# Event Management Dashboard Documentation

## Project Overview

The Event Management Dashboard is a web-based application designed to streamline the process of managing events, attendees, and tasks. The project includes a responsive frontend, a robust backend, and seamless integration.

## Instructions to Set Up and Run the Project

### Prerequisites

- Node.js (v14 or higher)

- MongoDB installed and running locally or a connection string for a MongoDB cloud service

- Git (optional for cloning)

### Step 1: Clone the Repository

1. Clone the repository and navigate to the project directory:

```bash  
git clone <repository-url>  
cd Event-Management-Dashboard  
```

### Step 2: Backend Setup

1. Navigate to the backend directory:

```bash  
cd backend  
```

2. Install dependencies:

```bash  
npm install  
```

3. Set up environment variables:

* - Create a `.env` file in the `backend` directory with the following content:  
  ```  
  PORT=5000  
  MONGO\_URI=mongodb://localhost:27017/eventManagement  
  ```- Replace `MONGO\_URI` with your MongoDB connection string if running on the cloud.

4. Start the backend server:

```bash  
node server.js  
```

### Step 3: Frontend Setup

1. Navigate to the frontend directory:

```bash  
cd ../frontend  
```

2. Install dependencies:

```bash  
npm install  
```

3. Start the development server:

```bash  
npm start  
```

## Details of the APIs Developed

### Event Management APIs

1. \*\*Create an Event\*\*

- Endpoint: `POST /api/events`

- Request Body:

```json  
{  
 "name": "Event Name",  
 "description": "Event Description",  
 "location": "Event Location",  
 "date": "YYYY-MM-DD"  
}  
```

2. \*\*Get All Events\*\*

- Endpoint: `GET /api/events`

- Response:

```json  
[  
 {  
 "\_id": "event\_id",  
 "name": "Event Name",  
 "description": "Event Description",  
 "location": "Event Location",  
 "date": "YYYY-MM-DD",  
 "attendees": []  
 }  
]  
```