uuid",
                "vehicleNumber": "DL10CA1234",
                "vehicleName": "Tata Tigor EV",
                "fuelType": "ELECTRIC",
                "vehicleType": "SEDAN"
            }
        }
    ]
}

```

**Note:** The `assignments` array contains the currently assigned vehicle. If no vehicle is assigned, it will be empty.

```

---
#### GET `/drivers/:id`

Get driver by ID.

**Authentication:** Required
**Roles:** `SUPER_ADMIN`, `OPERATIONS`, `MANAGER`

**Response:**

```json
{
    "success": true,
    "data": {
        "id": "uuid",
        "firstName": "Rajesh",
        "lastName": "Kumar",
        "mobile": "9876543210",
        "licenseNumber": "DL-0120230012345",
        "kycStatus": "APPROVED",
        "status": "ACTIVE"
    }
}
```

```

## PATCH /drivers/:id

Update driver details.

**Authentication:** Required

**Roles:** `SUPER_ADMIN` , `OPERATIONS` , `MANAGER`

**Request Body:**

```
{  
    "firstName": "Rajesh",  
    "lastName": "Kumar",  
    "mobile": "9876543210",  
    "email": "rajesh@example.com",  
    "dob": "1990-05-15T00:00:00.000Z",  
    "address": "123 Main Street",  
    "city": "Delhi",  
    "pincode": "110001",  
    "profilePic": "https://example.com/photo.jpg",  
  
    "aadharNumber": "123456789012",  
    "panNumber": "ABCDE1234F",  
    "dlNumber": "DL-0120230012345",  
    "licenseNumber": "DL-0120230012345",  
    "gstNumber": "22AAAAA0000A1z5",  
  
    "bankAccountNumber": "1234567890123456",  
    "bankIfscCode": "HDFC0001234",  
    "bankAccountName": "Rajesh Kumar",  
  
    "licenseFront": "https://example.com/license-front.jpg",  
    "licenseBack": "https://example.com/license-back.jpg",  
    "aadharFront": "https://example.com/aadhaar-front.jpg",  
    "aadharBack": "https://example.com/aadhaar-back.jpg",  
    "panCardImage": "https://example.com/pan.jpg",  
    "livePhoto": "https://example.com/live.jpg",  
    "bankIdProof": "https://example.com/bank-proof.jpg",  
  
    "rcFrontImage": "https://example.com/rc-front.jpg",  
    "rcBackImage": "https://example.com/rc-back.jpg",  
    "fitnessImage": "https://example.com/fitness.jpg",  
    "fitnessExpiry": "2026-12-31T00:00:00.000Z",  
    "insuranceImage": "https://example.com/insurance.jpg",  
    "insuranceStart": "2024-01-01T00:00:00.000Z",  
    "insuranceExpiry": "2025-12-31T00:00:00.000Z",  
    "chassisNumber": "MA1AB2CD3EF456789",  
    "vinNumber": "1HGBH41JXMN109186"  
}
```

**Field Categories:**

| Category     | Fields  |
|--------------|---|
| Basic Info   | firstName , lastName , mobile , email , dob , address , city , pincode , profilePic |
| KYC Values   | aadharNumber , panNumber , dlNumber , licenseNumber , gstNumber                     |
| Bank Details | bankAccountNumber , bankIfscCode , bankAccountName                                  |

|                      |   |
|----------------------|---|
| KYC<br>Attachments   | licenseFront , licenseBack , aadharFront , aadharBack , panCardImage , livePhoto , bankIdProof  |
| Vehicle<br>Documents | rcFrontImage , rcBackImage , fitnessImage , fitnessExpiry , insuranceImage , insuranceStart , insuranceExpiry , chassisNumber , vinNumber |

**Note:** Vehicle document fields ( rcFrontImage , rcBackImage , fitnessImage , insuranceImage , chassisNumber , vinNumber , etc.) are only updated if the driver has an assigned vehicle.

#### Response:

```
{
  "success": true,
  "data": {
    "id": "uuid",
    "firstName": "Rajesh",
    "lastName": "Kumar"
  }
}
```

#### PATCH /drivers/:id/status

Update driver status.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{
  "status": "ACTIVE"
}
```

#### Possible Status Values:

- ACTIVE
- INACTIVE
- SUSPENDED

#### PATCH /drivers/:id/availability

Update driver availability.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

#### Request Body:

```
{
  "isAvailable": true
}
```

```
}
```

## Fleet Management

All fleet endpoints require authentication.

### POST /fleets

Create a new fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN

#### Request Body:

```
{
  "name": "Demo Fleet Pvt Ltd",
  "city": "GURGAON",
  "mobile": "9876543210",
  "fleetAdminName": "Fleet Admin",
  "panNumber": "ABCDE1234F",
  "fleetType": "COMPANY",
  "status": "ACTIVE"
}
```

#### Notes:

- `fleetAdminName` is required to create the Fleet Admin user
- Fleet Admin mobile uses the same `mobile` as the Fleet
- `modeId` is optional; defaults to `CAB` if omitted

\*\*Fleet Types:\*\*

- `COMPANY`
- `INDIVIDUAL`

\*\*Response:\*\*

```
```json
{
  "success": true,
  "data": {
    "id": "uuid",
    "name": "Demo Fleet Pvt Ltd",
    "city": "GURGAON",
    "mobile": "9876543210",
    "status": "ACTIVE"
  }
}
```

**GET /fleets**

Get all fleets.

**Authentication:** Required**Roles:** SUPER\_ADMIN , OPERATIONS**Response:**

```
{  
  "success": true,  
  "data": [  
    {  
      "id": "uuid",  
      "name": "Demo Fleet Pvt Ltd",  
      "city": "GURGAON",  
      "status": "ACTIVE"  
    }  
  ]  
}
```

**GET /fleets/:id**

Get fleet by ID.

**Authentication:** Required**Roles:** SUPER\_ADMIN , OPERATIONS**Response:**

```
{  
  "success": true,  
  "data": {  
    "id": "uuid",  
    "name": "Demo Fleet Pvt Ltd",  
    "city": "GURGAON",  
    "mobile": "9876543210",  
    "panNumber": "ABCDE1234F",  
    "status": "ACTIVE"  
  }  
}
```

**PATCH /fleets/:id/deactivate**

Deactivate a fleet.

**Authentication:** Required**Roles:** SUPER\_ADMIN**Response:**

```
{  
  "success": true,  
  "message": "Fleet deactivated successfully"  
}
```

#### POST /fleets/:id/hubs

Create a hub for a fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{  
  "name": "Gurgaon Hub",  
  "location": "Sector 29, Gurgaon",  
  "city": "GURGAON"  
}
```

#### Response:

```
{  
  "success": true,  
  "data": {  
    "id": "uuid",  
    "name": "Gurgaon Hub",  
    "fleetId": "uuid",  
    "location": "Sector 29, Gurgaon",  
    "city": "GURGAON"  
  }  
}
```

#### GET /fleets/:id/hubs

Get all hubs for a fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Response:

```
{  
  "success": true,  
  "data": [  
    {  
      "id": "uuid",  
      "name": "Gurgaon Hub",  
    }  
  ]  
}
```

```
        "location": "Sector 29, Gurgaon",
        "city": "GURGAON"
    }
]
}
```

#### POST /fleets/:id/hub-managers

Create a hub manager for a fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{
  "userId": "uuid",
  "name": "Manager Name",
  "phone": "9876543210"
}
```

#### Response:

```
{
  "success": true,
  "data": {
    "id": "uuid",
    "userId": "uuid",
    "fleetId": "uuid",
    "name": "Manager Name",
    "phone": "9876543210"
  }
}
```

#### GET /fleets/:id/hub-managers

Get all hub managers for a fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Response:

```
{
  "success": true,
  "data": [
    {
      "id": "uuid",
      "name": "Manager Name",
      "phone": "9876543210"
    }
  ]
}
```

```
        }
    ]
}
```

---

#### GET /fleets/hub-manager/:id

Get hub manager by ID.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Response:

```
{
  "success": true,
  "data": {
    "id": "uuid",
    "name": "Manager Name",
    "phone": "9876543210",
    "fleetId": "uuid"
  }
}
```

---

#### POST /fleets/hubs/:hubId/assign-manager

Assign a manager to a hub.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{
  "managerId": "uuid"
}
```

#### Response:

```
{
  "success": true,
  "message": "Manager assigned to hub successfully"
}
```

---

#### POST /fleets/hubs/:id/add-vehicle

Add a vehicle to a hub.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Request Body:**

```
{  
  "vehicleId": "uuid"  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "Vehicle added to hub successfully"  
}
```

**POST** /fleets/hubs/:id/add-driver

Add a driver to a hub.

**Authentication:** Required**Roles:** SUPER\_ADMIN , OPERATIONS**Request Body:**

```
{  
  "driverId": "uuid"  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "Driver added to hub successfully"  
}
```

**POST** /fleets/hubs/:id/remove-vehicle

Remove a vehicle from a hub.

