

# Event Buddy – Event Booking System API Documentation:

**Framework:** NestJS

**Tools:** VS Code, Postman, pgAdmin 4, Git & GitHub

**Language:** TypeScript

**Database:** PostgreSQL

**Base URL:** <http://localhost:3000>

## **Table of Contents:**

1. User can see upcoming, previous and details of event publicly without login
2. User registration and login using JWT auth
3. Event management using CRUD operation only for admin
4. Valid User can book event

### **1.1 Get All Upcoming Events:**

**Method:** Get

**Endpoint:** /events/upcoming

**Response:**

```
[
  {
    "id": 4,
    "name": "WWF",
    "description": "Fighting event",
    "event_date": "2025-05-27T12:00:00.000Z",
    "total_capacity": 10,
    "booked_seats": 0,
    "created_at": "2025-05-26T16:20:21.676Z",
    "updated_at": "2025-05-26T16:20:21.676Z"
  },
  {
    "id": 2,
    "name": "WWE",
    "description": "Fighting event",
    "event_date": "2025-06-01T12:00:00.000Z",
    "total_capacity": 10,
    "booked_seats": 0,
    "created_at": "2025-05-26T16:12:34.525Z",
    "updated_at": "2025-05-26T16:12:34.525Z"
  },
  {
```

```
    "id": 3,  
    "name": "WWF",  
    "description": "Fighting event",  
    "event_date": "2025-06-01T12:00:00.000Z",  
    "total_capacity": 10,  
    "booked_seats": 0,  
    "created_at": "2025-05-26T16:16:31.989Z",  
    "updated_at": "2025-05-26T16:16:31.989Z"  
  }  
]
```

## 1.2 Get All Previous Events:

**Method:** Get

**Endpoint:** /events/previous

## 1.3 Get Event Details:

**Method:** Get

**Endpoint:** /events/:id (Example: /events/2)

**Response:**

```
{  
  "id": 2,  
  "name": "WWE",  
  "description": "Fighting event",  
  "event_date": "2025-06-01T12:00:00.000Z",  
  "total_capacity": 10,  
  "booked_seats": 0,  
  "created_at": "2025-05-26T16:12:34.525Z",  
  "updated_at": "2025-05-26T16:12:34.525Z"  
}
```

## 2.1 User Registration:

**Method:** Post

**Endpoint:** /auth/register

**Body:**

```
{
  "email": "jhon46@gmail.com",
  "password": "12345678",
  "role": "admin"
}
```

**Response:**

```
{
  "id": 2,
  "email": "jhon46@gmail.com",
  "password": "$2b$10$A9uBLjebkf8enN8KtJ5oFu3gQetQIwWGUbKWH9Kb5s2JYCMGuXyky",
  "role": "admin",
  "created_at": "2025-05-26T15:53:31.615Z"
}
```

## 2.2 User Login:

**Method:** Post

**Endpoint:** /auth/login

**Body:**

```
{
  "email": "jhon45@gmail.com",
  "password": "12345678"
}
```

**Response:**

```
{
  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiEsImVtYWlsIjoiamhvbG91QGFtYWlsLmNvbSIsInJvbGUiOiJlc2VyIiwiaWF0IjoxNzQ4Mjc3MDY0LCJleHAiOiE3NDgyODAxNjR9.E54uG_My9f-oNotYSwS6kNLx08FgKqiKqalH-oYqVRo"
}
```

### 3.1 Create Event (Only Admin):

**Method:** Post

**Endpoint:** /events

**Headers:**

Authorization: Bearer {user\_token}

**Body:**

```
{
  "name": "WWF",
  "description": "Fighting event",
  "event_date": "2025-05-27T12:00:00Z",
  "total_capacity": 10
}
```

**Response:**

```
{
  "id": 4,
  "name": "WWF",
  "description": "Fighting event",
  "event_date": "2025-05-27T12:00:00.000Z",
  "total_capacity": 10,
  "booked_seats": 0,
  "created_at": "2025-05-26T16:20:21.676Z",
  "updated_at": "2025-05-26T16:20:21.676Z"
}
```

### 3.2 Get all Event List (Only Admin):

**Method:** Get

**Endpoint:** /events

**Headers:**

Authorization: Bearer {user\_token}

## Response:

```
[
  {
    "id": 3,
    "name": "WWF",
    "description": "Fighting event",
    "event_date": "2025-06-01T12:00:00.000Z",
    "total_capacity": 10,
    "booked_seats": 0,
    "created_at": "2025-05-26T16:16:31.989Z",
    "updated_at": "2025-05-26T16:16:31.989Z"
  },
  {
    "id": 4,
    "name": "WWF",
    "description": "Fighting event",
    "event_date": "2025-05-27T12:00:00.000Z",
    "total_capacity": 10,
    "booked_seats": 0,
    "created_at": "2025-05-26T16:20:21.676Z",
    "updated_at": "2025-05-26T16:20:21.676Z"
  },
  {
    "id": 2,
    "name": "WWE",
    "description": "Fighting event",
    "event_date": "2025-06-01T12:00:00.000Z",
    "total_capacity": 10,
    "booked_seats": 2,
    "created_at": "2025-05-26T16:12:34.525Z",
    "updated_at": "2025-05-26T16:32:01.426Z"
  }
]
```

### 3.3 Update Event (Only Admin):

**Method:** Put

**Endpoint:** /events/:id (Example: /events/1)

**Headers:**

Authorization: Bearer {user\_token}

**Body:**

```
{
  "name": "WWF",
  "description": "Fighting event",
  "event_date": "2025-06-01T12:00:00Z",
  "total_capacity": 30
}
```

**Response:**

```
{
  "id": 1,
  "name": "WWF",
  "description": "Fighting event",
  "event_date": "2025-06-01T12:00:00.000Z",
  "total_capacity": 30,
  "booked_seats": 0,
  "created_at": "2025-05-26T15:53:55.218Z",
  "updated_at": "2025-05-26T16:12:01.449Z"
}
```

**3.4 Delete Event (Only Admin):**

**Method:** Delete

**Endpoint:** /events/:id (Example: /events/1)

**Headers:**

Authorization: Bearer {user\_token}

**4.1 Create Event Book:**

**Method:** Post

**Endpoint:** /bookings

**Headers:**

Authorization: Bearer {user\_token}

**Body:**

```
{
  "eventId": 2,
  "seats": 2
}
```

**Response:**

```
{
  "id": 1,
  "user_id": 1,
  "event_id": 2,
  "seats_booked": 2,
  "booking_date": "2025-05-26T16:32:01.431Z"
}
```

**4.2 Get All Event Book:****Method:** Get**Endpoint:** /bookings**Headers:**

Authorization: Bearer {user\_token}

**Response:**

```
[
  {
    "id": 1,
    "user_id": 1,
    "event_id": 2,
    "seats_booked": 2,
    "booking_date": "2025-05-26T16:32:01.431Z",
    "event": {
      "id": 2,
      "name": "WWE",
      "description": "Fighting event",
      "event_date": "2025-06-01T12:00:00.000Z",
      "total_capacity": 10,
      "booked_seats": 2,
      "created_at": "2025-05-26T16:12:34.525Z",
      "updated_at": "2025-05-26T16:32:01.426Z"
    }
  }
]
```