Group 44

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**API Endpoint Details**

1. **List All Events**

* Endpoint: /events
* Method: GET
* Description: This endpoint lists all events recorded in the database. It does not require any input parameters.
* Output JSON Format:

[

{

"id": "string",

"name": "string",

"date": "string",

"time": "string",

"location": "string",

"description": "string"

}

]

1. **Adding a New Event**

* Endpoint: /events
* Method: POST
* Description: This endpoint creates a new event by taking the event information provided in JSON format and saves this event in the database.
* Input JSON Format:

{

"name": "string",

"date": "string",

"time": "string",

"location": "string",

"description": "string"

}

* Output JSON Format:

{

"id": "string",

"name": "string",

"date": "string",

"time": "string",

"location": "string",

"description": "string"

}

1. **Searching for Events by Name**

* Endpoint: /events/search/name/{name}
* Method: GET
* Description: This endpoint searches the namespace based on the {name} value given in the URL. Here {name} is a path variable, that is, a dynamic value received from the user and is part of the URL.
* Entry: The event name specified as {name} in the URL.
* Output JSON Format:

[

{

"id": "string",

"name": "string",

"date": "string",

"time": "string",

"location": "string",

"description": "string"

}

]

1. **Event Search by Location**

* Endpoint: /events/search/location/{location}
* Method: GET
* Description: This endpoint searches the location field based on the {location} value given in the URL. {location} is a path variable and is a dynamic value received from the user as part of the URL.
* Entry: Event location specified as {location} in the URL.
* Output JSON Format:

[

{

"id": "string",

"name": "string",

"date": "string",

"time": "string",

"location": "string",

"description": "string"

}

]

When the system first starts, it reads predefined events from the JSON file and saves them in the database. This process is performed automatically if there is no activity in the database.