**Authentication:** Required**Roles:** SUPER\_ADMIN , OPERATIONS**Request Body:**

```
{  
  "vehicleId": "uuid"  
}
```

```
}
```

#### Response:

```
{
  "success": true,
  "message": "Vehicle removed from hub successfully"
}
```

### POST /fleets/hubs/:id/remove-driver

Remove a driver from a hub.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{
  "driverId": "uuid"
}
```

#### Response:

```
{
  "success": true,
  "message": "Driver removed from hub successfully"
}
```

### GET /drivers/:id/preference

Get current driver preferences.

**Authentication:** Required **Roles:** DRIVER

#### Response:

```
{
  "success": true,
  "data": {
    "preferences": {
      "smokingAllowed": false,
      "musicPreference": "Rock",
      "acPreferred": true
    }
  }
}
```

```
    }
}
```

---

#### POST /drivers/:id/preference/update

Request a change in driver preferences.

**Authentication:** Required Roles: DRIVER

#### Request Body:

```
{
  "requestedPreference": {
    "smokingAllowed": true
  }
}
```

#### Response:

```
{
  "success": true,
  "data": {
    "id": "uuid",
    "status": "PENDING",
    "requestedPreference": { "smokingAllowed": true }
  },
  "message": "Preference change request submitted successfully"
}
```

---

#### GET /drivers/preference/pending-requests

Get all pending preference change requests.

**Authentication:** Required Roles: SUPER\_ADMIN , OPERATIONS

#### Response:

```
{
  "success": true,
  "data": [
    {
      "id": "uuid",
      "driverId": "uuid",
      "driverName": "Rajesh Kumar",
      "currentPreference": { "smokingAllowed": false },
      "requestedPreference": { "smokingAllowed": true },
      "status": "PENDING",
      "requestAt": "2026-01-08T10:00:00Z"
    }
  ]
}
```

```
    ]  
}
```

#### POST /drivers/preference/update-status

Approve or reject a preference change request.

**Authentication:** Required **Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{  
  "requestId": "uuid",  
  "status": "APPROVED",  
  "rejectionReason": "Optional reason if rejected"  
}
```

#### Response:

```
{  
  "success": true,  
  "message": "Preference request status updated successfully"  
}
```

## Vehicles

All vehicle endpoints require authentication.

#### POST /vehicles

Create a new vehicle.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{  
  "fleetId": "uuid",  
  "vehicleNumber": "DL01AB1234",  
  "vehicleName": "Tata Tigor EV",  
  "vehicleModel": "Tigor EV 2024",  
  "vehicleColor": "White",  
  "fuelType": "ELECTRIC",  
  "ownership": "OWNED",  
  "ownerName": "Fleet Owner Name",  
  "status": "ACTIVE",  
  
  "chassisNumber": "MA1AB2CD3EF456789",
```

```

    "vinNumber": "1HGBH41JXMN109186",

    "rcFrontImage": "https://example.com/rc-front.jpg",
    "rcBackImage": "https://example.com/rc-back.jpg",
    "permitImage": "https://example.com/permit.jpg",
    "permitExpiry": "2034-12-31",
    "fitnessImage": "https://example.com/fitness.jpg",
    "fitnessExpiry": "2026-12-31",
    "insuranceImage": "https://example.com/insurance.jpg",
    "insuranceStart": "2024-01-01",
    "insuranceExpiry": "2025-12-31"
}

```

#### **Vehicle Identification Fields:**

Field	Description
chassisNumber	Vehicle chassis number (stamped on frame)
vinNumber	Vehicle Identification Number (17-character unique identifier)

#### **Insurance Fields:**

Field	Description
insuranceImage	URL to insurance document image
insuranceStart	Insurance policy start date
insuranceExpiry	Insurance policy end/expiry date

#### **Fuel Types:**

- PETROL
- DIESEL
- CNG
- ELECTRIC

#### **Ownership Types:**

- OWNED
- LEASED

#### **Vehicle Status:**

- ACTIVE
- INACTIVE
- MAINTENANCE

#### **Response:**

```
{
  "success": true,
  "data": {

```

```
        "id": "uuid",
        "vehicleNumber": "DL01AB1234",
        "vehicleName": "Tata Tigor EV",
        "status": "ACTIVE"
    }
}
```

#### GET /vehicles/fleet/:fleetId

Get all vehicles for a fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Response:**

```
{
  "success": true,
  "data": [
    {
      "id": "uuid",
      "vehicleNumber": "DL01AB1234",
      "vehicleName": "Tata Tigor EV",
      "status": "ACTIVE"
    }
  ]
}
```

#### GET /vehicles/hub/:hubId

Get all vehicles for a hub.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Response:**

```
{
  "success": true,
  "data": [
    {
      "id": "uuid",
      "vehicleNumber": "DL01AB1234",
      "vehicleName": "Tata Tigor EV",
      "hubId": "uuid"
    }
  ]
}
```

#### GET /vehicles/:id

Get vehicle by ID.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Response:**

```
{  
  "success": true,  
  "data": {  
    "id": "uuid",  
    "vehicleNumber": "DL01AB1234",  
    "vehicleName": "Tata Tigor EV",  
    "vehicleModel": "Tigor EV 2024",  
    "fuelType": "ELECTRIC",  
    "status": "ACTIVE"  
  }  
}
```

**PATCH /vehicles/:id**

Update vehicle details.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Request Body:**

```
{  
  "vehicleName": "Tata Tigor EV",  
  "vehicleModel": "Tigor EV 2024",  
  "vehicleColor": "White"  
}
```

**Response:**

```
{  
  "success": true,  
  "data": {  
    "id": "uuid",  
    "vehicleName": "Tata Tigor EV"  
  }  
}
```

**GET /drivers/:id/preference**

Get driver preferences.

**Authentication:** Required

**Roles:** DRIVER

**Response:**

```
{  
    "success": true,  
    "statusCode": 200,  
    "message": "Driver preferences retrieved successfully",  
    "data": [  
        {  
            "key": "prefer_airport_rides",  
            "displayName": "Prefer airport rides",  
            "description": "Prioritize airport pickup and drop trips",  
            "category": "TRIP",  
            "approvalRequired": true,  
            "value": true  
        }  
    ]  
}
```

**POST /drivers/:id/preference/update**

Request preference change.

**Authentication:** Required

**Roles:** DRIVER

**Request Body:**

```
{  
    "prefer_airport_rides": true,  
    "accept_rentals": true,  
    "auto_assign_rides": true  
}
```

**Response:**

```
{  
    "success": true,  
    "message": "Preference change request submitted successfully"  
}
```

**GET /drivers/preference/pending-requests**

Get pending preference requests.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Response:**

```
{
  "success": true,
  "statusCode": 200,
  "message": "Pending preference requests retrieved successfully",
  "data": [
    {
      "id": "bd3c2df9-d58d-4b5a-8d20-2ecd8db1b63e",
      "driverId": "ad8324ca-2dea-4618-ba5e-3095fa123d06",
      "currentPreference": {
        "accept_rentals": false,
        "prefer_airport_rides": false
      },
      "requestedPreference": {
        "accept_rentals": true,
        "prefer_airport_rides": true
      },
      "status": "PENDING",
      "requestAt": "2026-01-08T04:38:38.415Z"
    }
  ]
}
```

#### **POST /drivers/preference/update-status**

Update preference request status.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### **Request Body (Approve):**

```
{
  "id": "bd3c2df9-d58d-4b5a-8d20-2ecd8db1b63e",
  "status": "APPROVED"
}
```

#### **Request Body (Reject):**

```
{
  "id": "bd3c2df9-d58d-4b5a-8d20-2ecd8db1b63e",
  "status": "REJECTED",
  "rejection_reason": "demo test"
}
```

#### **Response:**

```
{
  "success": true,
```

```
        "statusCode": 200,
        "message": "Preference change request updated successfully",
        "data": {
            "id": "bd3c2df9-d58d-4b5a-8d20-2ecd8db1b63e",
            "status": "REJECTED",
            "rejectionReason": "demo test"
        }
    }
```

#### PATCH /vehicles/:id/docs

Update vehicle documents.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{
    "rcFrontImage": "https://example.com/rc-front.jpg",
    "rcBackImage": "https://example.com/rc-back.jpg",
    "permitImage": "https://example.com/permit.jpg",
    "permitExpiry": "2034-12-31"
}
```

#### Response:

```
{
    "success": true,
    "message": "Vehicle documents updated successfully"
}
```

#### PATCH /vehicles/:id/status

Update vehicle status.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{
    "status": "ACTIVE"
}
```

#### PATCH /vehicles/:id/deactivate

Deactivate a vehicle.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Response:**

```
{  
  "success": true,  
  "message": "Vehicle deactivated successfully"  
}
```

#### PATCH\_DOCS /vehicles/:id/docs

Update vehicle documents.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Request Body:**

```
{  
  "rcFrontImage": "https://example.com/rc-front.jpg",  
  "rcBackImage": "https://example.com/rc-back.jpg",  
  "permitImage": "https://example.com/permit.jpg",  
  "permitExpiry": "2034-12-31",  
  "fitnessImage": "https://example.com/fitness.jpg",  
  "fitnessExpiry": "2026-12-31",  
  "insuranceImage": "https://example.com/insurance.jpg",  
  "insuranceExpiry": "2025-12-31"  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "Vehicle documents updated successfully"  
}
```

#### PATCH\_STATUS /vehicles/:id/status

Update vehicle status.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Request Body:**

```
{  
  "status": "ACTIVE"
```

```
}
```

#### Status Values:

- ACTIVE
- INACTIVE
- MAINTENANCE

#### Response:

```
{
  "success": true,
  "message": "Vehicle status updated successfully"
}
```

### PATCH\_DEACTIVATE /vehicles/:id/deactivate

Deactivate a vehicle.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Response:

```
{
  "success": true,
  "message": "Vehicle deactivated successfully"
}
```

## Assignments

All assignment endpoints require authentication.

### POST /assignments

Create a driver-vehicle assignment.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

#### Request Body:

```
{
  "fleetId": "uuid",
  "driverId": "uuid",
  "vehicleId": "uuid",
  "status": "ACTIVE"
}
```

**Response:**

```
{  
    "success": true,  
    "data": {  
        "id": "uuid",  
        "fleetId": "uuid",  
        "driverId": "uuid",  
        "vehicleId": "uuid",  
        "status": "ACTIVE"  
    }  
}
```

**GET /assignments/fleet/:fleetId**

Get all assignments for a fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Response:**

```
{  
    "success": true,  
    "data": [  
        {  
            "id": "uuid",  
            "driver": {  
                "id": "uuid",  
                "firstName": "Rajesh",  
                "lastName": "Kumar"  
            },  
            "vehicle": {  
                "id": "uuid",  
                "vehicleNumber": "DL01AB1234"  
            },  
            "status": "ACTIVE"  
        }  
    ]  
}
```

**GET /assignments/trip/:tripId**

Get assignments for a specific trip.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Response:**

