Introduction

This document provides detailed information about the User Management API, which allows CRUD (Create, Read, Update, Delete) operations on user records. The API provides endpoints for managing user data, including creating new users, retrieving user information, updating user details, and deleting user records.

Base URL

The base URL for accessing the database is <http://localhost:9090/h2>

Driver Class: org.h2.Driver

JDBC URL: jdbc:h2:mem:testdb

Username: admin

Password: admin

**Endpoints**

Get All Users

Endpoint (GET): /getAllUsers

Description: Retrieve a list of all user records.

Response: An array of user objects.

Get one or more users by Id

Endpoint (GET): /getSpecificUsersById

Description: Retrieve one or more specific user records by ID.

Request Body: Array of IDs

Response: An array of user objects with the specific Ids.

Get a user by Id

Endpoint (GET): /getUserById

Description: Retrieve a specific user record by ID.

Path Parameters: Id

Response: The user objects with the specific Id.

Add a User

Endpoint(POST): /addUser

Description: Add a new User.

Request Body (json):

{

"username": "username1",

"email": "newemail@example.com",

"firstname": "New",

"lastname": "Name"

}

Response: The updated user object.

Update a User

Endpoint (PUT): /updateUserById/{id}

Description: Update the details of a specific user.

Request Body (json):

{

"username": "new\_username",

"email": "new\_email@example.com",

"firstname": "New",

"lastname": "Name"

}

Response: The updated user object.

Delete a User

Endpoint (DELETE): /deleteUserById/{id}

Description: Delete a specific user record by ID.

Path Parameters: Id

Response: 200 OK (204 No Content).

Delete Multiple Users

Endpoint (DELETE): /deleteUsersByIds

Description: Delete multiple user records by IDs.

Request Body (json):

[1,

2,

3]

Response: 200 OK (204 No Content).

Error Handling

The User Management API follows standard HTTP status codes and error response formats. In case of errors, the API may respond with appropriate HTTP status codes along with error details in the response body.

Here are some commonly returned status codes:

200 OK: Successful request.

201 Created: User created successfully.

204 No Content: Successful deletion or no content to return.

400 Bad Request: Invalid request or missing required parameters.

404 Not Found: User or resource not found.

500 Internal Server Error: Server-side error occurred.

Conclusion

This documentation provides an overview of the User Management API and its endpoints for CRUD operations on user records. It covers the request/response format, error handling, and basic usage instructions. Use this documentation as a reference to integrate and interact with the User Management API in your applications.