Backend API for Food Order Platform – Glints

Setup Environment:

1. Clone the git repository from https://github.com/SaifuddinTipu/Backend-Glints.git
2. Run `npm install` to install all node dependencies required
3. Run `npm start` to run the project
4. The base URL for the project will be http://localhost:3000/
5. For production the base URL is https://backend-glints.herokuapp.com/

API Testing example with POSTMAN:

1. **List all restaurants are open at a certain datetime:**
   Method: **GET**
   URL: https://backend-glints.herokuapp.com/api/restaurants/list-all-restaurants
   Body: select raw, type JSON

   ```
   {
       "time": "2022-02-06 15:30:00"
   }
   ```
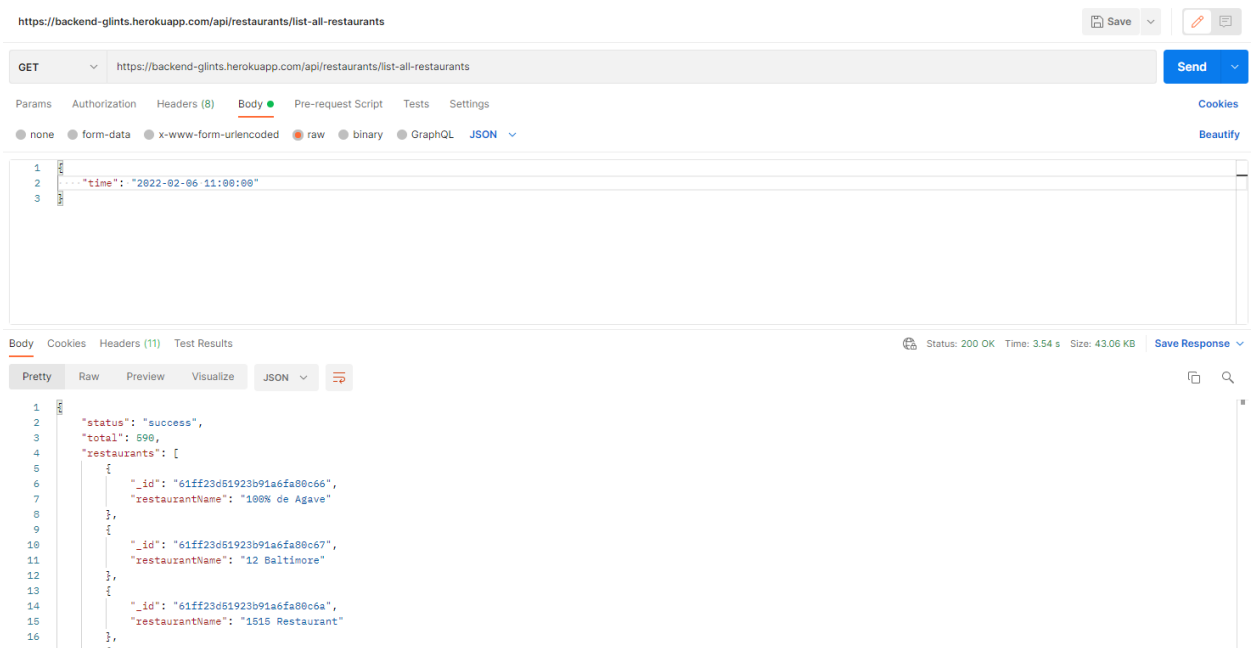
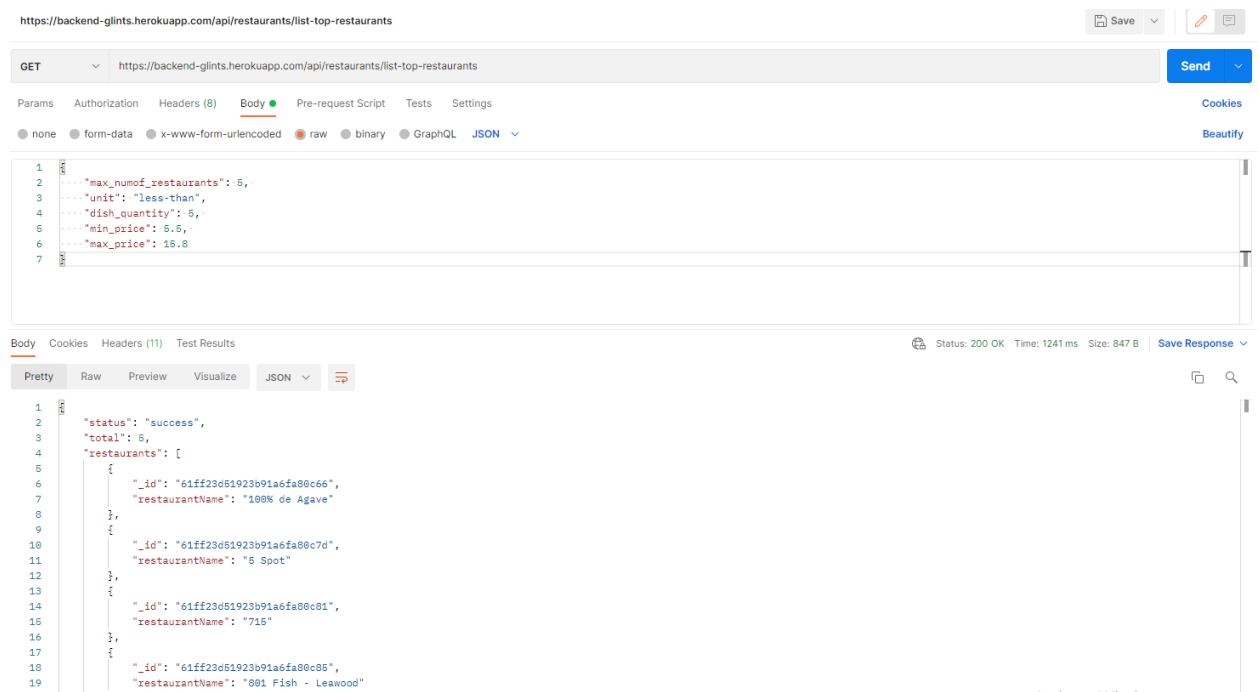2. **List top Y restaurants that have more or less than x number of dishes within a price range:**