```
{  
  "success": true,  
  "data": [  
    {  
      "id": "uuid",  
      "tripId": "uuid",  
      "driverId": "uuid",  
      "vehicleId": "uuid"  
    }  
  ]  
}
```

#### PATCH /assignments/:id/end

End an assignment.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

#### Response:

```
{  
  "success": true,  
  "message": "Assignment ended successfully"  
}
```

## Attendance

All attendance endpoints require authentication.

#### POST /attendance/check-in

Driver check-in.

**Authentication:** Required

**Roles:** Any authenticated user

#### Request Body:

```
{  
  "driverId": "uuid",  
  "location": {  
    "latitude": 28.4595,  
    "longitude": 77.0266  
  },  
  "timestamp": "2025-12-26T10:00:00.000Z"  
}
```

#### Response:

```
{
  "success": true,
  "data": {
    "id": "uuid",
    "driverId": "uuid",
    "checkInTime": "2025-12-26T10:00:00.000Z",
    "status": "PENDING"
  }
}
```

#### GET /drivers/upload-url

Generate presigned S3 URL for secure file uploads.

**Authentication:** Required

**Roles:** DRIVER, SUPER\_ADMIN, OPERATIONS, MANAGER

#### Query Parameters:

Parameter	Type	Required	Description
folder	string	Yes	selfies, odometer, documents, profiles, vehicles
fileType	string	Yes	jpg, jpeg, png, pdf

#### Request Example:

```
GET /drivers/upload-url?folder=odometer&fileType=jpg
Authorization: Bearer <ACCESS_TOKEN>
```

#### Response (200):

```
{
  "success": true,
  "data": {
    "uploadUrl": "https://s3.amazonaws.com/driversklub-assets/odometer/uuid.jpg?X-Amz-...",
    "key": "odometer/uuid.jpg",
    "url": "https://driversklub-assets.s3.ap-south-1.amazonaws.com/odometer/uuid.jpg"
  },
  "message": "Upload URL generated successfully"
}
```

#### Upload Flow:

1. Request presigned URL from this endpoint
2. Upload file to `uploadUrl` using PUT request
3. Use the `url` field in other APIs (e.g., `selfieUrl`, `odometerImageUrl`)

#### Notes:

- Presigned URLs expire in 5 minutes
  - Direct S3 upload - no file passes through backend
- 

#### **POST /attendance/check-out**

Driver check-out.

**Authentication:** Required

**Roles:** Any authenticated user

##### **Request Body:**

```
{  
    "attendanceId": "uuid",  
    "location": {  
        "latitude": 28.4595,  
        "longitude": 77.0266  
    },  
    "odometer": 10500,  
    "odometerImageUrl": "https://s3.amazonaws.com/bucket/odometer.jpg",  
    "cashDeposited": 500,  
    "timestamp": "2025-12-26T18:00:00.000Z"  
}
```

**Note:** `odometerImageUrl` is optional. Upload image using `/drivers/upload-url` first.

##### **Response:**

```
{  
    "success": true,  
    "data": {  
        "id": "uuid",  
        "checkOutTime": "2025-12-26T18:00:00.000Z"  
    }  
}
```

---

#### **POST /attendance/start-break**

Start a break during active attendance.

**Authentication:** Required

**Roles:** DRIVER

##### **Request Body:**

```
{  
    "attendanceId": "uuid"  
}
```

##### **Response:**

```
{  
  "success": true,  
  "data": {  
    "id": "uuid",  
    "attendanceId": "uuid",  
    "startTime": "2025-12-26T12:00:00.000Z"  
  }  
}
```

#### POST /attendance/end-break

End current break.

**Authentication:** Required

**Roles:** DRIVER

#### Request Body:

```
{  
  "breakId": "uuid"  
}
```

#### Response:

```
{  
  "success": true,  
  "data": {  
    "id": "uuid",  
    "endTime": "2025-12-26T12:30:00.000Z"  
  }  
}
```

#### GET /attendance/history

Get attendance history.

#### Notes:

- Drivers can call this without `driverId` to fetch their own history

**Authentication:** Required

**Roles:** Any authenticated user

#### Query Parameters:

- `driverId` (optional) - Filter by driver
- `startDate` (optional) - Start date
- `endDate` (optional) - End date

#### Response:

```
{  
  "success": true,  
  "data": [  
    {  
      "id": "uuid",  
      "driverId": "uuid",  
      "checkInTime": "2025-12-26T10:00:00.000Z",  
      "checkOutTime": "2025-12-26T18:00:00.000Z",  
      "status": "APPROVED"  
    }  
  ]  
}
```

#### POST /attendance/:id/approve

Approve attendance record.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , MANAGER

#### Response:

```
{  
  "success": true,  
  "message": "Attendance approved successfully"  
}
```

#### POST /attendance/:id/reject

Reject attendance record.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , MANAGER

#### Request Body:

```
{  
  "reason": "Invalid check-in location"  
}
```

#### Response:

```
{  
  "success": true,  
  "message": "Attendance rejected successfully"  
}
```

## Trips

All trip endpoints require authentication.

### POST /trips

Create a new trip.

**Authentication:** Required

#### Request Body:

```
{  
    "pickupLocation": {  
        "address": "Sector 29, Gurgaon",  
        "latitude": 28.4595,  
        "longitude": 77.0266  
    },  
    "dropLocation": {  
        "address": "IGI Airport, Delhi",  
        "latitude": 28.5562,  
        "longitude": 77.1000  
    },  
    "pickupTime": "2025-12-26T14:00:00.000Z",  
    "passengerName": "John Doe",  
    "passengerPhone": "9876543210",  
    "vehicleType": "SEDAN",  
    "bookingType": "PREBOOK"  
}
```

#### Booking Types:

- PREBOOK - Scheduled in advance
- INSTANT - Immediate booking

#### Response:

```
{  
    "success": true,  
    "data": {  
        "id": "uuid",  
        "pickupLocation": {  
            "address": "Sector 29, Gurgaon",  
            "latitude": 28.4595,  
            "longitude": 77.0266  
        },  
        "dropLocation": {  
            "address": "IGI Airport, Delhi",  
            "latitude": 28.5562,  
            "longitude": 77.1000  
        },  
        "pickupTime": "2025-12-26T14:00:00.000Z",  
        "status": "PENDING",  
        "estimatedFare": 625,  
        "distance": 25.5  
    }  
}
```

```
    }
}
```

---

#### GET /trips

Get trips for current driver.

**Authentication:** Required

**Roles:** DRIVER

#### Query Parameters:

- `status` (optional) - Filter by status
- `date` (optional) - Filter by date

#### Response:

```
{
  "success": true,
  "data": [
    {
      "id": "uuid",
      "pickupLocation": {
        "address": "Sector 29, Gurgaon"
      },
      "dropLocation": {
        "address": "IGI Airport, Delhi"
      },
      "pickupTime": "2025-12-26T14:00:00.000Z",
      "status": "DRIVER_ASSIGNED",
      "estimatedFare": 625
    }
  ]
}
```

---

#### GET /trips/:id

Get trip details by ID.

**Authentication:** Required

#### Response:

```
{
  "success": true,
  "data": {
    "id": "uuid",
    "pickupLocation": {
      "address": "Sector 29, Gurgaon",
      "latitude": 28.4595,
      "longitude": 77.0266
    },
    "dropLocation": {
```

```
        "address": "IGI Airport, Delhi",
        "latitude": 28.5562,
        "longitude": 77.1000
    },
    "pickupTime": "2025-12-26T14:00:00.000Z",
    "status": "DRIVER_ASSIGNED",
    "driver": {
        "id": "uuid",
        "firstName": "Rajesh",
        "lastName": "Kumar",
        "mobile": "9876543210"
    },
    "vehicle": {
        "id": "uuid",
        "vehicleNumber": "DL01AB1234"
    },
    "estimatedFare": 625,
    "distance": 25.5
}
}
```

#### POST /trips/:id/assign

Assign driver to trip.

**Authentication:** Required

**Request Body:**

```
{
    "driverId": "uuid"
}
```

**Response:**

```
{
    "success": true,
    "message": "Driver assigned successfully",
    "data": {
        "tripId": "uuid",
        "driverId": "uuid",
        "status": "DRIVER_ASSIGNED"
    }
}
```

#### POST /trips/:id/start

Start a trip (driver en route to pickup).

**Authentication:** Required

**Roles:** DRIVER

**Request Body:**

```
{  
  "location": {  
    "latitude": 28.4595,  
    "longitude": 77.0266  
  },  
  "timestamp": "2025-12-26T13:30:00.000Z"  
}
```

**Constraints:**

- Must be within 2.5 hours of pickup time
- Trip must be in `DRIVER_ASSIGNED` status

**Response:**

```
{  
  "success": true,  
  "message": "Trip started successfully",  
  "data": {  
    "tripId": "uuid",  
    "status": "STARTED"  
  }  
}
```

**POST /trips/:id/arrived**

Mark driver as arrived at pickup location.

**Authentication:** Required**Roles:** `DRIVER`**Request Body:**

```
{  
  "location": {  
    "latitude": 28.4595,  
    "longitude": 77.0266  
  },  
  "timestamp": "2025-12-26T13:55:00.000Z"  
}
```

**Constraints:**

- Must be within 30 minutes of pickup time
- Must be within 500m radius of pickup location
- Trip must be in `STARTED` status

**Response:**

```
{  
  "success": true,  
  "message": "Arrival confirmed",  
  "data": {  
    "tripId": "uuid",  
    "status": "ARRIVED"  
  }  
}
```

#### POST /trips/:id/onboard

Mark passenger as onboarded.

**Authentication:** Required

**Roles:** DRIVER

#### Request Body:

```
{  
  "otp": "1234",  
  "timestamp": "2025-12-26T14:00:00.000Z"  
}
```

#### Response:

```
{  
  "success": true,  
  "message": "Passenger onboarded successfully",  
  "data": {  
    "tripId": "uuid",  
    "status": "ONBOARDED"  
  }  
}
```

#### POST /trips/:id/noshow

Mark trip as no-show.

**Authentication:** Required

**Roles:** DRIVER

#### Request Body:

