**Nudge API Documentation**

**Object Data Model for Nudge**

A "nudge" represents a notification or alert associated with an event. Below is the structure of the nudge object:

* type: "nudge"
* id: MongoDB ObjectId (unique identifier)
* event\_id: MongoDB ObjectId (references the associated event)
* title: String (title of the nudge)
* cover\_image: File (uploaded image as the nudge cover)
* send\_time: Timestamp (date and time to send the nudge)
* description: String (detailed description of the nudge)
* icon: File (uploaded icon image for the nudge)
* invitation: String (one-line invitation text)
* status: String (e.g., "scheduled", "sent", "cancelled")

**Base URL**

Base URL: /api/v3/app

**API Endpoints**

| **Request Type** | **Endpoint** | **Payload** | **Description** |
| --- | --- | --- | --- |
| **GET** | /nudges/:id | - | Retrieves a specific nudge by its unique ID. |
| **GET** | /nudges?event\_id=:id | - | Retrieves all nudges associated with a specific event. |
| **POST** | /nudges | event\_id, title, cover\_image, send\_time, description, icon, invitation, status | Creates a new nudge and returns the created nudge's ID. |
| **PUT** | /nudges/:id | event\_id, title, cover\_image, send\_time, description, icon, invitation, status | Updates an existing nudge by its ID. |
| **DELETE** | /nudges/:id | - | Deletes a specific nudge by its unique ID. |

**CRUD Functionalities**

**1. Get a Nudge**

**Description**: Fetches a specific nudge by its unique ID.

* **Request Type**: GET
* **Endpoint**: /nudges/:id
* **Payload**: None
* **Response**:

json

{

    "id": "64a8f4d52f0034abc1234567",

    "event\_id": "64a8f4d52f0034abc7654321",

    "title": "Event Reminder",

    "cover\_image": "https://example.com/image.jpg",

    "send\_time": "2024-11-22T18:00:00Z",

    "description": "Don't miss the upcoming event!",

    "icon": "https://example.com/icon.jpg",

    "invitation": "Join us for the big day!",

    "status": "scheduled"

}

**2. Create a Nudge**

**Description**: Creates a new nudge.

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

json

{

    "event\_id": "64a8f4d52f0034abc7654321",

    "title": "Event Reminder",

    "cover\_image": "file (multipart upload)",

    "send\_time": "2024-11-22T18:00:00Z",

    "description": "Don't miss the upcoming event!",

    "icon": "file (multipart upload)",

    "invitation": "Join us for the big day!",

    "status": "scheduled"

}

* **Response**:

json

{

    "id": "64a8f4d52f0034abc1234567",

    "message": "Nudge created successfully"

}

**3. Update a Nudge**

**Description**: Updates an existing nudge by its unique ID.

* **Request Type**: PUT
* **Endpoint**: /nudges/:id
* **Payload**:

json

{

    "title": "Updated Event Reminder",

    "send\_time": "2024-11-23T10:00:00Z",

    "description": "Updated description",

    "invitation": "Updated invitation text",

    "status": "cancelled"

}

* **Response**:

json

{

    "message": "Nudge updated successfully"

}

**4. Delete a Nudge**

**Description**: Deletes a nudge by its unique ID.

* **Request Type**: DELETE
* **Endpoint**: /nudges/:id
* **Payload**: None
* **Response**:

json

{

    "message": "Nudge deleted successfully"

}

**5. Get Nudges for an Event**

**Description**: Fetches all nudges associated with a specific event.

* **Request Type**: GET
* **Endpoint**: /nudges?event\_id=:id
* **Payload**: None
* **Response**:

json

[

    {

        "id": "64a8f4d52f0034abc1234567",

        "title": "Event Reminder 1",

        "send\_time": "2024-11-22T18:00:00Z",

        "status": "scheduled"

    },

    {

        "id": "64a8f4d52f0034abc7654321",

        "title": "Event Reminder 2",

        "send\_time": "2024-11-23T12:00:00Z",

        "status": "sent"

    }

]

**Error Handling**

* **400 Bad Request**: Missing or invalid payload.
* **404 Not Found**: Nudge or event not found.
* **500 Internal Server Error**: Unexpected server error.