

API documentation

Method	Base Url	Api endpoint	Payload	Description
POST	/api	/nudges	eventId: Event ID, title: string, coverImage: file/image, scheduleTime: Date, description: string, icon: string, invitationMessage: string	Creates a new nudge with an unique id associated with an event
GET	/api	/nudges?id=:nudge_id		Fetches a single nudge by its unique ID.
GET	/api	/nudges? title={} & type={} & eventId={} & scheduleTime[lt]={} &scheduleTime[gt]={ }		Gets all nudges for specific event , event type , title and events having time greater than or less than particular time
PUT	/api	/nudges/:id	Same as POST payload	Updates a specific nudge by its ID.
DELETE	/api	/nudges/:id		Deletes a nudge by its ID.

Object Data Model Of An Event

```
{  
  "_id": "ObjectId",  
  "eventId": "ObjectId",    {Event the nudge is associated with}  
  "title": "string", { Title of the nudge}  
  "coverImage": "string", {URL or coverimage }  
  "scheduleTime": "Date", { Time to send the nudge}  
  "description": "string", {Detailed description of the nudge}
```

```
"icon": "string", { Icon representing the nudge }
"invitationMessage": "string", { Short message displayed when minimized }
"createdAt": "Date", {Timestamp of creation}
"updatedAt": "Date" {Timestamp of last update }
}
```

Documentation of CRUD Functionality

1.Create

- **Endpoint:** POST /api/nudges
- **Description:** Creates a new nudge associated with an event.
- **Request Payload:**{

```
"eventId": "ObjectId",
"title": "string",
"coverImage": "string",
"scheduleTime": "Date",
"description": "string",
"icon": "string",
"invitationMessage": "string"
}
```

- **Response:**
 - **201 Created:** Nudge successfully created.
 - **Response Body:** {

```
"message": "Nudge created successfully",
"nudge": { created object}
}
```

2. Retrieve Nudges (GET)

- **Endpoint 1:** GET api/nudges?title={} & type={} & eventId={} & scheduleTime[lt]={} & scheduleTime[gt]={}
- **Description:** Retrieves a list of nudges, with optional filtering by title, type, eventId, and scheduleTime.
- **Optional Query Parameters:**
 - title={}: Filter nudges by title.
 - type={}: Filter nudges by type (if applicable).
 - eventId={}: Retrieve nudges associated with a specific event.
 - scheduleTime[lt]={}: Retrieve nudges scheduled before a specified time.
 - scheduleTime[gt]={}: Retrieve nudges scheduled after a specified time.
- **Response:**
 - **200 OK:** List of nudges returned.
 - **Response Body:**

```
{
  "_id": "ObjectId",
  "eventId": "ObjectId",
  "title": "string",
  "coverImage": "string",
  "scheduleTime": "Date",
  "description": "string",
  "icon": "string",
  "invitationMessage": "string",
  "createdAt": "Date",
  "updatedAt": "Date"
}
```

- **Endpoint 2:** GET /api/nudges/:id
- **Description:** Retrieves a single nudge by its ID.
- **Request Parameters:**

- id: The ID of the nudge to retrieve.
- **Response:**
 - **200 OK:** Nudge details returned.
 - **Response Body:**{

```
"_id": "ObjectId",
"eventId": "ObjectId",
"title": "string",
"coverImage": "string",
"scheduleTime": "Date",
"description": "string",
"icon": "string",
"invitationMessage": "string",
"createdAt": "Date",
"updatedAt": "Date"
}
```

3. Update Nudge (PUT)

- **Endpoint:** PUT api/nudges/:id
- **Description:** Updates an existing nudge by its ID.
- **Request Parameters:**
 - id: The ID of the nudge to update.
- **Request Payload:**

```
{
"title": "string",      // Updated title (optional)
"coverImage": "string", // Updated cover image (optional)
"scheduleTime": "Date", // Updated scheduled time (optional)
"description": "string", // Updated description (optional)
"icon": "string",       // Updated icon (optional)
"invitationMessage": "string" // Updated one-line invitation message (optional)
}
```

- **Response:**
 - **200 OK:** Nudge successfully updated.
 - **Response Body:**

```
{  
  "message": "Nudge updated successfully",  
  "nudge": { Updated Nudge object }  
}
```

4. Delete Nudge (DELETE)

- **Endpoint:** DELETE api/nudges/:id
- **Description:** Deletes a specific nudge by its ID.
- **Request Parameters:**
 - id: The ID of the nudge to delete.
- **Response:**
 - **200 OK:** Nudge successfully deleted.
 - **Response Body:**

```
{  
  "message": "Nudge deleted successfully"  
}
```

Error Handling

- **400 Bad Request:** This status code is returned when required fields are missing or invalid.
- **404 Not Found:** This status code is returned if the requested nudge is not found.
- **500 Internal Server Error:** This status code is returned if something goes wrong on the server side.