```
{  
  "reason": "Passenger did not arrive",  
  "timestamp": "2025-12-26T14:30:00.000Z"  
}
```

**Constraints:**

- Can only be marked after 30 minutes past pickup time

**Response:**

```
{  
  "success": true,  
  "message": "Trip marked as no-show",  
  "data": {  
    "tripId": "uuid",  
    "status": "NO_SHOW"  
  }  
}
```

**POST /trips/:id/complete**

Complete a trip.

**Authentication:** Required

**Roles:** DRIVER

**Request Body:**

```
{  
  "location": {  
    "latitude": 28.5562,  
    "longitude": 77.1000  
  },  
  "actualDistance": 26.2,  
  "timestamp": "2025-12-26T15:00:00.000Z"  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "Trip completed successfully",  
  "data": {  
    "tripId": "uuid",  
    "status": "COMPLETED",  
    "actualDistance": 26.2,  
    "finalFare": 650  
  }  
}
```

**GET /trips/:id/tracking**

Get real-time trip tracking information.

**Authentication:** Required

**Response:**

```
{  
    "success": true,  
    "data": {  
        "tripId": "uuid",  
        "status": "ONBOARDED",  
        "driver": {  
            "name": "Rajesh Kumar",  
            "phone": "9876543210",  
            "currentLocation": {  
                "latitude": 28.5000,  
                "longitude": 77.0500  
            }  
        },  
        "vehicle": {  
            "number": "DL01AB1234",  
            "model": "Tata Tigor EV"  
        },  
        "eta": "2025-12-26T15:00:00.000Z"  
    }  
}
```

## Admin Trips

All admin trip endpoints require authentication and `SUPER_ADMIN` role.

**GET** `/admin/trips`

Get all trips (admin view).

**Authentication:** Required

**Roles:** `SUPER_ADMIN`

**Query Parameters:**

- `status` (optional) - Filter by status
- `date` (optional) - Filter by date
- `driverId` (optional) - Filter by driver
- `fleetId` (optional) - Filter by fleet

**Response:**

```
{  
    "success": true,  
    "data": [  
        {  
            "id": "uuid",  
            "pickupLocation": {  
                "address": "Sector 29, Gurgaon"  
            },  
            "dropLocation": {  
                "address": "Sector 29, Gurgaon"  
            },  
            "status": "PICKUP",  
            "eta": "2025-12-26T15:00:00.000Z",  
            "distance": 10.5,  
            "duration": 30,  
            "driver": {  
                "name": "Rajesh Kumar",  
                "phone": "9876543210",  
                "currentLocation": {  
                    "latitude": 28.5000,  
                    "longitude": 77.0500  
                }  
            },  
            "vehicle": {  
                "number": "DL01AB1234",  
                "model": "Tata Tigor EV"  
            }  
        }  
    ]  
}
```

```
        "dropLocation": {
            "address": "IGI Airport, Delhi"
        },
        "status": "COMPLETED",
        "driver": {
            "id": "uuid",
            "firstName": "Rajesh",
            "lastName": "Kumar"
        },
        "estimatedFare": 625,
        "finalFare": 650
    }
]
}
```

#### POST /admin/trips/assign

Manually assign driver to trip (admin).

**Authentication:** Required

**Roles:** SUPER\_ADMIN

#### Request Body:

```
{
    "tripId": "uuid",
    "driverId": "uuid"
}
```

#### Response:

```
{
    "success": true,
    "message": "Driver assigned successfully"
}
```

#### POST /admin/trips/unassign

Unassign driver from trip.

**Authentication:** Required

**Roles:** SUPER\_ADMIN

#### Request Body:

```
{
    "tripId": "uuid"
}
```

### Response:

```
{  
  "success": true,  
  "message": "Driver unassigned successfully"  
}
```

### POST /admin/trips/reassign

Reassign trip to different driver.

**Authentication:** Required

**Roles:** SUPER\_ADMIN

### Request Body:

```
{  
  "tripId": "uuid",  
  "newDriverId": "uuid"  
}
```

### Response:

```
{  
  "success": true,  
  "message": "Trip reassigned successfully"  
}
```

## Pricing

### POST /pricing/preview

Get pricing preview for a trip.

**Authentication:** None

### Request Body:

```
{  
  "pickupLocation": {  
    "latitude": 28.4595,  
    "longitude": 77.0266  
  },  
  "dropLocation": {  
    "latitude": 28.5562,  
    "longitude": 77.1000  
  },  
  "pickupTime": "2025-12-26T14:00:00.000Z",  
  "returnTime": null  
}
```

```
        "vehicleType": "SEDAN"
    }
```

#### Response:

```
{
  "success": true,
  "data": {
    "estimatedFare": 625,
    "distance": 25.5,
    "duration": 45,
    "breakdown": {
      "baseFare": 100,
      "distanceFare": 450,
      "timeFare": 75,
      "taxes": 0,
      "total": 625
    }
  }
}
```

## Public Booking API

Public endpoints for customers to book trips without authentication.

**POST** /public/trips/pricing

Get pricing estimate for a trip (no authentication required).

**Authentication:** None

#### Request Body:

```
{
  "pickupLocation": "Connaught Place, New Delhi",
  "dropLocation": "IGI Airport, Terminal 3",
  "tripDate": "2026-01-25",
  "tripTime": "10:00",
  "tripType": "AIRPORT"
}
```

**Trip Types:** AIRPORT , INTER\_CITY , RENTAL

#### Response (200):

```
{
  "success": true,
```

```

    "data": {
        "vehicleSku": "TATA_TIGOR_EV",
        "vehicleType": "EV",
        "tripType": "AIRPORT",
        "distanceKm": 25.5,
        "billableDistanceKm": 26,
        "ratePerKm": 25,
        "baseFare": 650,
        "totalFare": 780,
        "breakdown": {
            "distanceFare": 650,
            "tripTypeMultiplier": 1.2,
            "bookingTimeMultiplier": 1.0,
            "vehicleMultiplier": 1.0
        },
        "currency": "INR"
    },
    "message": "Fare calculated successfully"
}

```

#### **Constraints Applied:**

- T-1 Booking: Trip must be > 24 hours from now
  - Distance limits based on trip type
  - City-specific rules
- 

#### **POST /public/trips/create**

Create a trip booking (no authentication required).

**Authentication:** None

#### **Request Body:**

```
{
    "pickupLocation": "Connaught Place, New Delhi",
    "dropLocation": "IGI Airport, Terminal 3",
    "tripDate": "2026-01-25",
    "tripTime": "10:00",
    "tripType": "AIRPORT",
    "customerName": "John Doe",
    "customerPhone": "9876543210"
}
```

#### **Response (201):**

```
{
    "success": true,
    "data": {
        "tripId": "uuid",
        "status": "CREATED",

```

```

    "vehicleSku": "TATA_TIGOR_EV",
    "vehicleType": "EV",
    "tripType": "AIRPORT",
    "price": 780,
    "pickupLocation": "Connaught Place, New Delhi",
    "dropLocation": "IGI Airport, Terminal 3",
    "tripDate": "2026-01-25T10:00:00.000Z",
    "customerName": "John Doe",
    "customerPhone": "9876543210"
  },
  "message": "Trip created successfully"
}

```

**Note:** The system automatically:

- Calculates distance via Google Maps
- Extracts city from address
- Gets coordinates for geofencing
- Stores customer info in provider metadata

## Referral System

Driver referral system with automated reward processing.

### How Referrals Work

1. **Driver A** gets a unique referral code automatically upon signup
2. **Driver B** signs up using Driver A's referral code
3. System tracks Driver B's activity (active days, rides per day)
4. When Driver B meets eligibility criteria, Driver A receives an incentive

### Eligibility Criteria (Configurable)

- **Minimum Active Days:** 30 days (with approved attendance)
- **Minimum Rides Per Day:** 8 completed trips on average
- **Max Referrals Per Driver:** 50 (limit per referrer)

### Referral Statuses

Status	Description
PENDING	Referral created, waiting for eligibility check
COMPLETED	Referral reward has been processed
CANCELLED	Referral was cancelled
EXPIRED	Referral expired without completion

### How Referral Code is Used

During driver signup ( `POST /users/drivers/signup` ), include the referral code:

```
{  
  "name": "New Driver",  
  "phone": "9876543210",  
  "referralCode": "REF123ABC"  
}
```

The system validates:

- Referral code exists and is active
- Referrer hasn't exceeded max referrals
- New user isn't already referred

## Reward Processing

Rewards are processed automatically via a background worker that:

1. Checks all `PENDING` referrals periodically
2. Validates eligibility criteria for each referred driver
3. Creates `REFERRAL` category incentive for referrer
4. Updates referral status to `COMPLETED`

## Partner Integrations

### MakeMyTrip (MMT)

Complete integration with MakeMyTrip for cab bookings.

**Authentication:** Basic Auth

**Inbound Credentials:** `MMT_INBOUND_USERNAME` / `MMT_INBOUND_PASSWORD`

**Outbound Credentials:** `MMT_TRACKING_USER` / `MMT_TRACKING_PASS`

### MMT Inbound Endpoints (MMT → DriversKlub)

These endpoints receive requests FROM MakeMyTrip TO our system.

**POST** `/partners/mmt/partnersearchendpoint`

Search for available vehicles and get fare estimates.

**Authentication:** Basic Auth ( `MMT_INBOUND_USERNAME` / `MMT_INBOUND_PASSWORD` )

**Request Body:**

```
{  
  "start_time": "2026-01-25 20:00:00",  
  "trip_type_details": {  
    "basic_trip_type": "AIRPORT",  
  }
```

```

        "airport_type": "AP"
    },
    "one_way_distance": 45,
    "source": {
        "city": "DELHI",
        "lat": 28.5562,
        "lng": 77.1,
        "address": "IGI Airport T3"
    },
    "destination": {
        "city": "GURGAON",
        "lat": 28.4595,
        "lng": 77.0266,
        "address": "Cyber Hub"
    },
    "partner_name": "GOMMT",
    "search_id": "search_123456"
}

```

**Response:**

