**Register**

* **Base URL:** http://localhost:5000/auth/register
* **Method:** POST
* **Description:** Registers a new user by providing required details.

**Request Body (JSON)**

{

"username": "arun",

"email": "arun@gmail.com",

"password": "123",

“role”:”admin

}

**Response Examples**

{

"message": "User registered successfully",

"user": {

"\_id": "67bcb5be6b3300b8f5e583d1",

"name": "arun"",

"email": "arun@gmail.com",

"role": "user",

"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOiI2N2JjYjViZTZiMzMwMGI4ZjVlNTgzZDEiLCJyb2xlIjoidXNlciIsImlhdCI6MTc0MDQyMDU0MywiZXhwIjoxNzQwNDI0MTQzfQ.gP8lnCo8NemxKOXgW2BaHvt1g8cJIaDMDjHiL8qNC3k"

}

**Login API**

**Base URL:** http://localhost:5000/auth/login

**Method:** POST

**Description:** Authenticates a user and returns a JWT token upon successful login.

**Request Body (JSON)**

{

"email": "jdgmail.com",

"password": "1d"

}

#### **Response Examples**

**Success Response (200 OK)**

{

"message": "Login successful",

"user": {

"\_id": "67b8cb2e081309b3335e1258",

"name": "Jd",

"email": "jdgmail.com",

"role": "admin",

"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOiI2N2I4Y2IyZTA4MTMwOWIzMzM1ZTEyNTgiLCJyb2xlIjoiYWRtaW4iLCJpYXQiOjE3NDA0MTk1NjEsImV4cCI6MTc0MDQyMzE2MX0.J0HFOQl339Z2DCRyr7LnRAdnkVphNAZt6RhbWwJwDzA"

}

}

### **Add Bus API**

* **Base URL:** http://localhost:5000/bus/add
* **Method:** POST
* **Description:** Allows an admin to add a new bus to the system.

Content-Type:application/json

Authorization:Bearer <token>

#### **Request Body (JSON)**

{

"name": "Mega Transport",

"number": "BUS-002",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902"

}

#### **Response Examples**

**Success Response (201 Created)**

{

"message": "Bus added successfully",

"bus": {

"name": "Mega Transport",

"number": "BUS-002",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902",

"\_id": "67bcb8056b3300b8f5e583d7",

"\_\_v": 0

}

}

### **Update Bus API**

* **Base URL:** http://localhost:5000/bus/update/busId
* **Method:** PUT
* **Description:** Allows an admin to update an existing bus's details.

Content-Type:application/json

Authorization:Bearer <token>

**Request Body (JSON)**

{

"name": "Transport",

"number": "BUS-001",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902"

}

#### **Response Examples**

**Success Response (200 OK)**

{

"message": "Bus updated successfully",

"bus": {

"\_id": "67bcb8056b3300b8f5e583d7",

"name": "Transport",

"number": "BUS-001",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902",

"\_\_v": 0

}

}

### **Delete Bus API**

* **Base URL:** http://localhost:5000/bus/delete/:busId
* **Method:** DELETE
* **Description:** Allows an admin to delete a bus using its ID.

Content-Type:application/json

Authorization:Bearer <token>

#### **Response Examples**

**Success Response (200 OK)**

{

"message": "Bus deleted successfully"

}

### **Search Bus by User API**

* **Base URL:** http://localhost:5000/bus/search
* **Method:** GET
* **Description:** Allows users to search for available buses by route ID.

Content-Type:application/json

Authorization:Bearer <token>

**Response Examples**

**Success Response (200 OK)**

[

{

"\_id": "67b8d61e1181edf51c7ea209",

"name": "Mega Transport",

"number": "BUS-002",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902",

"\_\_v": 0

},

### **Bus Booking API**

* **Base URL:** http://localhost:5000/booking/book
* **Method:** POST
* **Description:** Allows a user to book a bus by specifying the busId and the number of seats they want to book.