Method: **GET**

URL: https://backend-glints.herokuapp.com/api/restaurants/list-top-restaurants

Body: select raw, type JSON

```
{
    "max_numof_restaurants": 5,
    "unit": "less-than",
    "dish_quantity": 5,
    "min_price": 5,
    "max_price": 20
}
```
In unit please use "less-than" or "more-than"
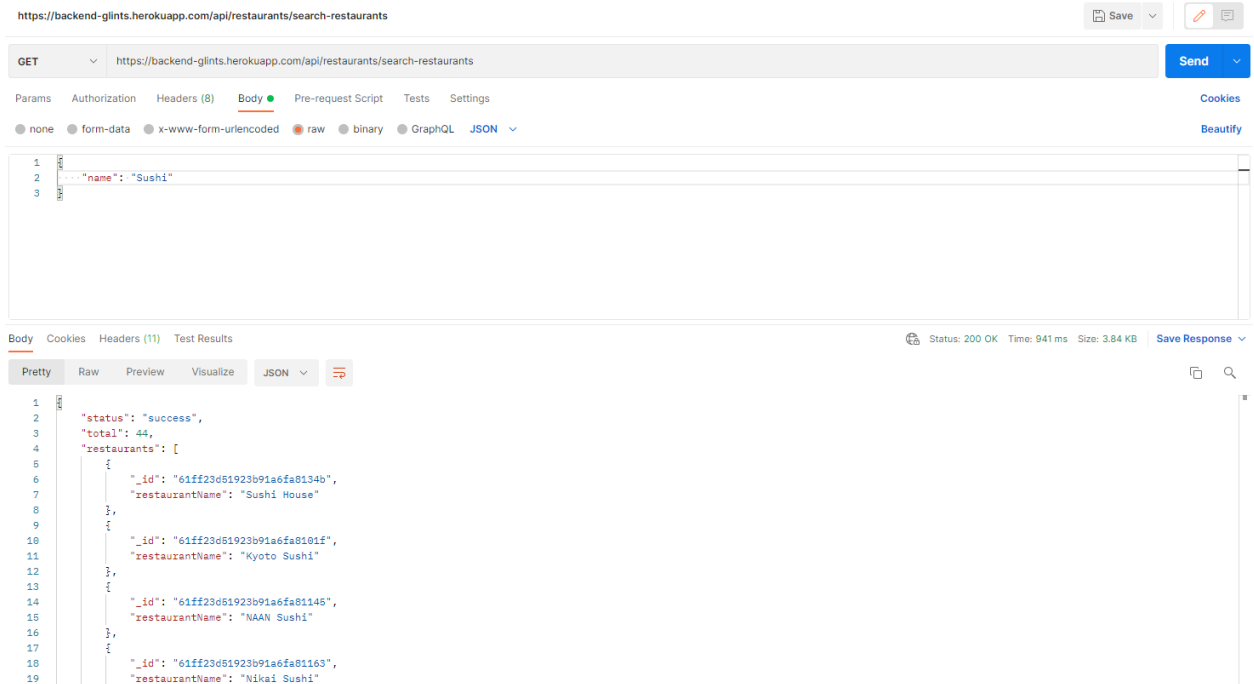