```
{
    "response": {
        "distance_booked": 45,
        "is_instant_search": false,
        "is_instant_available": true,
        "start_time": "2026-01-25 20:00:00",
        "is_part_payment_allowed": true,
        "communication_type": "PRE",
        "verification_type": "OTP",
        "airport_tags": ["AP"],
        "car_types": [
            {
                "sku_id": "TATA_TIGOR_EV",
                "type": "sedan",
                "subcategory": "basic",
                "combustion_type": "Electric",
                "model": "Tata Tigor",
                "carrier": false,
                "make_year_type": "Newer",
                "make_year": 2024,
                "cancellation_rule": "SUPER_FLEXI",
                "min_payment_percentage": 20,
                "pax_capacity": 4,
                "luggage_capacity": 2,
                "zero_payment": false,
                "amenities": {
                    "features": {
                        "vehicle": ["AC", "Music System", "Charging Point"],
                        "driver": ["Vaccinated", "Mask"],
                        "services": []
                    }
                },
                "fare_details": {

```

```

        "base_fare": 1125,
        "per_km_charge": 24,
        "per_km_extra_charge": 25,
        "total_driver_charges": 0,
        "seller_discount": 0,
        "extra_charges": [
            "night_charges": {
                "amount": 1406.25,
                "is_included_in_base_fare": false,
                "is_included_in_grand_total": true,
                "is_applicable": true
            },
            "toll_charges": {
                "amount": 100,
                "is_included_in_base_fare": false,
                "is_included_in_grand_total": false,
                "is_applicable": true
            }
        }
    ]
}
}

```

**POST /partners/mmt/partnerblockendpoint**

Block a vehicle for booking (holds inventory).

**Authentication:** Basic Auth

**Request Body:**

```
{
    "sku_id": "TATA_TIGOR_EV",
    "mmt_ref_id": "BKS88888800926",
    "start_time": "2026-01-25 20:00:00",
    "one_way_distance": 45,
    "source": {
        "city": "DELHI",
        "lat": 28.5562,
        "lng": 77.1,
        "address": "IGI Airport T3"
    },
    "destination": {
        "city": "GURGAON",
        "lat": 28.4595,
        "lng": 77.0266,
        "address": "Cyber Hub"
    }
}
```

**Response:**

```
{
  "response": {
    "success": true,
    "reference_number": "8863a9d8-b133-4050-9f47-ee8e7534b6bc",
    "status": "BLOCKED",
    "verification_code": "1056"
  }
}
```

Field	Description
reference_number	Our internal Trip ID (UUID)
verification_code	OTP for passenger verification

#### POST /partners/mmt/partnerpaidendpoint

Confirm booking payment and finalize the trip.

**Authentication:** Basic Auth

#### Request Body:

```
{
  "partner_reference_number": "8863a9d8-b133-4050-9f47-ee8e7534b6bc",
  "order_reference_number": "BKS88888800926",
  "total_fare": 1125,
  "amount_to_be_collected": 900,
  "platform_fee": 0,
  "booking_gst": 0,
  "partner_name": "GOMMT",
  "passenger": {
    "name": "John Doe",
    "email": "john@example.com",
    "phone_number": "9876543210"
  }
}
```

#### Response:

```
{
  "response": {
    "success": true,
    "order_reference_number": "BKS88888800926",
    "status": "CONFIRMED"
  }
}
```

**Important:** The `order_reference_number` from MMT becomes the `providerBookingId` used for all tracking events.

#### POST /partners/mmt/partnercancelendpoint

Cancel a booking.

**Authentication:** Basic Auth

#### Request Body:

```
{  
  "order_reference_number": "BKS88888800926",  
  "partner_reference_number": "8863a9d8-b133-4050-9f47-ee8e7534b6bc",  
  "cancellation_reason": "Customer request",  
  "cancelled_by": "CUSTOMER"  
}
```

#### Response:

```
{  
  "response": {  
    "success": true,  
    "status": "CANCELLED"  
  }  
}
```

#### GET /partners/mmt/api/partner/v1/booking/details

Get booking details by ID.

**Authentication:** Basic Auth

#### Query Parameters:

Parameter	Description
<code>booking_id</code>	Our internal Trip ID (UUID)
<code>partner_reference_number</code>	Our internal Trip ID
<code>order_reference_number</code>	MMT's booking ID (BKS...)

#### Response:

```
{  
  "response": {  
    "success": true,  
    "booking_id": "8863a9d8-b133-4050-9f47-ee8e7534b6bc",  
    "status": "CONFIRMED",  
    "start_time": "2026-01-25T20:00:00.000Z",  
    "source": {  
      "id": "MMT",  
      "name": "MMT API"  
    }  
  }  
}
```

```

        "city": "DELHI",
        "address": "IGI Airport T3",
        "lat": 28.5562,
        "lng": 77.1
    },
    "destination": {
        "city": "GURGAON",
        "address": "Cyber Hub",
        "lat": 28.4595,
        "lng": 77.0266
    },
    "fare_details": {
        "total_amount": 1125,
        "payable_amount": 900
    },
    "driver_details": {
        "name": "Rajesh Kumar",
        "phone": "9876543210",
        "image": "https://..."
    },
    "vehicle_details": {
        "registration_number": "DL01AB1234",
        "model": "Tata Tigor EV",
        "color": "White"
    },
    "verification_code": "1056"
}
}

```

**POST /partners/mmt/partnerrescheduleblockendpoint**

Validate reschedule request and get new fare.

**Authentication:** Basic Auth

**Request Body:**

```
{
    "order_reference_number": "BKS88888800926",
    "partner_reference_number": "8863a9d8-b133-4050-9f47-ee8e7534b6bc",
    "start_time": "2026-01-26 10:00:00"
}
```

**Response:**

```
{
    "response": {
        "success": true,
        "verification_code": "1056",
        "fare_details": {
            "total_amount": 1125,
            "payable_amount": 900,
            ...
        }
    }
}
```

```
        "fare_difference": 0
    },
    "driver_details": {
        "name": "Rajesh Kumar",
        "phone": "9876543210"
    }
}
```

#### POST /partners/mmt/partnerrescheduleconfirmendpoint

Confirm reschedule after validation.

**Authentication:** Basic Auth

#### Request Body:

```
{
    "order_reference_number": "BKS88888800926",
    "partner_reference_number": "8863a9d8-b133-4050-9f47-ee8e7534b6bc"
}
```

#### Response:

```
{
    "response": {
        "success": true,
        "status": "RESCHEDULED"
    }
}
```

## MMT Outbound Tracking Events (DriversKlub → MMT)

These are **outbound** API calls that DriversKlub makes TO MMT to notify them about ride status changes.

**Base URL:** <https://cabs-partners-staging.makemytrip.com/tracking/pp2/api/partner/v1>

**Authentication:** Basic Auth (credentials in environment variables)

#### Dispatch Events

##### POST /dispatch/{booking\_id}/assign

Notify MMT when a driver is assigned to a booking.

**Triggered by:** POST /admin/trips/assign or POST /trips/:id/assign

#### Request Body (sent to MMT):

```
{
    "booking_id": "BKS88888800922",
    "chauffeur": {

```

```

        "id": "56c5c8a269",
        "name": "Rajesh Kumar",
        "mobile_number": "9876543210",
        "image": "https://s3.amazonaws.com/driver-photo.jpg"
    },
    "vehicle": {
        "id": "abc1234567",
        "name": "Tata Tigor EV",
        "color": "White",
        "registration_number": "DL01AB1234",
        "vehicle_type": "sedan"
    }
}

```

**Note:** `chauffeur.id` and `vehicle.id` are shortened to max 10 characters (MMT requirement).

#### POST /dispatch/{booking\_id}/reassign

Notify MMT when a different driver is assigned to an existing booking.

**Triggered by:** POST /admin/trips/reassign

**Request Body:** Same structure as assign (includes `booking_id`).

#### POST /dispatch/{booking\_id}/unassign

Notify MMT when a driver is unassigned from a booking.

**Triggered by:** POST /admin/trips/unassign

**Request Body (sent to MMT):**

```
{
    "booking_id": "BKS88888800922"
}
```

## Track Events

All track events require the following mandatory fields:

- `booking_id` - MMT booking reference (e.g., "BKS88888800922")
- `device_id` - Shortened driver ID (max 10 chars) or "DKAPP001"
- `latitude` - **String** (e.g., "28.4895122")
- `longitude` - **String** (e.g., "77.092306")
- `timestamp` - Unix timestamp in milliseconds

#### POST /track/{booking\_id}/start

Notify MMT when the driver starts the trip.

**Triggered by:** POST /trips/:id/start

**Request Body (sent to MMT):**

```
{  
  "booking_id": "BKS88888800922",  
  "device_id": "56c5c8a269",  
  "latitude": "28.4895122",  
  "longitude": "77.092306",  
  "timestamp": 1706025600000  
}
```

#### POST /track/{booking\_id}/arrived

Notify MMT when driver arrives at pickup location.

**Triggered by:** POST /trips/:id/arrived

**Request Body:** Same structure as start.

#### POST /track/{booking\_id}/boarded

Notify MMT when passenger boards the vehicle.

**Triggered by:** POST /trips/:id/onboard

**Request Body:** Same structure as start.

#### POST /track/{booking\_id}/alight

Notify MMT when passenger alights (trip complete).

**Triggered by:** POST /trips/:id/complete

**Request Body (sent to MMT):**

```
{  
  "booking_id": "BKS88888800922",  
  "device_id": "56c5c8a269",  
  "latitude": "28.5562",  
  "longitude": "77.1000",  
  "timestamp": 1706029200000,  
  "extra_charge": 485,  
  "extra_fare_breakup": {  
    "toll_charges": {  
      "amount": 335,  
      "items": [{ "name": "Toll Charges", "amount": 335, "receipt": null }]  
    },  
    "parking_charges": {  
      "amount": 150,  
      "items": [{ "name": "Parking Charges", "amount": 150, "receipt": null }]  
    }  
  }  
}
```

**Note:** extra\_charge and extra\_fare\_breakup are optional - only included if applicable.

#### POST /track/{booking\_id}/not-boarded

Notify MMT when passenger is a no-show.

**Triggered by:** POST /trips/:id/noshow

**Request Body (sent to MMT):**

