IT2234: Web Service and Server Technologies - Practical

Assignment 01

Department of Physical Science

Faculty of Applied Science, University of Vavuniya

Answer All Questions

Deadline : 10th of April 2025

Instructions:

The Node JS project is available in the shared drive as a ZIP file, copy it to your local drive and extract it. The project is embedded with the necessary data. After finishing your code work, place only the files that were created by yourself in the Z drive (don't copy the whole project folder).

Scenario:

You're tasked with developing a RESTful API for a blogging platform. The API should allow users to perform filter operations on blog posts. The data for users, blog posts, and comments are already available in the project.

Technology: Node JS, Express, JavaScript

Editor: VS code.

Questions:

1. Find the user of the given ID along with his/her number of posts and comments. Expected output is shown in Figure 1.
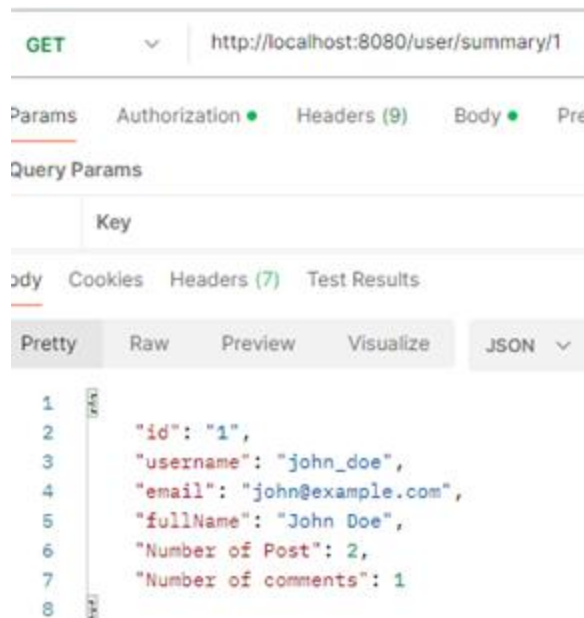

Figure 1 Screen capture of user's summary

2. Retrieve the comments and the commentator's full name only of the specified post ID. Expected output is shown in Figure 2.
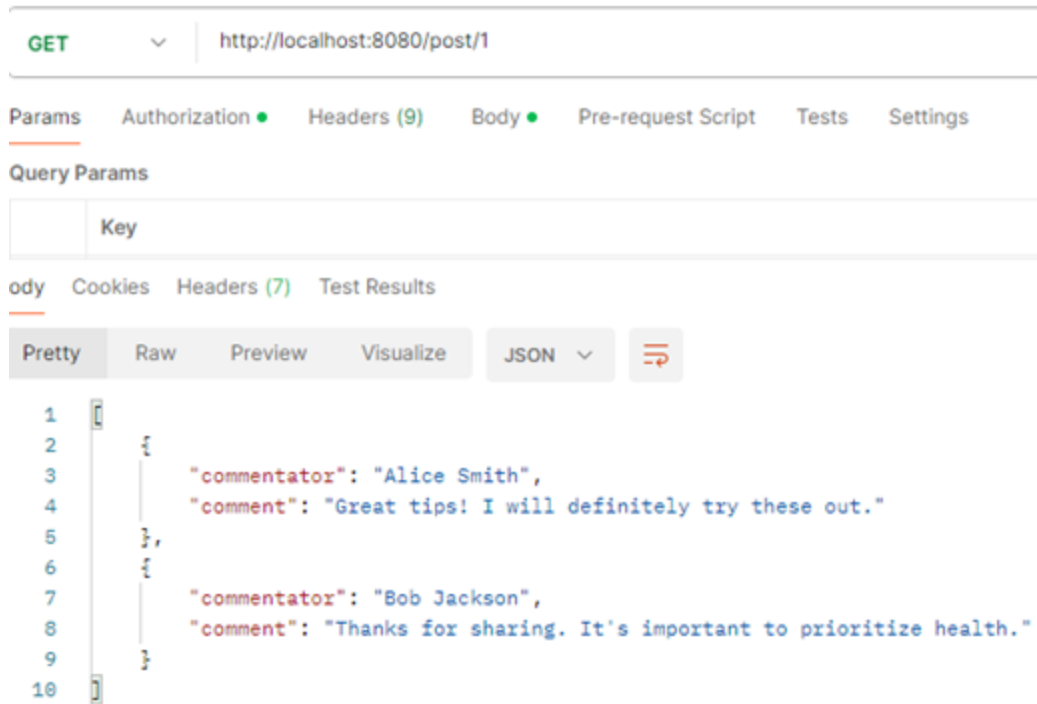

Figure 2 Screen capture of post's comments

3. When the given ID is unavailable in the array return the proper HTTP status code and respond.
4. Create separate routes to access the filters of users and blog posts.

[100 mark]