

# Backend Task1 for Syntecxhub — API Documentation

## Project Description

This project is part of an internship provided by Syntecxhub, where different backend tasks were assigned and implemented using Node.js. The system provides a complete Users CRUD API with search functionality, tested and documented using Swagger (OpenAPI).

## Developer Information

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## API Endpoints Overview

- 1 POST /users/addNewUser — Add a new user to the database.
- 2 GET /users/getAllUsersRegisteredData — Retrieve all users.
- 3 GET /users/{id} — Retrieve a specific user by integer ID.
- 4 PUT /users/{id} — Update user data and return old and updated values.
- 5 DELETE /users/{id} — Delete a user by ID.
- 6 GET /users/search — Search users by first, middle, last, or full name.
- 7 GET /hello — Health check endpoint.
- 8 Error Handling APIs — Test 400, 404, and 500 error responses.

## Technologies Used

- 1 Node.js
- 2 Express.js
- 3 MongoDB
- 4 Mongoose
- 5 Swagger (OpenAPI) for API documentation