```
{  
  "booking_id": "BKS88888800922",  
  "device_id": "56c5c8a269",  
  "latitude": "28.4895122",  
  "longitude": "77.092306",  
  "timestamp": 1706025600000,  
  "reason": "Customer no show"  
}
```

**PUT /track/{booking\_id}/location**

Send live driver location during an active trip.

**Triggered by:** POST /trips/:id/location

**Frequency:** Should be called every 30 seconds from `start` until `alight`.

**Request Body (sent to MMT):**

```
{  
  "booking_id": "BKS88888800926",  
  "device_id": "b5405f3e0e",  
  "latitude": "28.5000",  
  "longitude": "77.0500",  
  "timestamp": 1769175500000  
}
```

## MMT Environment Variables

```
# Inbound Authentication (MMT → DriversKlub)  
MMT_INBOUND_USERNAME=mmt_inbound_service  
MMT_INBOUND_PASSWORD=your_secure_password  
  
# Outbound Tracking (DriversKlub → MMT)  
MMT_TRACKING_URL=https://cabs-partners-staging.makemytrip.com/tracking/pp2/api/partner/v1  
MMT_TRACKING_USER=your_mmt_tracking_username  
MMT_TRACKING_PASS=your_mmt_tracking_password
```

## MMT Complete Booking Flow



## MMT Test Case Flows

Test	Flow	Description
1	Assign → Start → Arrived → Boarded → Alight	Happy path
2	Assign → Reassign → Start → Arrived → Boarded → Alight	Driver change mid-booking
3	Assign → Start → Arrived → Not-Boarded	Customer no-show
4	Assign → Start → Arrived → Unassign	Driver unassigned after arrival
5	Assign → Unassign	Driver unassigned before trip
6	Unassign	Unassign without prior assignment
7	Full flow with extra_charge in Alight	Toll/parking charges
8	Location updates every 30 seconds	Start to Alight

---

**POST** /trips/:id/location

Update driver live location for a trip.

**Authentication:** Required **Roles:** DRIVER

**Request Body:**

```
{  
  "lat": 28.5355,  
  "lng": 77.3910  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "Location updated successfully"  
}
```

## Webhooks

---

Webhooks allow real-time notifications for system events, primarily payment updates.

### Easebuzz Payment Webhook

**POST** /webhooks/easebuzz/payment

Webhook endpoint for Easebuzz payment gateway notifications.

**Authentication:** Signature Verification (Salt-based)

**Request Body:**

- Standard Easebuzz webhook payload (FormData) including `txnid`, `status`, `amount`, `hash`, etc.

**Response:**

```
{  
  "success": true,  
  "message": "Webhook processed successfully"  
}
```

---

**POST** /webhooks/easebuzz/virtual-account

Webhook for Virtual Account (QR Code) payment notifications.

**Authentication:** Signature Verification (Salt-based)

**Description:** Called by Easebuzz when a payment is received on a Virtual Account (Vehicle QR or Order QR).

---

## Payment Redirect Handlers

These are public redirect URLs used after Easebuzz payment completion.

**GET /webhooks/payment/success**

Payment success redirect page. Shows success message and redirects to mobile app.

### Query Parameters:

- `txnid` - Transaction ID
- `amount` - Payment amount
- `status` - Payment status

**Response:** HTML page with deep link to `driversklub://payment/success`

---

**GET /webhooks/payment/failure**

Payment failure redirect page. Shows error message and redirects to mobile app.

### Query Parameters:

- `txnid` - Transaction ID
- `error_Message` - Error description

**Response:** HTML page with deep link to `driversklub://payment/failure`

---

## Error Handling

All API errors follow a consistent format:

```
{  
  "success": false,  
  "message": "Error message",  
  "error": {  
    "code": "ERROR_CODE",  
    "details": "Detailed error information"  
  }  
}
```

## Common HTTP Status Codes

- `200` - Success
- `201` - Created
- `400` - Bad Request (validation errors)
- `401` - Unauthorized (missing or invalid token)
- `403` - Forbidden (insufficient permissions)
- `404` - Not Found
- `429` - Too Many Requests (rate limit exceeded)
- `500` - Internal Server Error

- 503 - Service Unavailable (database connection issues)

## Common Error Codes

- INVALID\_CREDENTIALS - Invalid phone or OTP
  - OTP\_EXPIRED - OTP has expired
  - OTP\_ATTEMPT\_EXCEEDED - Too many OTP attempts
  - UNAUTHORIZED - Missing or invalid authentication token
  - FORBIDDEN - Insufficient permissions
  - NOT\_FOUND - Resource not found
  - VALIDATION\_ERROR - Request validation failed
  - TRIP\_CONSTRAINT\_VIOLATION - Trip timing/location constraints not met
- 

## Rate Limiting

The API implements rate limiting to prevent abuse:

- **Window:** 15 minutes
- **Limit:** 100 requests per IP
- **Headers:**
  - X-RateLimit-Limit - Maximum requests allowed
  - X-RateLimit-Remaining - Remaining requests
  - X-RateLimit-Reset - Time when limit resets

When rate limit is exceeded:

```
{  
  "success": false,  
  "message": "Too many requests from this IP, please try again later."  
}
```

## Additional Notes

### CORS Configuration

- **Development:** All origins allowed ( \* )
- **Production:** Specific origins from ALLOWED\_ORIGINS environment variable

### Timezone

All timestamps are in **IST (Indian Standard Time)** and follow ISO 8601 format.

### Pagination

Endpoints returning lists support pagination:

#### Query Parameters:

- `page` - Page number (default: 1)
- `limit` - Items per page (default: 20, max: 100)

#### Response:

```
{  
  "success": true,  
  "data": [...],  
  "pagination": {  
    "page": 1,  
    "limit": 20,  
    "total": 150,  
    "totalPages": 8  
  }  
}
```

## Vehicle QR Generation

**POST** `/payments/admin/vehicle/:id/qr`

Generate Easebuzz virtual account QR code for a vehicle.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

#### Response (201):

```
{  
  "success": true,  
  "data": {  
    "virtualAccountId": "VA123456789",  
    "qrCodeBase64": "https://api.qrserver.com/v1/create-qr-code/...",  
    "upiId": "vehicle@easebuzz"  
  }  
}
```

**Note:** The `qrCodeBase64` field may contain a URL (from Easebuzz or fallback generator) or base64 string. In test mode, a fallback QR URL is generated from the UPI ID.

**GET** `/payments/admin/vehicle/:id/qr`

Get existing QR code. Returns 404 if not found.

## Support

For API support and questions:

- **Email:** [gourav.singh@triborefin.com](mailto:gourav.singh@triborefin.com)
- **Documentation:** </api-docs> (Coming Soon)

- **Health Check:** /health

## Payment System

Complete payment and payout system with Easebuzz integration.

**Base Path:** /payment

**Documentation:** See [Payment System Documentation](#) for complete details.

### Driver Endpoints

**GET** /payment/balance

Get driver balance & rental status.

**Authentication:** Required

**Roles:** DRIVER

**Response:**

```
{  
  "success": true,  
  "data": {  
    "depositBalance": 5000,  
    "paymentModel": "RENTAL",  
    "hasActiveRental": true,  
    "rental": {  
      "planName": "Weekly Plan",  
      "amount": 2500,  
      "startDate": "2025-12-23T00:00:00.000Z",  
      "expiryDate": "2025-12-30T00:00:00.000Z",  
      "daysRemaining": 3,  
      "isExpired": false,  
      "vehicle": {  
        "number": "KA01 AB 1234",  
        "model": "TATA Tigor EV"  
      }  
    }  
  }  
}
```

---

**GET** /payment/rental/plans

Get available rental plans for the driver's fleet.

**Authentication:** Required

**Roles:** DRIVER

**Response:**

```
{  
  "success": true,  
  "data": [  
    {  
      "id": "uuid",  
      "name": "Weekly Plan",  
      "amount": 2500,  
      "start": "2025-12-23T00:00:00.000Z",  
      "end": "2025-12-30T00:00:00.000Z",  
      "days_left": 3  
    }  
  ]  
}
```

```
        "name": "Weekly Plan",
        "rentalAmount": 3000,
        "depositAmount": 5000,
        "validityDays": 7,
        "isActive": true
    }
]
}
```

---

#### GET /payment/transactions

Get driver transaction history (paginated).

**Authentication:** Required

**Roles:** DRIVER

#### Query Parameters:

- `page` (number, default: 1)
- `limit` (number, default: 20)
- `type` (string, optional): DEPOSIT, RENTAL, TRIP\_PAYMENT, INCENTIVE, PENALTY, PAYOUT
- `status` (string, optional): PENDING, SUCCESS, FAILED
- `startDate` (string, optional): ISO date
- `endDate` (string, optional): ISO date

#### Response:

```
{
  "transactions": [
    {
      "id": "uuid",
      "type": "DEPOSIT",
      "amount": 5000,
      "status": "SUCCESS",
      "paymentMethod": "PG_UPI",
      "description": "Security deposit - ₹5000",
      "createdAt": "2025-12-23T10:00:00.000Z"
    }
  ],
  "pagination": {
    "page": 1,
    "limit": 20,
    "total": 45,
    "totalPages": 3
  }
}
```

---

#### GET /payment/incentives

Get driver incentives.

**Authentication:** Required

**Roles:** DRIVER

#### Query Parameters:

- `isPaid` (boolean, optional)

**Response:**