Content-Type:application/json

Authorization:Bearer <token>

**Request Body (JSON)**

{

"busId": "67bcbb726b3300b8f5e583e3",

"seatsBooked": 1

}

### **Response Examples**

**Success Response (**200 OK**)**

{

"message": "Bus booked successfully",

"booking": {

"userId": "67bcb5be6b3300b8f5e583d1",

"busId": "67bcbb726b3300b8f5e583e3",

"seatsBooked": 1,

"status": "booked",

"\_id": "67bcbd3c6b3300b8f5e583e9",

"date": "2025-02-24T18:41:00.209Z",

"\_\_v": 0

}

}

### **Bus Booking Cancellation API**

* **Base URL:** http://localhost:5000/booking/cancel/{bookingId}
* **Method:** DELETE
* **Description:** Allows a user to cancel a bus booking by providing the bookingId.

### **Response Examples**

**Success Response (200 OK)**

{

"message": "Booking cancelled successfully"

}

### **Add Route API (Admin Only)**

* **Base URL:** http://localhost:5000/route/add
* **Method:** POST
* **Description:** Allows an admin to add a new bus route.

Content-Type:application/json

Authorization:Bearer <token>

#### **Example Request (JSON)**

{

"start": "New York",

"destination": "Boston",

"distance": 350

}

### **Response Examples**

**Success Response (201 Created)**

json

CopyEdit

{

"message": "Route added successfully",

"route": {

"start": "New York",

"destination": "Boston",

"distance": 350,

"\_id": "67bcbeec6b3300b8f5e583f2",

"\_\_v": 0

}}

### **Update Route API (Admin Only)**

* **Base URL:** http://localhost:5000/route/update/{routeId}
* **Method:** PUT
* **Description:** Allows an admin to update an existing bus route.

Content-Type:application/json

Authorization:Bearer <token>

Example Request (JSON)

{

"start": "New York",

"destination": "Philadelphia",

"distance": 250

}

### **Response Examples**

**Success Response (**200 OK**)**

{

"message": "Route updated successfully",

"route": {

"\_id": "67bcbeec6b3300b8f5e583f2",

"start": "New York",

"destination": "Philadelphia",

"distance": 250,

"\_\_v": 0

}

}

### **Delete Route API (Admin Only)**

* **Base URL:** http://localhost:5000/route/delete/{routeId}
* **Method:** DELETE
* **Description:** Allows an admin to delete an existing bus route

Content-Type:application/json

Authorization:Bearer <token>

### **Response Examples**

**Success Response (200 OK)**

{

"message": "Route deleted successfully"

}

**Postman Collection Setup**

## **Register User**

**URL: http://localhost:5000/auth/register  
Method:** POST  
**Content-Type:** application/json

**Body:json**

{

"name": "John Doe",

"email": "johndoe@gmail.com",

"password": "password123"

}

**Response:json**

{

"message": "User registered successfully",

"user": {

"\_id": "67b8cb2e081309b3335e1258",

"name": "John Doe",

"email": "johndoe@gmail.com",

"role": "user",

"token": "your\_generated\_token"

}

}

## **Login User**

**URL:** http://localhost:5000/auth/login  
**Content-Type:** application/json

**Body:**json

{

"email": "jdgmail.com",

"password": "1d"

}

**Response:json**

{

"message": "Login successful",

"user": {

"\_id": "67b8cb2e081309b3335e1258",

"name": "Jd",

"email": "jdgmail.com",

"role": "admin",

"token": "your\_generated\_token"

}

**}**

## **Add Bus (Admin Only)**

**URL:** http://localhost:5000/bus/add  
**Method:** POST  
**Content-Type:** application/json

**Authorization:** Bearer <your\_token>

**Body:**json

{

"name": "Mega Transport",

"number": "BUS-002",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902"

