## Summary of design considerations

Retry class consists of rest crud methods which implement retry logic.

- retryGet(): get request with retry logic and error handling.
- retryPost(): post request with retry logic and error handling.
- retryDelete(): delete request with retry logic and error handling.

Routes.js module consists of the routes which handles incoming requests..

- List products : /products
- Add a new product : /products with request body.
- Delete a product: /products/:id
- Update an existing product : /product/:id with the request body

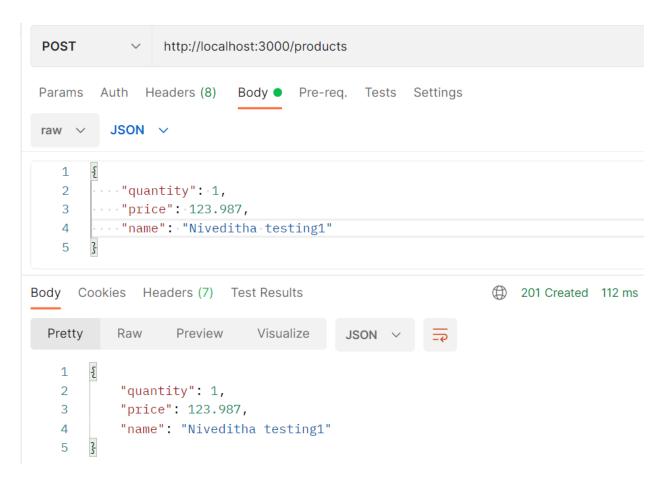
# Working screenshots:

1) List products: <a href="http://localhost:3000/products">http://localhost:3000/products</a>

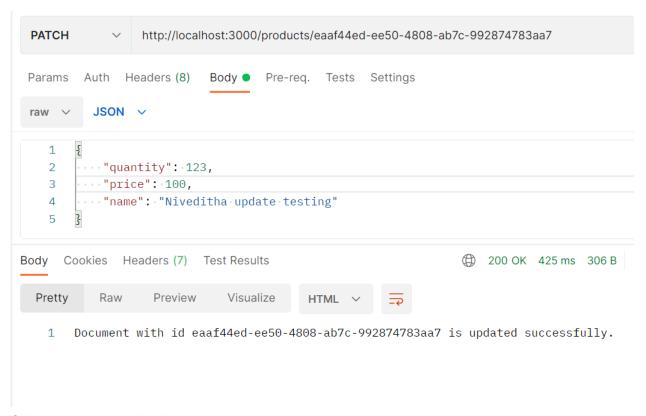
### $\leftarrow$ $\rightarrow$ $\mathbf{C}$ (i) localhost:3000/products

```
// 20220427110906
1
2
       // http://localhost:3000/products
3
4
       {
         "bundle": [
5
6
           {
7
             "quantity": 1,
             "id": "18776b14-cc73-4ea4-81f9-1b4595ee70c5",
8
             "price": 123.987,
9
             "name": "string"
10
11
           },
           {
12
13
             "quantity": 2089087,
             "id": "eaaf44ed-ee50-4808-ab7c-992874783aa7",
14
15
             "price": 10,
             "name": "Niveditha 123ghf"
16
17
           },
18
             "quantity": 10,
19
             "id": "11150cb0-d23b-4d34-8587-4478bb610c8e",
20
             "price": 30,
21
             "name": "Shampoo Tipo 2"
22
23
           },
24 ▼
```

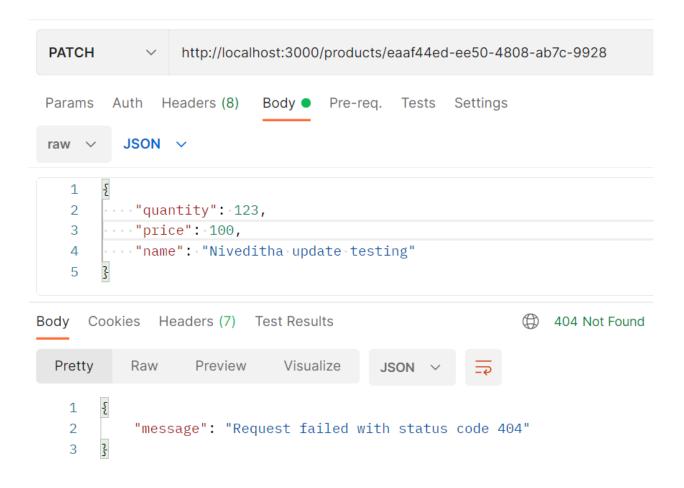
2) Add a new product : <a href="http://localhost:3000/products">http://localhost:3000/products</a>



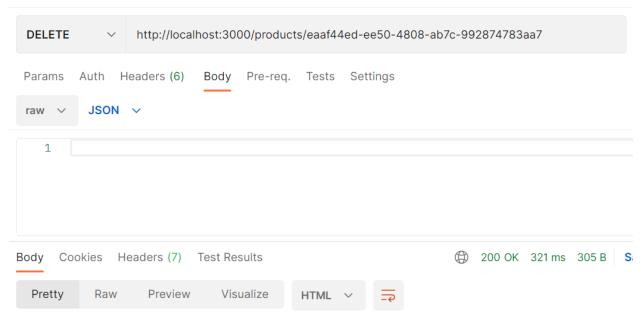
3) Update an existing product: <a href="http://localhost:3000/products/:id">http://localhost:3000/products/:id</a>



If the product doesn't exist:

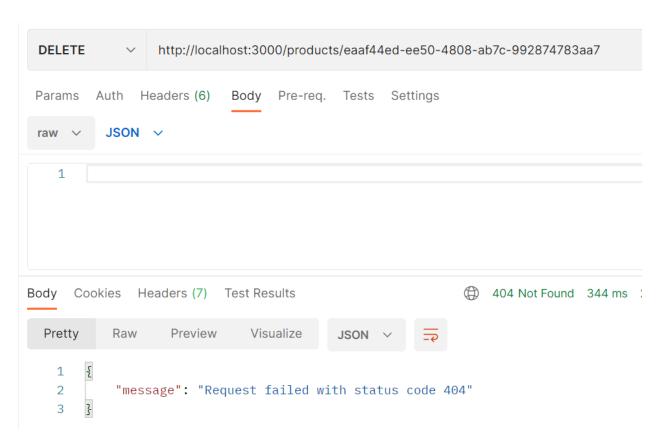


4) Delete a product: <a href="http://localhost:3000/:id">http://localhost:3000/:id</a>



1 Document with id eaaf44ed-ee50-4808-ab7c-992874783aa7 is deleted successfuly.

#### If the product id doesn't exist:



# Proposed next steps/improvements:

Currently the implemented post rest api does not guarantee the persistence of the data as the data is stored in memory.