3. **Search for restaurants or dishes by name, ranked by relevance to search term:**

Method: **GET**

URL: https://backend-glints.herokuapp.com/api/restaurants/search-restaurants

Body: select raw, type JSON

```
{
    "name": "Sushi"
}
```

https://backend-glints.herokuapp.com/api/restaurants/search-restaurants

GET ⌄   https://backend-glints.herokuapp.com/api/restaurants/search-restaurants   Send ⌄

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests   Settings   Cookies

⚪ none ⚪ form-data ⚪ x-www-form-urlencoded ⦿ raw ⚪ binary ⚪ GraphQL   JSON ⌄   Beautify

1   {
2   "name": "Sushi"
3   }

Body Cookies Headers (11) Test Results   Status: 200 OK Time: 941 ms Size: 3.84 KB   Save Response ⌄

Pretty   Raw   Preview   Visualize   JSON ⌄

1   {
2   "status": "success",
3   "total": 44,
4   "restaurants": [
5   {
6   "_id": "61ff23d51923b91a6fa8134b",
7   "restaurantName": "Sushi House"
8   },
9   {
10   "_id": "61ff23d51923b91a6fa8101f",
11   "restaurantName": "Kyoto Sushi"
12   },
13   {
14   "_id": "61ff23d51923b91a6fa81145",
15   "restaurantName": "NAAN Sushi"
16   },
17   {
18   "_id": "61ff23d51923b91a6fa81163",
19   "restaurantName": "Nikai Sushi"

4. **Process a user purchasing a dish from a restaurant, handling all relevant data changes in an atomic transaction:**

Method: **POST**

URL: https://backend-glints.herokuapp.com/api/restaurants/list-top-restaurants

Body: select raw, type JSON

```
{
    "user_id": "2",
    "restaurant_id": "61ff23d51923b91a6fa80c63",
    "dishName": "La Romaine Braisée au Fond de Veau",
    "restaurantName": "'Ulu Ocean Grill and Sushi Lounge",
    "transactionAmount": 10.59,
    "transactionDate": "02/10/2020 04:09 AM"
}
```

https://backend-glints.herokuapp.com/api/users/purchase

⬜ Save ▾ ✏️ 🗒️

POST ▾ | https://backend-glints.herokuapp.com/api/users/purchase | **Send** ▾

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings   Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL **JSON** ▾   Beautify

```
1  {
2      "user_id": "2",
3      "restaurant_id": "61ff23d51923b91a6fa80c63",
4      "dishName": "La Romaine Braisée au Fond de Veau",
5      "restaurantName": "'Ulu Ocean Grill and Sushi Lounge",
6      "transactionAmount": 10.59,
7      "transactionDate": "02/10/2020 04:09 AM"
8  }
```

Body Cookies Headers (11) Test Results   Status: 200 OK Time: 2.73 s Size: 1.01 KB Save Response ▾

Pretty Raw Preview Visualize JSON ▾

```
1  {
2      "status": "success",
3      "userData": {
4          "_id": "61ff23e01923b91a6fa81502",
5          "cashBalance": 821.13,
6          "id": 2,
7          "name": "Hildegard Gabrielsen",
8          "purchaseHistory": [
9  >          {…
14             },
15 >          {…
20             },
21             {
22                 "dishName": "La Romaine Braisée au Fond de Veau",
23                 "restaurantName": "'Ulu Ocean Grill and Sushi Lounge",
24                 "transactionAmount": 10.59,
25                 "transactionDate": "2020-02-10T04:09:00.000Z"
26             }
27         ],
```