

API Documentation: Nudge Creation and Management

Overview

The Nudge API allows users to create, update, view, and manage nudges linked to events or articles. A nudge consists of details such as title, image, description, scheduling information, an optional icon, and a one-line invitation. This document provides the API structure, data model, and CRUD functionalities.

Base URL

Base URL: <https://api.example.com/v1/nudges>

Data Model

```
{
  "id": "string", // Unique identifier for the nudge
  "title": "string", // Title of the nudge (maximum 60 characters)
  "imageUrl": "string", // URL of the uploaded cover image
  "description": "string", // Detailed description of the nudge
  "schedule": {
    "date": "string", // Date in the format dd/mm/yyyy
    "from": "string", // Start time in the format hh:mm
    "to": "string" // End time in the format hh:mm
  },
  "icon": "string", // URL or identifier for the selected icon
  "invitation": "string", // One-line invitation (e.g., "Swipe right to check it out")
  "tag": "string" // Associated event or article ID
}
```

API

Endpoints

1. Create a Nudge

Endpoint: POST /

Description: Allows the creation of a new nudge for an event or article.

Payload:

```
{
  "title": "string",
  "imageUrl": "string",
  "description": "string",
  "schedule": {
    "date": "string",
    "from": "string",
    "to": "string"
  },
  "icon": "string",
  "invitation": "string",
  "tag": "string"
}
```

Response:

- 201 Created
 - Body: The created nudge object
-

2. Retrieve a Nudge

Endpoint: GET /:id

Description: Fetches the details of a specific nudge by its unique ID.

Response:

- 200 OK
 - Body: The nudge object
-

3. Update a Nudge

Endpoint: PUT /:id

Description: Updates the details of an existing nudge.

Payload:

```
{
  "title": "string",
  "imageUrl": "string",
  "description": "string",
  "schedule": {
    "date": "string",
    "from": "string",
    "to": "string"
  },
  "icon": "string",
  "invitation": "string",
  "tag": "string"
}
```

Response:

- 200 OK
 - Body: The updated nudge object
-

4. Delete a Nudge

Endpoint: DELETE /:id

Description: Deletes a specific nudge by its unique ID.

Response:

- 204 No Content
-

5. List All Nudges

Endpoint: GET /

Description: Retrieves a list of all available nudges.

Response:

- 200 OK
 - Body: An array of nudge objects
-

Error Handling

Status Code		Description
400	->	Bad Request: Invalid input data
404	->	Not Found: Nudge ID does not exist
500	->	Internal Server Error: Unexpected issue

Example UsageCreate a Nudge

Request:

POST / HTTP/1.1

Content-Type: application/json

```
{
  "title": "Workshop Reminder",
  "imageUrl": "https://example.com/images/workshop.jpg",
  "description": "Join our workshop on reflections and learn new skills!",
  "schedule": {
    "date": "25/12/2024",
    "from": "10:00",
    "to": "12:00"
  },
  "icon": "https://example.com/icons/workshop.png",
  "invitation": "Swipe right to join the workshop!",
  "tag": "event12345"
}
```

Response:

```
{
  "id": "nudge67890",
  "title": "Workshop Reminder",
  "imageUrl": "https://example.com/images/workshop.jpg",
  "description": "Join our workshop on reflections and learn new skills!",
  "schedule": {
    "date": "25/12/2024",
    "from": "10:00",
    "to": "12:00"
  },
  "icon": "https://example.com/icons/workshop.png",
  "invitation": "Swipe right to join the workshop!",
  "tag": "event12345"
}
```

"tag": "event12345"

}

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