```
{
  "incentives": [
    {
      "id": "uuid",
      "amount": 500,
      "reason": "Completed 50 trips",
      "category": "MILESTONE",
      "isPaid": false,
      "createdAt": "2025-12-25T00:00:00.000Z"
    }
  ],
  "summary": {
    "totalIncentives": 10,
    "paidIncentives": 7,
    "unpaidIncentives": 3,
    "totalAmount": 5000,
    "paidAmount": 3500,
    "unpaidAmount": 1500
  }
}
```

**GET /payment/penalties**

Get driver penalties.

**Authentication:** Required

**Roles:** DRIVER

**Query Parameters:**

- `type` (string, optional): MONETARY, WARNING, SUSPENSION, BLACKLIST
- `isPaid` (boolean, optional)
- `isWaived` (boolean, optional)

**Response:**

```
{
  "penalties": [
    {
      "id": "uuid",
      "type": "MONETARY",
      "amount": 200,
      "reason": "Late for pickup",
      "isPaid": true,
      "isWaived": false,
      "deductedFromDeposit": true,
      "depositDeductionAmount": 200,
      "createdAt": "2025-12-24T00:00:00.000Z"
    }
  ]
}
```

```
    ]  
}
```

---

#### GET /payment/collections

Get daily collections (for payout model drivers).

**Authentication:** Required

**Roles:** DRIVER

#### Query Parameters:

- `startDate` (string, optional): ISO date
- `endDate` (string, optional): ISO date
- `isReconciled` (boolean, optional)
- `isPaid` (boolean, optional)

#### Response:

```
{  
  "collections": [  
    {  
      "id": "uuid",  
      "date": "2025-12-29T00:00:00.000Z",  
      "qrCollectionAmount": 3000,  
      "cashCollectionAmount": 2000,  
      "totalCollection": 5000,  
      "revShareAmount": 3500,  
      "incentiveAmount": 500,  
      "penaltyAmount": 200,  
      "netPayout": 3800,  
      "isReconciled": true,  
      "isPaid": false  
    }  
  ],  
  "summary": {  
    "totalDays": 30,  
    "totalCollections": 150000,  
    "totalRevShare": 105000,  
    "totalIncentives": 5000,  
    "totalPenalties": 2000,  
    "totalPayout": 108000,  
    "paidAmount": 75000,  
    "unpaidAmount": 33000  
  }  
}
```

---

#### POST /payment/deposit

Initiate deposit payment.

**Authentication:** Required

**Roles:** DRIVER

#### Request Body:

```
{  
    "amount": 5000  
}
```

#### Response:

```
{  
    "success": true,  
    "data": {  
        "transactionId": "uuid",  
        "paymentUrl": "https://testpay.easebuzz.in/pay/0c4d0ab67...",  
        "accessKey": "0c4d0ab671a967784530587dbca8e2c8...",  
        "txnId": "TXN_1735123456_ABC123"  
    }  
}
```

**POST /payment/rental**

Initiate rental payment.

**Authentication:** Required

**Roles:** DRIVER

#### Request Body:

```
{  
    "rentalPlanId": "uuid"  
}
```

#### Response:

```
{  
    "success": true,  
    "data": {  
        "transactionId": "uuid",  
        "paymentUrl": "https://testpay.easebuzz.in/pay/0c4d0ab67...",  
        "accessKey": "0c4d0ab671a967784530587dbca8e2c8...",  
        "txnId": "TXN_1735123456_XYZ789"  
    }  
}
```

**Admin Endpoints** POST Generate Easebuzz virtual account QR code for a vehicle.

**Authentication:** Required **Roles:** , , **URL Parameters:** uid=197609(Hello Youtuber)

**gid=197609 groups=197609 (string, required) - Vehicle UUID** **Response (201):** GET Get existing QR

**code for a vehicle.**  
**Authentication:** Required  
**Roles:** , ,  
**Response (200):** Same as POST. **Response (404):** QR not found.  
---  
**POST /payment/admin/rental-plans**

Create a rental plan.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{  
    "fleetId": "uuid",  
    "name": "Weekly Plan",  
    "rentalAmount": 3500,  
    "depositAmount": 5000,  
    "validityDays": 7  
}
```

#### Response:

```
{  
    "id": "uuid",  
    "fleetId": "uuid",  
    "name": "Weekly Plan",  
    "rentalAmount": 3500,  
    "depositAmount": 5000,  
    "validityDays": 7,  
    "isActive": true  
}
```

---

**GET /payment/admin/rental-plans/:fleetId**

Get rental plans for a fleet.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

#### Query Parameters:

- activeOnly (boolean, default: true)

---

**POST /payment/admin/penalty**

Create a penalty for a driver.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### Request Body:

```
{  
    "driverId": "uuid",  
    "type": "MONETARY",  
    "amount": 500,
```

```
        "reason": "Customer complaint",
        "category": "BEHAVIOR"
    }
```

#### **Penalty Types:**

- MONETARY - Financial penalty (auto-deducted from deposit for rental model)
- WARNING - Verbal/written warning
- SUSPENSION - Temporary suspension (requires `suspensionStartDate` and `suspensionEndDate` )
- BLACKLIST - Permanent ban

---

#### **POST /payment/admin/penalty/:id/waive**

Waive a penalty.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### **Request Body:**

```
{
    "waiverReason": "First-time offense, driver apologized"
}
```

---

#### **POST /payment/admin/incentive**

Create an incentive for a driver.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### **Request Body:**

```
{
    "driverId": "uuid",
    "amount": 500,
    "reason": "Completed 50 trips this month",
    "category": "MILESTONE"
}
```

---

#### **POST /payment/admin/incentive/:id/payout**

Process incentive payout.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

#### **Response:**

```
{
    "success": true,
    "txnId": "TXN_1735123456_PAY123",
```

```
        "status": "PENDING",
        "utr": "UTR123456789"
    }
```

#### POST /payment/admin/collection/:id/reconcile

Reconcile daily collection.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

#### Request Body:

```
{
    "expectedRevenue": 5000,
    "reconciliationNotes": "All collections verified"
}
```

#### POST /payment/admin/collection/:id/payout

**DEPRECATED:** Use Bulk Payout instead.

Process daily payout (Legacy).

**Authentication:** Required **Roles:** SUPER\_ADMIN , OPERATIONS

#### POST /payment/admin/bulk-payout

Upload CSV for automated bulk payouts.

**Authentication:** Required **Roles:** SUPER\_ADMIN , OPERATIONS

**Request:** multipart/form-data

- file : CSV File ( phone,amount or accountNumber,amount )

#### Response:

```
{
    "total": 10,
    "success": 9,
    "failed": 1,
    "amountDisbursed": 45000,
    "details": [
        { "phone": "9876543210", "status": "SUCCESS", "amount": 5000, "utr": "UTR..." }
    ]
}
```

#### GET /payment/admin/reconciliations/pending

Get pending reconciliations.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

---

**GET** /payment/admin/payouts/pending

Get pending payouts.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

---

**POST** /payment/admin/vehicle/:id/qr

Generate virtual QR code for a vehicle.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS

**Response:**

```
{  
  "id": "uuid",  
  "vehicleId": "uuid",  
  "virtualAccountId": "VA123456",  
  "virtualAccountNumber": "1234567890123456",  
  "ifscCode": "HDFC0000001",  
  "qrCodeBase64": "data:image/png;base64,...",  
  "upiId": "driversklub.va123456@easebuzz",  
  "isActive": true  
}
```

---

**GET** /payment/admin/vehicle/:id/qr

Get vehicle QR code.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

---

## InstaCollect Orders (Dynamic QR)

These endpoints manage ad-hoc payment orders where a customer can pay via a dynamic QR code, supporting partial payments.

**POST** /payment/orders

Create a new payment order. This generates a unique virtual account and QR code.

**Authentication:** Required **Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Request Body:**

```
{  
  "customerName": "John Doe",  
  "customerPhone": "9876543210",  
  "customerEmail": "john@example.com",  
  "description": "Invoice #1234",  
  "amount": 5000  
}
```

**Response:**

```
{  
    "id": "uuid",  
    "totalAmount": 5000,  
    "collectedAmount": 0,  
    "remainingAmount": 5000,  
    "status": "PENDING",  
    "virtualAccountId": "VA123456",  
    "virtualAccountNumber": "1234567890",  
    "ifscCode": "HDFC0000001",  
    "qrCodeBase64": "data:image/png;base64,...",  
    "upiId": "driversklub.va123456@easebuzz",  
    "paymentLink": "https://testpay.easebuzz.in/pay/..."  
}
```

**GET /payment/orders**

List payment orders.

**Authentication:** Required **Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Query Parameters:**

- `status` (string, optional): PENDING , PARTIAL , COMPLETED , FAILED
- `search` (string, optional): Search by customer name or phone

**Response:**

```
{  
    "orders": [  
        {  
            "id": "uuid",  
            "customerName": "John Doe",  

```

**GET /payment/orders/:id**

Get detailed order information including transaction history.

**Authentication:** Required **Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER

**Response:**

```
{
  "id": "uuid",
  "customerName": "John Doe",
  "totalAmount": 5000,
  "collectedAmount": 2000,
  "remainingAmount": 3000,
  "status": "PARTIAL",
  "transactions": [
    {
      "id": "tx_1",
      "amount": 2000,
      "status": "SUCCESS",
      "createdAt": "2025-12-30T10:05:00Z",
      "easebuzzTxnId": "TXN123"
    }
  ]
}
```

## Partner Integrations

---

### MakeMyTrip (MMT)

Full integration documentation is available in the dedicated guide: [MMT Integration Guide](#).

#### Summary of MMT Endpoints

Endpoint	Method	Description
/partners/mmt/partnersearchendpoint	POST	Search availability
/partners/mmt/partnerblockendpoint	POST	Block inventory
/partners/mmt/partnerpaidendpoint	POST	Confirm booking
/partners/mmt/partnercancelendpoint	POST	Cancel booking
/partners/mmt/partnerrescheduleblockendpoint	POST	Reschedule check
/partners/mmt/partnerrescheduleconfirmendpoint	POST	Reschedule confirm
/partners/mmt/booking/details	GET	Check booking status

---

### Rapido (Fleet)

Webhook callbacks from Rapido Fleet API.

**POST** /rapido/webhook/order-status

Callback for Rapido order status updates.

