**Nudge API Documentation**

Overview:

The Nudge API allows users to create, retrieve, update, and delete nudges. A nudge is a notification-like feature that contains information about events or articles. This API supports file uploads (e.g., images/icons) and schedule-based reminders.

Object Data Model for Nudge:

const NudgeSchema = {

id: String, // Unique identifier for the nudge

tag: String, // Event or article tagged for the nudge

title: String, // Title of the nudge (max 60 characters)

image: String, // URL or path of the uploaded image

schedule: {

date: String, // Date in "dd/mm/yy" format

startTime: String, // Start time in "hh:mm" format

endTime: String, // End time in "hh:mm" format

},

description: String, // Description of the nudge

icon: String, // URL or path of the chosen icon

invitation: String, // One-line invitation text

createdAt: Date, // Timestamp of creation

updatedAt: Date, // Timestamp of last update

};

**Base URL** – /api/v1/nudges

Endpoints**:**

1. **Create a Nudge**

- Endpoint: POST /api/v1/nudges

- Description: Create a new nudge with all necessary details.

- Request Payload:

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| tag | string | Tag the event or article for the nudge. |
| title | string | Title of the nudge (max 60 characters). |
| image | File/Image | Cover image for the nudge (JPEG/PNG). |
| schedule | JSON Object | Date and time for the nudge. |
| description | string | Detailed description of the nudge. |
| icon | File/Image | Icon for the minimized view of the nudge. |
| invitation | string | One-line invitation text for the nudge. |

1. **Get All Nudges**

-Endpoint: GET /api/v1/nudges

-Description: Retrieve a list of all nudges

1. **Get a Nudge by ID**

-Endpoint: GET /api/v1/nudges/:id

-Description: Retrieve a specific nudge by its unique ID.

1. **Update a Nudge**

-Endpoint: PUT /api/v1/nudges/:id

-Description: Update an existing nudge by ID.

-Payload (partial updates allowed):

{

"tag": "Updated Event or Article Name",

"title": "Updated Nudge Title",

"image": "base64 encoded updated image or URL",

"schedule": {

"date": "Updated date",

"startTime": "Updated start time",

"endTime": "Updated end time"

},

"description": "Updated description",

"icon": "Updated base64 encoded icon or URL",

"invitation": "Updated one-line invitation text"

}

1. Delete a Nudge

-Endpoint: DELETE /api/v1/nudges/:id

-Description: Delete a specific nudge by its ID.

Error Handling:

* 400 Bad Request: Returned when required fields are missing or data validation fails.
* 404 Not Found: Returned when a nudge with the specified ID is not found.
* 500 Internal Server Error: Returned when there’s an issue with the server.