דברים שאולי צריך להוסיף:

1. מי יצר את המשימה (כדי שמשימה לא "תיעלם" כשהיא עוברת הקצאה)
2. תגיות למשימות
3. דוקיומנטציה להתחברות (כל מה שקשור למשתמשים בעצם)
4. משיכת משימות לפי parent task על מנת להציג את המשימה עם תתי המשימות שלה

To-Do List Application API Documentation

Overview

This document outlines the API endpoints available for the To-Do List Application.

It provides information on the methods used to create, retrieve, update, and manage to-do items.

API Methods

# CreateToDoItem

## Endpoint Description:

Creates a new to-do item with the specified details.

HTTP Method: POST

URI: /api/todoitems

Request Payload: json

{

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": false

}

Response Structure: json

{

"key": "string",

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": false

}

## Error Codes:

400 Bad Request: Missing or invalid request payload.

401 Unauthorized: User not authenticated.

500 Internal Server Error: An error occurred on the server.

## 

## Operation Example:

POST /api/todoitems HTTP/1.1

Host: example.com

Content-Type: application/json

{

"title": "Buy milk",

"description": "2 liters of skim milk",

"parentTaskKey": "",

"startDate": "2023-04-01T09:00:00",

"dueDate": "2023-04-02T18:00:00",

"endDate": "2023-04-02T18:00:00",

"assignee": "john.doe@example.com",

"completed": false

}

# AssignTaskToUser

## Endpoint Description:

Assigns an existing to-do item to a specified user.

HTTP Method: PUT

URI: /api/todoitems/assign/{key}

Request Payload: json

{

"assignee": "string"

}

Response Structure: json

{

"key": "string",

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": "boolean"

}

## Error Codes:

400 Bad Request: Missing or invalid request payload or the specified key does not exist.

401 Unauthorized: User not authenticated.

403 Forbidden: User does not have permission to assign tasks.

404 Not Found: The specified to-do item key was not found.

500 Internal Server Error: An error occurred on the server.

## 

## Operation Example:

PUT /api/todoitems/assign/230401123456 HTTP/1.1

Host: example.com

Content-Type: application/json

{

"assignee": "jane.doe@example.com"

}

# GetToDoItemsByAssignee

## Endpoint Description:

Retrieves all to-do items assigned to a specific user.

HTTP Method: GET

URI: /api/todoitems/assignee/{assignee}

Request Payload: None

## Response Structure:

[

{

"key": "string",

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": boolean

}

]

## Error Codes:

401 Unauthorized: User not authenticated.

# GetToDoItemByKey

## Endpoint Description:

Retrieves a to-do item by its key.

HTTP Method: GET

URI: /api/todoitems/{key}

Request Payload: None

## Response Structure:

{

"key": "string",

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": boolean

}

## Error Codes:

404 Not Found: The specified to-do item key was not found.

401 Unauthorized: User not authenticated.

# GetAllToDoItems

## Endpoint Description:

Retrieves all to-do items.

HTTP Method: GET

URI: /api/todoitems

Request Payload: None

## Response Structure:

[

{

"key": "string",

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": boolean

}

]

## Error Codes:

401 Unauthorized: User not authenticated.

# UpdateToDoItem

## Endpoint Description:

Updates an existing to-do item.

HTTP Method: PUT

URI: /api/todoitems/{key}

## Request Payload:

{

"title": "string (optional)",

"description": "string (optional)",

"parentTaskKey": "string (optional)",

"startDate": "YYYY-MM-DDTHH:MM:SS (optional)",

"dueDate": "YYYY-MM-DDTHH:MM:SS (optional)",

"endDate": "YYYY-MM-DDTHH:MM:SS (optional)",

"assignee": "string (optional)",

"completed": boolean (optional)

}

## Response Structure:

{

"key": "string",

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": boolean

}

## Error Codes:

400 Bad Request: Missing or invalid fields in the request payload.

404 Not Found: The specified to-do item key was not found.

401 Unauthorized: User not authenticated.

# DeleteToDoItemByKey

## Endpoint Description:

Deletes a to-do item by its key.

HTTP Method: DELETE

URI: /api/todoitems/{key}

Request Payload: None

Response Structure:

{

"message": "ToDo item deleted successfully."

}

## Error Codes:

404 Not Found: The specified to-do item key was not found.

401 Unauthorized: User not authenticated.

# MarkToDoItemAsCompleted

## Endpoint Description:

Marks a to-do item as completed.

HTTP Method: PUT

URI: /api/todoitems/complete/{key}

Request Payload: None

## Response Structure:

{

"key": "string",

"completed": true

}

## Error Codes:

404 Not Found: The specified to-do item key was not found.

401 Unauthorized: User not authenticated.

# GetToDoItemsDueToday

## Endpoint Description:

Retrieves all to-do items due today.

HTTP Method: GET

URI: /api/todoitems/due/today

Request Payload: None

## Response Structure:

[

{

"key": "string",

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": boolean

}

]

## Error Codes:

401 Unauthorized: User not authenticated.

# GetOverdueToDoItems

## Endpoint Description:

Retrieves all overdue to-do items.

HTTP Method: GET

URI: /api/todoitems/overdue

Request Payload: None

## Response Structure:

[

{

"key": "string",

"title": "string",

"description": "string",

"parentTaskKey": "string",

"startDate": "YYYY-MM-DDTHH:MM:SS",

"dueDate": "YYYY-MM-DDTHH:MM:SS",

"endDate": "YYYY-MM-DDTHH:MM:SS",

"assignee": "string",

"completed": boolean

}

]

## Error Codes:

401 Unauthorized: User not authenticated.