**Base URL:**

The base URL for all nudge-related API endpoints is:

http://localhost:5000/api/v3/app/nudges

**1. Create a New Nudge**

**Endpoint:**

POST /nudges

**Description:**

This endpoint allows the user to create a new nudge for an event. The user must provide all the required details such as event ID, title, cover image, send time, description, icon, and invitation text.

**Request:**

* **Method**: POST
* **Endpoint**: /nudges
* **Request Payload**:

json

{

"event\_id": "event-id", // Unique identifier for the related event

"title": "Nudge Title", // Title of the nudge

"cover\_image": "image-url", // URL or path to the image for the nudge cover

"send\_time": "YYYY-MM-DD HH:MM:SS", // The time when the nudge should be sent

"description": "Detailed description", // Detailed description for the nudge

"icon": "icon-url", // URL or path to the icon of the nudge

"invitation\_text": "One-line invitation" // Invitation text shown when the nudge is minimized

}

**Response:**

* **Success**:
  + **Status Code**: 201 Created
  + **Response Example**:

json

{

"message": "Nudge created successfully",

"nudge\_id": "unique-id"

}

* **Error**:
  + **400 Bad Request** if the required fields are missing or invalid.
  + **500 Internal Server Error** for database-related issues.

**2. Get All Nudges**

**Endpoint:**

GET /nudges

**Description:**

This endpoint retrieves a list of all nudges created by the user or available in the system. It returns a paginated list of nudges.

**Request:**

* **Method**: GET
* **Endpoint**: /nudges
* **Query Parameters**:
  + limit: (Optional) Number of nudges to return per page (default is 10).
  + page: (Optional) Page number to fetch (default is 1).

Example request:

GET /nudges?limit=10&page=1

**Response:**

* **Success**:
  + **Status Code**: 200 OK
  + **Response Example**:

json

[

{

"nudge\_id": "unique-id-1",

"event\_id": "event-id",

"title": "Nudge Title 1",

"cover\_image": "image-url",

"send\_time": "YYYY-MM-DD HH:MM:SS",

"description": "Description of the first nudge",

"icon": "icon-url",

"invitation\_text": "Invitation text"

},

{

"nudge\_id": "unique-id-2",

"event\_id": "event-id",

"title": "Nudge Title 2",

"cover\_image": "image-url",

"send\_time": "YYYY-MM-DD HH:MM:SS",

"description": "Description of the second nudge",

"icon": "icon-url",

"invitation\_text": "Invitation text"

}

]

* **Error**:
  + **500 Internal Server Error** if there is an issue fetching the list.

**3. Get a Nudge by ID**

**Endpoint:**

GET /nudges/:id

**Description:**

This endpoint retrieves a specific nudge by its unique ID. It provides all the details about the nudge, including event ID, title, description, and other associated data.

**Request:**

* **Method**: GET
* **Endpoint**: /nudges/:id
  + :id should be replaced with the unique nudge ID.

Example request:

GET /nudges/unique-id-1

**Response:**

* **Success**:
  + **Status Code**: 200 OK
  + **Response Example**:

json

{

"nudge\_id": "unique-id-1",

"event\_id": "event-id",

"title": "Nudge Title",

"cover\_image": "image-url",

"send\_time": "YYYY-MM-DD HH:MM:SS",

"description": "Description of the nudge",

"icon": "icon-url",

"invitation\_text": "Invitation text"

}

* **Error**:
  + **404 Not Found** if the nudge with the specified ID does not exist.
  + **500 Internal Server Error** if there is an issue fetching the nudge.

**4. Update a Nudge**

**Endpoint:**

PUT /nudges/:id

**Description:**

This endpoint allows the user to update the details of an existing nudge. The user must provide the updated fields, such as the title, description, cover image, etc.

**Request:**

* **Method**: PUT
* **Endpoint**: /nudges/:id
  + :id should be replaced with the unique nudge ID.

Example request:

json

{

"title": "Updated Nudge Title",

"cover\_image": "updated-image-url",

"send\_time": "YYYY-MM-DD HH:MM:SS",

"description": "Updated description",

"icon": "updated-icon-url",

"invitation\_text": "Updated invitation text"

}

**Response:**

* **Success**:
  + **Status Code**: 200 OK
  + **Response Example**:

json

{

"message": "Nudge updated successfully"

}

* **Error**:
  + **404 Not Found** if the nudge with the specified ID does not exist.
  + **500 Internal Server Error** for any update failures.

**5. Delete a Nudge**

**Endpoint:**

DELETE /nudges/:id

**Description:**

This endpoint allows the user to delete a specific nudge by its ID. Once deleted, the nudge cannot be recovered.

**Request:**

* **Method**: DELETE
* **Endpoint**: /nudges/:id
  + :id should be replaced with the unique nudge ID.

Example request:

DELETE /nudges/unique-id-1

**Response:**

* **Success**:
  + **Status Code**: 200 OK
  + **Response Example**:

json

Copy code

{

"message": "Nudge deleted successfully"

}

* **Error**:
  + **404 Not Found** if the nudge with the specified ID does not exist.
  + **500 Internal Server Error** for any deletion failures.

**Error Codes**

* **400 Bad Request**: The request could not be understood or was missing required parameters.
* **404 Not Found**: The requested resource (nudge) could not be found.
* **500 Internal Server Error**: An error occurred on the server while processing the request.

**Example Use Cases**

1. **Create a new nudge for an event**:
   * A user wants to create a new nudge for a specific event with a title, description, and a set time to send the nudge.
2. **Retrieve a list of all nudges**:
   * A user wants to view all the nudges created so far, with pagination support.
3. **Get details of a specific nudge**:
   * A user wants to retrieve details of a particular nudge using its ID.
4. **Update an existing nudge**:
   * A user wants to update an existing nudge, including changing the title, image, or description.
5. **Delete a nudge**:
   * A user wants to delete a specific nudge that is no longer needed.