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.

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Base URL

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

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Data Model

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| --- |
| {  "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:

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| --- |
| {  "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

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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

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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

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4. Delete a Nudge

Endpoint: DELETE /:id

Description: Deletes a specific nudge by its unique ID.

Response:

* 204 No Content

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5. List All Nudges

Endpoint: GET /

Description: Retrieves a list of all available nudges.

Response:

* 200 OK
* Body: An array of nudge objects

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Error Handling

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

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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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