Tharushi Pathirana

1. Project Overview

- **Project Name**: Recipe Finder API

- **Technologies Used**:

    o **Backend**: Spring Boot

    o **Database**: MySQL

1. **Configure the application properites** :

    o Create a new database in MySQL.

    o Update the application.properties file with database configurations

    spring.datasource.url=jdbc:mysql://localhost:3306/db_name?createDatabaseIfNoExist=true

    spring.datasource.username=username

    spring.datasource.password=password

    - o Replace your_app_id with the app ID you obtained from Edamam.
    - o Replace your_app_key with the app key you obtained from Edamam.

    edamam.api.url=https://api.edamam.com/api/recipes/v2

    edamam.api.app_id=your_app_id

   edamam.api.app_key=your_app_key

3. API Endpoints

User Registration

- **Endpoint**: POST /users/register

- **Request Body**:

```
{

  "username": "string",

  "password": "string"

}
```

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http://localhost:8080/recipes/recipe_2f8b4eb1f0594d75b24ecd416bf9e303

Save   Share

GET   http://localhost:8080/recipes/recipe_2f8b4eb1f0594d75b24ecd416bf9e303   Send

Params •   Authorization   Headers (6)   Body   Scripts   Settings   Cookies
Query Params
Key   Value   Description   Bulk Edit

Body   Cookies   Headers (14)   Test Results   200 OK • 1013 ms • 5.22 KB   Save Response

Pretty   Raw   Preview   Visualize   JSON

1 {
2   "image": "https://edamam-product-images.s3.amazonaws.com/web-img/2cc/2cc23e99179da798b6cc8e20c854a0a4.jpg?
       X-Amz-Security-Token=IQoJb3JpZ21uX2VjEFQaCXVzLWVhc3QtMSJIMEYCIQCf1Q%2BxF9dh3WAvleaN36uOfNEtz5MHFgyDJNAwVZticAIhAIJKTPUdYp1qbGgcBBJHEIa2XUO9TH5nRg16tqxWL5BLKsIFCM3%2F%2F%2F%2F%2F%2F%2F%2F%2FwEQABoMMTg3MDE3MTUwOTg2IgzPnDVWKEy0Td2igUcqlgUKQDKDnvg9u9983ge27xL2Lf%2BYidzMHwxHlflk%2Ft0J3f0Ne3OskWQY28PezYpbj%2BMzkgJBUzl6Ksa2o3ZzACgQXhKr%2BOZd1dQ4EfKnPI5zUZIXBqLNNLLrjwDqhoQf2LIuLOz8d1fIapEEsHx1JhDCCZRdUlYsl8zNu%2B5IACGiaraN%2FXMcqhbQue9p5KQbtST1q7qmd13cGJ%2BMVBBUIqt%2FcY%2BFn9Xnh41quqDheqmZ92iibIErViw1R6AuB4jh0iXlDnXjmiGwhz7LsiJw1ZY%2FQi5xFZLw6KScwgDDMbKDxOUxxvh5hoEsjdb9e0LGn6NE%2FiPpo8W3qQ0pIkMQNH8k%2FOWM3TshZAzGO%2BtvFAeFNYkc3fxt0UL%2FL%2Bpht208dZjpqTTz86hlJx4nk1Ciq7a%2FdrgGg8FwV%2FUZ82VRmSWf%2BeybNsh0FhMKQ6W8sOOyIaj2Niy%2FiRNfANMjhmPF4YUKJRhivBbp9%2B3IGMBZcX0AAAefNAwcFN4ovSH59VB%2Fluaxo5wRvd%2Fqa%2FRgqU5p5jZDJmKUTdQFgEJ6v%2FUBWn6y7ASWNNXM18V4aopJi1SF2TBC3QcZYXTm63t3tkXXNaSgL6JzfoYxA4z%2FeIgm9jmnbkUUABueWq6hP9Q43wNOBtfunIqbSxp6jzVTU4mcIa%2BkV0qE54J3WdUIGBithaoVWio73UbDeKhHHS5j7%2B4GxM7Ow7PwHx0MmaGRlX%2F2cTFD2mchcYEMDJtPokpsxW%2F%2F9O0dSLK%2B8BAWvTgvNgimVKGn6QoVq0bAslrBHtvhxq5FUlCExwRqFHxKehZ71k%2BIOapXkJtuaD5AbYqYwCZcAXuuj6KEOZKDp51wv6S5ajoKZv8wMLFLuKcAJmWA2q6B4ID0RdexzTDK45u5BjqwAc1HIu5b4Hy35%2BRp1XUi2zx%2FmmXnxg5mMGhZjFI3Kbr7aNv61SS8oZKYGf2Uy02nY56NSSBR%2BW2tmyQVxwpz5JRw8sXVOP06amE984JEH7R64pDJYZ38AUKsvQjdv7drCotEla%2FtRgeJO2sTLMEinblyTmP14CvZMeD%2FUJ2HOTT%2F4loIJizN7G8Z88WMfkIjiNmIVNPcwLRJHulxj23kT2o6tGlaj8runKBGfEmggJk2&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20241103T044706Z&X-Amz-SignedHeaders=host&X-Amz-Expires=3600&X-Amz-Credential=ASIASXCYXIIFA67ASUFS%2F20241103%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Signature=53b3ed897959a9178588b708675a9b45e4b95e8967d2ef4b5f9b6732f82fd73c",
3   "instructions": "http://www.edamam.com/recipe/microwave-chicken-tomato-risotto-2f8b4eb1f0594d75b24ecd416bf9e303/-",
4   "healthLabels": [
5   "Gluten-Free",
6   "Wheat-Free",
7   "Egg-Free",
8   "Peanut-Free",
9   "Tree-Nut-Free",
10   "Soy-Free",
11   "Fish-Free",
12   "Shellfish-Free",
13   "Pork-Free",

