Name : ABHA GOEL
Date : 13 MARCH 2020

Pre-Requisites

- Node JS

- No SQL

- Express JS

- Axios

- memory-cache

- mocha and chai

- Vue JS

TASK 1:

End-Point: /getBeerDetails REST endpoint to retrieve a list of beers
Request Param: Type: String, Info: Beer Name
Description: This end-point will receive a request param which is the name of the beer the user wanted to get the details about. Once the beer name is received the endpoint uses axios to send a get call to the PUNK API, to get the list of all beer details as a JSON response. This end-point also uses a memory cache, where the endpoint first looks in the cache for the beer details, if the details are available in the cache then the axios call will not be made, in case the details are not in the cache then there will be an axios call made to the PUNK API to retrieve the beer details.

TASK 2:

End-Point: /loadRating REST endpoint to allow a user to add a rating to a beer
Request Param: Beer Id, Users´ rating and Users´ comment
Description: This end-point will receive an id, then based on the PUNK API´s response the endpoint will search for that id in the response JSON and will insert the rating for that beer in the NO SQL. The inserted data can be found dbfile.nosql file. I used No Sql insert function in order to insert the details in the database.

TASK 3:

Description: All the requests made to this REST API are validated with the help of custom middleware by using x-user header parameter. Validation for the x-user header parameter containing the email address is done. All the requests made are logged to the NoSQL database as requested.

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TASK 4:

Description: Used the mocha and chai dependencies to handle the Unit test cases for the two end-points which checks for the expected response.

TASK 5:

Description: Used the memory-cache technique for the first end-point.

References:

- PUNK API

- Express JS API documentation

- Axios documentation

- memory-cache readme