Event Booking API Documentation

API Documentation for Event Booking API (Laravel with Sanctum)

Base URL: http://127.0.0.1:8000/api

Authentication

<u>Register</u>

POST /register

```
{
        "name": "Peter Parker",
        "email": "peterparket@marvel.com",
        "password": "marvel123"
}
```

Response:

```
{
        "user": { ... },
        "token": "access_token_here"
}
```

<u>Login</u>

POST /login

```
{
        "email": "john@example.com",
        "password": "password"
}
```

Response:

```
{
        "user": { ... },
        "token": "access_token_here"
}
```

Commented [SB1]: This access token should be stored and used in the Authorization header for authenticated requests.

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Use the token in headers:

Authorization: Bearer {token}

1. **Events (Authenticated Only)**

- List Events
  GET /events

- Create Event
  POST /events
  ```
  {
        "name": "Event 1",
        "description": "This is testing Event",
        "date": "2025-05-15",
        "capacity": 1000,
        "country": "India"
  }
  ```

- Get Event
  GET /events/{id}

- Update Event
  PUT /events/{id}
  ```
  {
        "name": "Updated Name"
  }
  ```

- Delete Event
  DELETE /events/{id}

2. **Attendees (Public)**

- Register Attendee
  POST /attendees
  ```
  {
        "name": "Steve Rogers",
        "email": "steverogers@marvel.com"
  }
  ```

- Update Attendee
  PUT /attendees/{id}
  ```
  {
        "name": "Caption America"
  }
  ```

- Delete Attendee
  DELETE /attendees/{id}

3. **Bookings (Public)**

- Create Booking
  POST /bookings
  ```
  {
          "event_id": 1,
          "attendee_id": 1
  }
  ```
- Delete Booking
  DELETE /bookings/{id}

- Validations:
  Prevents:
  - Duplicate booking
  - Overbooking (capacity exceeded)
- Errors
  - 401 Unauthorized: Missing or invalid token
  - 422 Unprocessable Entity: Validation or logic error (e.g. duplicate booking)
  - 404 Not Found: Resource does not exist
- Covers:
  - Events (CRUD)
  - Attendees (CRUD)
  - Bookings (create/delete + validations)

Notes:

1. Include Authorization: Bearer {token} for protected routes
2. Always use API **Base URL** at the start of endpoint. I have attached Postman collection for your reference in the repository.