

Question :

The Data is given as the json and i have to Parse it and store the data in the database .And I have to create two Endpoints

- /api/recipes (params : page,limit)
- /api/recipes/search (params: calories, rating, title

And have to create the frontend for the endpoints.

What I Done :

1) Data Parsing and Storing in the database(importData.js)

Db name : recipes ,table name : Recipe

- I have taken the schema from the question and I have made use of sequelize to connect my local sql database.
- After connecting and model (schema) building using sequelize , i have converted the objects data from json file to the list array values.
- Then ,I have iterated to all the rows and inserted all the records to the database by running the file importData.js
 - node importData.js
- After running , the data will be stored in the database.

2)Endpoint Creation :

Server File : server.js (localhost:8080)

- Initially I have connected the database to my server using the sequelize and also I have defined the table schema using sequelize define.
- Then mainly ,I have created the two endpoints
 - /api/recipes
 - This have two params (page ,limit) → Based on the page number , the offset is calculated and records are found .Then the records are sent to the endpoint for the frontend retrieval.
 - /api/recipes/search
 - This have three params (rating, categories ,title) → based on the params the records are filtered ,and send to endpoint as json.
- Additionally, I have also created three endpoints to filter the records separately
 - /api/recipes/search/cuisine/:cuisine
 - /api/recipes/search/rating/:rating
 - /api/recipes/search/calories/:calories

3) Frontend Creation :

- I have created the two input fields(page,limit) , and I have passed the inputs to the params of the '/api/recipes ' get endpoint. Based on the result from the endpoint (stored in list), the data is being shown in the frontend as a list using the map function .
- And then , I have created the three inputs (title, rating, calories) ,and I have passed the inputs to params of the 'api/recipes/search' get endpoint. And the result is stored in the filter list .Then the filter list is render to the frontend using the map function.

To Run The Code :

/backend/ :

- npm i
- node importData.js
- node server.js

/frontend/:

- npm install
- npm start