**Authentication:** None (Public/Webhook)

**Request Body:**

```
{  
  "orderId": "rapido_order_123",  
  "status": "started",  
  "captainId": "cap_123",  
  "timestamp": "2025-12-30T10:00:00Z"  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "Order status updated"  
}
```

**POST** /rapido/webhook/captain-status

Callback for Captain login/availability status.

**Authentication:** None (Public/Webhook)

**Request Body:**

```
{  
  "captainId": "cap_123",  
  "status": "online",  
  "location": { "lat": 28.5, "lng": 77.1 }  
}
```

**Response:**

```
{  
  "success": true,  
  "message": "Captain status updated"  
}
```

## Pricing Engine

Pricing endpoints for fare calculation.

**POST** /pricing/preview

Calculate fare estimate for a trip.

**Authentication:** Required

**Roles:** SUPER\_ADMIN , OPERATIONS , MANAGER , DRIVER

#### Request Body:

```
{  
    "pickup": "Connaught Place, New Delhi",  
    "drop": "Cyber City, Gurgaon",  
    "tripType": "INTER_CITY",  
    "tripDate": "2024-05-20T10:00:00.000Z",  
    "bookingDate": "2024-05-19T10:00:00.000Z",  
  
    // Vehicle specification (use one of these):  
    "vehicleType": "EV",           // Option 1: Direct type  
    "vehicleSku": "TATA_TIGOR_EV", // Option 2: Vehicle SKU (auto-detects type)  
  
    "distanceKm": 25.5 // Optional: Used as fallback if Google Maps unavailable  
}
```

#### Response:

```
{  
    "success": true,  
    "data": {  
        "distanceSource": "GOOGLE_MAPS",  
        "billableDistanceKm": 26,  
        "ratePerKm": 25,  
        "baseFare": 650,  
        "totalFare": 780,  
        "breakdown": {  
            "distanceFare": 650,  
            "tripTypeMultiplier": 1.2,  
            "bookingTimeMultiplier": 1.0,  
            "vehicleMultiplier": 1.0  
        },  
        "currency": "INR"  
    },  
    "message": "Fare calculated successfully"  
}
```

#### Distance Calculation:

- If `pickup` and `drop` are provided AND `GOOGLE_MAPS_API_KEY` is set, the system uses Google Maps Distance Matrix API
- Falls back to `distanceKm` if Google Maps fails or is not configured
- Response includes `distanceSource` field indicating which source was used

See Also: [Pricing Engine Documentation](#) for complete details.

## Complete Endpoint Reference - All Services

This section provides a comprehensive reference for all 112+ endpoints across all 6 microservices.

### Summary Table

Service	Endpoint Count
Authentication	8
Driver	22
Vehicle	23
Assignment	4
Trip	54
Notification	1
<b>TOTAL</b>	<b>112</b>

### Authentication Service (8 endpoints)

Method	Endpoint	Auth	Roles	Description
POST	/auth/send-otp	No	-	Send OTP to phone number
POST	/auth/verify-otp	No	-	Verify OTP and get tokens
POST	/auth/refresh	No	-	Refresh access token
POST	/auth/logout	No	-	Logout user
POST	/users	Yes	SUPER_ADMIN	Create new user
GET	/users	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get all users
GET	/users/:id	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get user by ID
PATCH	/users/:id/deactivate	Yes	SUPER_ADMIN	Deactivate user

### Driver Service (22 endpoints)

Method	Endpoint	Auth	Roles	Description
POST	/drivers	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Create driver

GET	/drivers/fleet/:fleetId	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get drivers by fleet
GET	/drivers/hub/:hubId	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get drivers by hub
GET	/drivers/me	Yes	DRIVER	Get my profile
GET	/drivers/:id	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get driver by ID
PATCH	/drivers/:id	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Update driver
PATCH	/drivers/:id/status	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Update driver status
PATCH	/drivers/:id/availability	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Update availability
GET	/drivers/:id/preference	Yes	SUPER_ADMIN, DRIVER, MANAGER	Get driver preferences
POST	/drivers/:id/preference/update	Yes	SUPER_ADMIN, DRIVER, MANAGER	Update preference request
GET	/drivers/preference/pending-requests	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get pending requests
POST	/drivers/preference/update-status	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Update request status
GET	/drivers/:id/active-plan	Yes	SUPER_ADMIN, OPERATIONS, MANAGER, DRIVER	Get active rental plan
GET	/drivers/:id/plan-history	Yes	SUPER_ADMIN, OPERATIONS, MANAGER, DRIVER	Get plan history
POST	/attendance/check-in	Yes	All	Check in attendance
POST	/attendance/check-out	Yes	All	Check out attendance
POST	/attendance/start-break	Yes	All	Start break
POST	/attendance/end-break	Yes	All	End break
GET	/attendance/history	Yes	All	Get attendance history
GET	/attendance/:id	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get attendance by ID
POST	/attendance/:id/approve	Yes	SUPER_ADMIN, MANAGER	Approve attendance
POST	/attendance/:id/reject	Yes	SUPER_ADMIN, MANAGER	Reject attendance

## Vehicle Service (23 endpoints)

Method	Endpoint	Auth	Roles	Description
POST	/vehicles	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Create vehicle
GET	/vehicles/fleet/:fleetId	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get vehicles by fleet
GET	/vehicles/hub/:hubId	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get vehicles by hub
GET	/vehicles/:id	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get vehicle by ID
PATCH	/vehicles/:id	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Update vehicle
PATCH	/vehicles/:id/docs	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Update vehicle documents
PATCH	/vehicles/:id/status	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Update vehicle status
PATCH	/vehicles/:id/deactivate	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Deactivate vehicle
POST	/fleets	Yes	SUPER_ADMIN	Create fleet
GET	/fleets	Yes	SUPER_ADMIN, OPERATIONS	Get all fleets
GET	/fleets/:id	Yes	SUPER_ADMIN, OPERATIONS	Get fleet by ID
PATCH	/fleets/:id/deactivate	Yes	SUPER_ADMIN	Deactivate fleet
POST	/fleets/:id/hubs	Yes	SUPER_ADMIN, OPERATIONS	Create fleet hub
GET	/fleets/:id/hubs	Yes	SUPER_ADMIN, OPERATIONS	Get all fleet hubs
GET	/fleets/hubs/:id	Yes	SUPER_ADMIN, OPERATIONS	Get fleet hub by ID
POST	/fleets/:id/hub-managers	Yes	SUPER_ADMIN, OPERATIONS	Create hub manager
GET	/fleets/:id/hub-managers	Yes	SUPER_ADMIN, OPERATIONS	Get all hub managers
GET	/fleets/hub-manager/:id	Yes	SUPER_ADMIN, OPERATIONS	Get hub manager by ID
POST	/fleets/hubs/:hubId/assign-manager	Yes	SUPER_ADMIN, OPERATIONS	Assign manager to hub
POST	/fleets/hubs/:id/add-vehicle	Yes	SUPER_ADMIN, OPERATIONS	Add vehicle to hub
POST	/fleets/hubs/:id/add-driver	Yes	SUPER_ADMIN, OPERATIONS	Add driver to hub

POST	/fleets/hubs/:id/remove-vehicle	Yes	SUPER_ADMIN, OPERATIONS	Remove vehicle from hub
POST	/fleets/hubs/:id/remove-driver	Yes	SUPER_ADMIN, OPERATIONS	Remove driver from hub

---

## Assignment Service (4 endpoints)

Method	Endpoint	Auth	Roles	Description
POST	/assignments	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Create assignment
GET	/assignments/fleet/:fleetId	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get assignments by fleet
GET	/assignments/trip/:tripId	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	Get assignments by trip
PATCH	/assignments/:id/end	Yes	SUPER_ADMIN, OPERATIONS, MANAGER	End assignment

---

## Notification Service (1 endpoint)

Method	Endpoint	Auth	Roles	Description
POST	/notifications/send	Yes	All	Send notification

---

## Trip Service endpoints (54 total) are documented in previous sections including:

- Trip Operations (11 endpoints)
- Admin Trip Operations (4 endpoints)
- Pricing (1 endpoint)
- Payment Driver Endpoints (8 endpoints)
- Payment Admin Endpoints (13 endpoints)
- InstaCollect Orders (3 endpoints)
- MMT Partner Integration (7 endpoints)
- Rapido Partner Integration (5 endpoints)
- Webhooks (2 endpoints)

## Maps Service (2 endpoints)

Method	Endpoint	Auth	Roles	Description
GET	/maps/autocomplete	Yes	DRIVER, OPS, MANAGER, SUPER_ADMIN	Get location suggestions
GET	/maps/geocode	Yes	DRIVER, OPS, MANAGER, SUPER_ADMIN	Geocode address to lat/lng

**Last Updated:** January 15, 2026

**Total Documented Endpoints:** 114 across 6 microservices

## Google Maps Service (2 endpoints)

Method	Endpoint	Auth	Roles	Description
GET	/maps/autocomplete	Yes	DRIVER, OPS, MANAGER, SUPER_ADMIN	Get location suggestions
GET	/maps/geocode	Yes	DRIVER, OPS, MANAGER, SUPER_ADMIN	Geocode address to lat/lng

### Autocomplete

**GET** /maps/autocomplete

Get location suggestions for a specific query string. Validates against Google Maps Places API.

**Authentication:** Required

**Query Parameters:**

- `query` : String (Required) - The search text (e.g. "Airport")

**Response:**

```
{  
  "success": true,  
  "data": [  
    {  
      "description": "Indira Gandhi International Airport, New Delhi, Delhi 110037, India",  
      "place_id": "ChIJ..."  
    }  
  ]  
}
```

### Geocoding

**GET** /maps/geocode

Convert an address string into latitude and longitude coordinates.

**Authentication:** Required

**Query Parameters:**

- `address` : String (Required) - The address to geocode

**Response:**

```
{  
  "success": true,
```

```
    "data": {  
        "lat": 28.5561624,  
        "lng": 77.1002807,  
        "formattedAddress": "Indira Gandhi International Airport, New Delhi, Delhi 110037,  
        India"  
    }  
}
```