}

**Response:json**

{

"message": "Bus added successfully",

"bus": {

"name": "Mega Trnsport",

"number": "BUS-001",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902",

"\_id": "67bcb8056b3300b8f5e583d7",

"\_\_v": 0

}

}

## **Update Bus (Admin Only)**

**URL:** http://localhost:5000/bus/update/67bcb8056b3300b8f5e583d7  
**Method:** PUT  
**Content-Type:** application/json

**Authorization:** Bearer <your\_token>

**Body:**json

{

"name": "Transport",

"number": "BUS-001",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902"

}

**Response**:json

{

"message": "Bus updated successfully",

"bus": {

"\_id": "67bcb8056b3300b8f5e583d7",

"name": "Transport",

"number": "BUS-001",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902",

"\_\_v": 0

}

}

## **Delete Bus (Admin Only)**

**URL:** http://localhost:5000/bus/delete/67bcb8056b3300b8f5e583d7  
**Method:** DELETE  
**Authorization: Bearer <your\_token>**

**Response:json**

{

"message": "Bus deleted successfully"

}

## **Search Bus (User)**

**URL:** http://localhost:5000/bus/search?routeId=67bcbac26b3300b8f5e583dd  
**Method:** GET  
**Response:**json

[

{

"\_id": "67b8d61e1181edf51c7ea209",

"name": "Mega Transport",

"number": "BUS-002",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902",

"\_\_v": 0

},

{

"\_id": "67bcbac26b3300b8f5e583dd",

"name": "Mega Trnsport",

"number": "BUS-001",

"seats": 60,

"availableSeats": 60,

"routeId": "65f1e3b69f5a9c456ad7c902",

"\_\_v": 0

}

]

## **Book Bus (User)**

**URL:** http://localhost:5000/booking/book  
**Method:** POST  
**Content-Type:** application/json

**Authorization:** Bearer <your\_token>

**Body:**json

{

"busId": "67bcbb726b3300b8f5e583e3",

"seatsBooked": 1

}

**Response**:json

{

"message": "Bus booked successfully",

"booking": {

"userId": "67bcb5be6b3300b8f5e583d1",

"busId": "67bcbb726b3300b8f5e583e3",

"seatsBooked": 1,

"status": "booked",

"\_id": "67bcbd3c6b3300b8f5e583e9",

"date": "2025-02-24T18:41:00.209Z",

"\_\_v": 0

}

}

## **Cancel Bus Booking (User)**

**URL:** http://localhost:5000/booking/cancel/67bcbd3c6b3300b8f5e583e9  
**Method:** DELETE  
**Authorization:** Bearer <your\_token>

**Response:**json

{

"message": "Booking cancelled successfully"

}

## **Add Route (Admin Only)**

**URL:** http://localhost:5000/route/add  
**Method:** POST  
**Content-Type:** application/json

**Authorization:** Bearer <your\_token>

**Body:**json

{

"start": "New York",

"destination": "Boston",

"distance": 350

}

**Response**:json

{

"message": "Route added successfully",

"route": {

"start": "New York",

"destination": "Boston",

"distance": 350,

"\_id": "67bcbeec6b3300b8f5e583f2",

"\_\_v": 0

}

}

## **Update Route (Admin Only)**

**URL:** http://localhost:5000/route/update/67bcbeec6b3300b8f5e583f2  
**Method:** PUT  
**Content-Type:** application/json

**Authorization:** Bearer <your\_token>

**Body:**json

{

"start": "New York",

"destination": "Philadelphia",

"distance": 250

}

**Response:**json

{

"message": "Route updated successfully",

"route": {

"\_id": "67bcbeec6b3300b8f5e583f2",

"start": "New York",

"destination": "Philadelphia",

"distance": 250,

"\_\_v": 0

}

}

## **Delete Route (Admin Only)**

**URL:** http://localhost:5000/route/delete/67bcbeec6b3300b8f5e583f2  
**Method:** DELETE  
**Authorization:** Bearer <your\_token>

**Response:**json

{

"message": "Route deleted successfully"

}