http://localhost:8080/users/1/favorites

Save

GET   http://localhost:8080/users/1/favorites   Send

Params   Authorization   Headers (8)   Body •   Scripts   Settings   Cookies
Query Params
Key   Value   Description   Bulk Edit

Body   Cookies   Headers (14)   Test Results   200 OK • 12 ms • 824 B   Save Response

Pretty   Raw   Preview   Visualize   JSON

1 [
2   {
3   "id": 3,
4   "recipeId": "recipe_123",
5   "addedAt": "2024-11-03T01:36:51"
6   },
7   {
8   "id": 4,
9   "recipeId": "recipe_12345",
10   "addedAt": "2024-11-03T01:39:54"
11   },
12   {
13   "id": 5,
14   "recipeId": "recipe_12345",
15   "addedAt": "2024-11-03T09:26:17"
16   },
17   {
18   "id": 6,
19   "recipeId": "recipe_12345",
20   "addedAt": "2024-11-03T09:26:20"
21   },
22   {
23   "id": 7,

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http://localhost:8080/recipes/search?ingredients=chicken, tomato

Save | Share

GET | http://localhost:8080/recipes/search?ingredients=chicken, tomato | Send

Params • | Authorization | Headers (6) | Body | Scripts | Settings | Cookies

Query Params

Key	Value	Description	••• Bulk Edit
☑ ingredients	chicken, tomato		

Body | Cookies | Headers (14) | Test Results   200 OK • 1742 ms • 56.83 KB ⊕ | Save Response •••

