mock-user-auth API Test Suite

Overview

This project contains automated tests for validating the **mock-user-auth API**. It tests both **valid** and **invalid** use cases of user registration, authentication, and user management operations.

The tests are written using:

- **Supertest:** HTTP assertions
- **Mocha:** Test runner
- **Chai:** Assertions
- **Mochawesome:** Reporting

API URL

https://www.npmjs.com/package/mock-user-auth

Base URL

`http://localhost:3000`

Endpoints Covered

Endpoint	Description
POST `/api/v1/users`	Create a new user
POST `/api/v1/auth`	Authenticate a user
PATCH `/api/v1/users`	Update user details
GET `/api/v1/users`	Retrieve user details
DELETE `/api/v1/users`	Delete a specific user
DELETE `/api/v1/all-users`	Delete all users (admin operation)

Test Suites

Test Suite 1: Valid API Scenarios

- Create a new user (valid inputs)
- Authenticate with valid credentials
- Update user with a valid token
- Get user details with a valid token
- Delete a user with a valid token
- Delete all users with a valid admin key

Test Suite 2: Invalid API Scenarios

- Create user with missing fields or no fields
- Create user with existing credentials
- Authenticate with invalid, missing, or no credentials
- PATCH/GET/DELETE user with invalid/missing tokens
- Delete all users with invalid admin key or missing authorization headers

Test Execution

Install dependencies

```
npm install
```

Run tests

```
npx mocha test/auth.test.js --reporter mochawesome
```

The Mochawesome report will be generated in the `mochawesome-report/` directory.

🔗 Author

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