SOFTWARE ENGINEERING HW4 – gr485

Description of the test cases.

- The code is written in server.js
- The test cases are written in codespec.spec.js
- There are a total of 16 test cases written, and a brief outline of test cases is as follows.

Test Cases:

- 1. should handle a valid JSON POST request
- 2. should handle a valid XML POST request
- 3. should handle a valid text/plain POST request
- 4. should respond with 400 Bad Request for invalid JSON data with JSON content-type
- 5. should respond with 400 Bad Request for invalid plain text data with text/plain content-type
- should respond with 400 Bad Request for invalid XML data with application/xml content-type
- should respond with 415 Unsupported Media Type for an unsupported content type
- 8. should respond with 405 Method Not Allowed for GET requests
- 9. should respond with 405 Method Not Allowed for PUT requests
- 10. should respond with 405 Method Not Allowed for PATCH requests
- 11. should respond with 405 Method Not Allowed for DELETE requests
- 12. should respond with 400 Bad Request for an empty request body
- 13. should respond with 413 Request Entity Too Large for a large request body
- 14. should respond with 413 Request Entity Too Large for a large XML request body
- 15. should respond with 413 Request Entity Too Large for a large JSON request body
- 16. should handle case-insensitive content types

```
[gayathri@nbp-84-113 se_4 % npx jasmine /Users/gayathri/Desktop/SE_4/codespec.spec.js
Randomized with seed 50687
Started
Server is running at http://127.0.0.1:3005/
Server is running at http://127.0.0.1:3000/
.Server is running at http://127.0.0.1:3005/
Server is running at http://127.0.0.1:3005/
16 specs, 0 failures
Finished in 0.037 seconds
Randomized with seed 50687 (jasmine --random=true --seed=50687)
```

Postman:

Inputs/parameters to test the validity of the code when postman is the client

```
METHOD: POST
http://127.0.0.1:3000/

BODY
{
    "key1": "value1",
    "key2": "value2",
    "key3": "value3"
}
```

Headers

Content-Type:application/json

BODY { "key1": "value1", "key2": "value2", "key3": "value3" }

Headers

Content-Type: text/plain

BODY

Hello grader

Headers

Content-Type:application/xml

BODY

<root>

<element1>Value 1</element1>

<element2>Value 2</element2>

<element3>Value 3</element3>

</root>