Pretty | Raw | Preview | Visualize | JSON ⌄ |

1 [
2   {
3   "image": "https://edamam-product-images.s3.amazonaws.com/web-img/2cc/2cc23e99179da798b6cc8e20c854a0a4.jpg?
           X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFQaCXVzLWVhc3QtMSJIMEYCIQCf1Q%2BxF9dh3WAvleaN36uOfNEtz5MHFqyDJNAwVZticAIhAIJKTPUdYp1qbGgcBBJHEIa2XUO9TH5nRg16tqxWL5BLKsIFCM3%2F%2F%2F
           %2F%2F%2F%2F%2F%2F%2FwEQABoMMTg3MDE3MTUwOTg21gzPnDVWKEy0Td2igUcqlgUKQDKDnvg9u9983ge27xL2Lf%2BYidzMHwxHlflk%2Ft0J3f0Ne3OskWQY28PezYpbj%2BMzkgJBUzl6Ksa2o3ZzACgQXhKr%2BOZd1dQ
           4EfKnPI5zUZIX8qLNNLLrjwDqhoQf2LIuL0z8d1fIapEEsHx1JhDCCZRdUlYsl8zNu%2B5IACGiaraN%2FXMcqhbQue9p5KQbtST1q7qmd13cGJ%2BMVBBUIqt%2FcY%2BFn9Xnh41quqDheqmZ92iibIErViw1R6AuB4jh0iXl
           DnXjmiGwhz7LsiJw1ZY%2FQi5xFZLw6KScwgDDMbKDxOUxxvh5hoEsjdb9e0LGn6NE%2FiPpo8W3qQ0pIkMQNH8k%2FOWM3TshZAzGO%2BtvFAeFNYkc3fxt0UL%2FL%2Bpht208dZjpqTTz86hlJx4nk1Ciq7a%2FdrgGg8FwV
           %2FUZ82VRmSWf%2BeybNsh0FhMKQ6W8sODyIaj2Niy%2FzRNfANMjhmPF4YUKJRhivBbp9%2B3IGMBZcX0AAAefNAwcFN4ovSH59VB%2Fluaxo5wRvd%2Fqa%2FRgqU5p5jZDJmKUTdQFgEJ6v%2FUBWn6y7ASWNNXM18V4aopJ
           i1SF2TBC3QcZYXTm63t3tkXXNaSgL6JzfoYxA4z%2FeIgm9jmnbkUUABueWq6hP9Q43wNO8tfunIqbSxp6jzVTU4mcIa%2BkV0qE54J3WdUIGBithaoVWio73UbDeKhHHS5j7%2B4GxM7Ow7PWHx0MmaGRlX%2F2cTFD2mchcYE
           MDJtPokpsxW%2F%2F9D0dSLK%2B8BAWvTgvNgimVKGn6QoVq0bAslzBHtvhxq5FUlCExwRqFHxKehZ71k%2BIOapXkJtuaD5AbYqYwCZcAXuuj6KEOZKDpS1wv6S5ajoKZv8wMLFLuKcAJmWA2q6B4ID0RdexzTDK45u5BjqwAc
           iHIu5b4Hy35%2BRp1XUi2zx%2FmmXnxg5mMGhZjFI3Kbz7aNv6iSS8oZKYGf2Uy02nY56NSSBR%2BW2tmyQVxwpz5JRw8sXVOP06amE984JEH7R64pDJYZ38AUKsvQjdv7drCotEla%2FtRgeJO2sTLMEinblyTmP14CvZMeD%2
           FUJ2HOTT%2F4loTJizN7G8Z88wMfkIjiNmIVNPcwLRJHulxj23kT2o6tGlaj8runKBGfEmggJk2&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20241103T044613Z&X-Amz-SignedHeaders=host&
           X-Amz-Expires=3600&X-Amz-Credential=ASIASXCYXIIFA67ASUFS%2F20241103%2Fus-east-1%2Fs3%2Faws4_request&
           X-Amz-Signature=c8cd87fe5313ccf25956110547061e2609fbf9488b80fbafcd71d179bb31d2c9",
4   "instructions": "http://www.edamam.com/recipe/microwave-chicken-tomato-risotto-2f8b4eb1f0594d75b24ecd416bf9e303/chicken%2Ctomato",
5   "description": "This recipe is perfect for lunch/dinner, especially if you're in the mood for a main course. It's suitable for various preferences and aligns with a variety
           of diets, offering health benefits like Gluten-Free, Wheat-Free, Egg-Free, Peanut-Free, Tree-Nut-Free, Soy-Free, Fish-Free, Shellfish-Free, Pork-Free, Red-Meat-Free,
           Crustacean-Free, Celery-Free, Mustard-Free, Sesame-Free, Lupine-Free, Mollusk-Free, Alcohol-Free, Sulfite-Free.",
6   "ingredients": [
7   "30g salted butter",

http://localhost:8080/users/1/favorites

Save | Share

POST | http://localhost:8080/users/1/favorites | Send

Params | Authorization | Headers (8) | Body • | Scripts | Settings | Cookies

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

1 {
2   "recipeId": "recipe_12345"
3 }
4

Body | Cookies | Headers (14) | Test Results   200 OK • 102 ms • 461 B ⊕ | Save Response •••

Pretty | Raw | Preview | Visualize | Text ⌄ |

1 Recipe added to favorites successfully