FINAL PROJECT REPORT

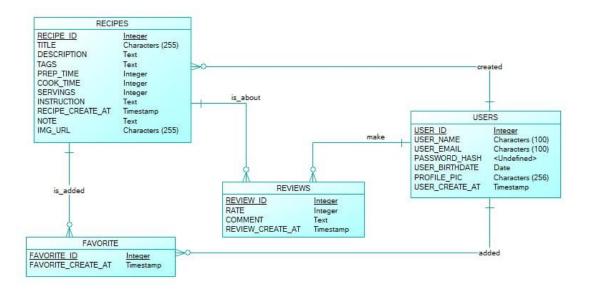
SEMESTER 1, ACADEMIC YEAR: 2024-2025

CT313H: WEB TECHNOLOGIES AND SERVICES

- Project/Application name: Food Recipes Website
- **GitHub links (for both frontend and backend):** <u>24-25Sem1-Courses/ct313h03-project-hong-nguyen13:</u> <u>ct313hm03-ct313h03-project-ct313h-project created</u> by GitHub Classroom
- Youtube link for demo: https://youtu.be/Px4Tnli4r4E
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- Student ID 2: B2105698
- Student Name 2: Le Quoc Dat
- Class/Group Number: CT313HM03

I. Introduction

- Project/application description: The application will be build as a website where user can create account and post their recipes, interact with others like a simple social media(see post, like, comment,...) and search for recipes which match some filters.
- A list of tables and their structures in the database This is the CDM of the system.



There are 4 tables in total.

1	USERS	Store information of users
2	RECIPES	Store recipes' information
3	FAVORITE	Store favorite recipe of user
4	REVIEW	Store review of the recipe

- A task assignment sheet for each member if working in groups.
 - + Nguyen:
 - Set up project
 - Test and fix errors
 - Write frontend and backend for recipes and reviews
 - Style the website
 - Write report
 - + Dat:
 - Create database
 - Write error handler
 - Write frontend and backend for accounts and favorite
 - Style the website
 - Write report

II. Details of implemented features

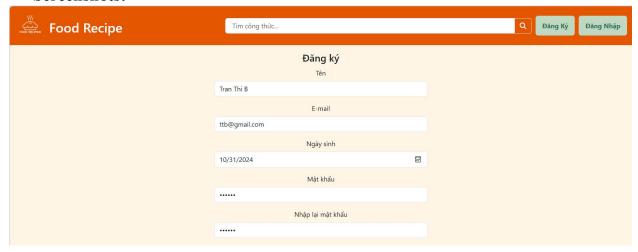
There is 20 features in the system divided into 2 main part: user (5) and recipe (10) and review (5)

Part 1: Account related



1. Create a new account

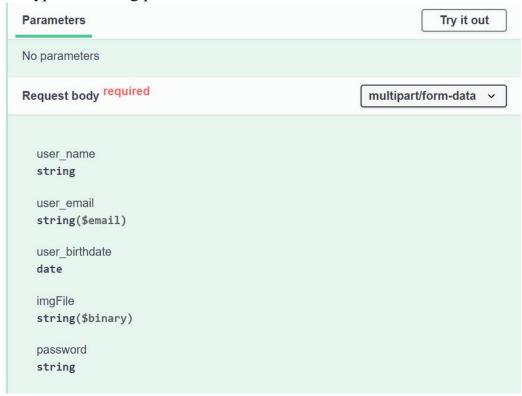
- **Description:** Create new account in database
- Screenshots:





- Implementation details:

Use berypt for hashing password



```
Request URL

http://localhost:3000/api/v1/users/register

Server response

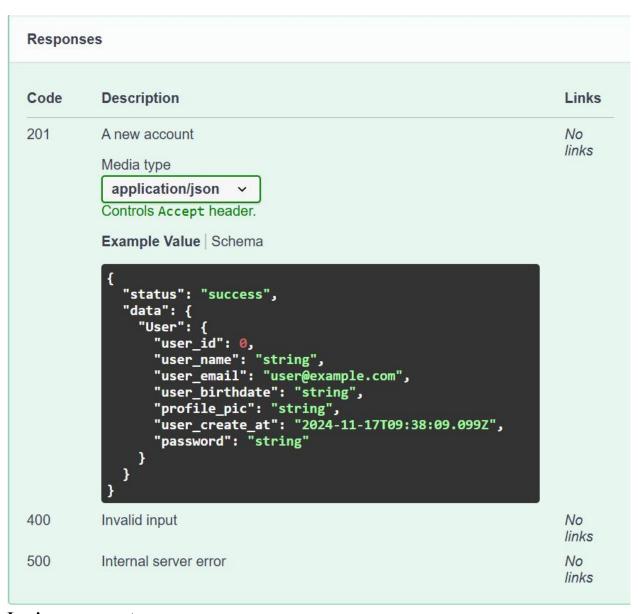
Code Details

201 Response body

{
    "status": "success",
    "data": {
        "user": {
            "id": 7,
            "user_name": "Nguyen Van A",
            "user_email": "nva@example.com",
            "password_hash": "$2b$05$MIMOIqWQYaHe7FNb.k4ZYuuKVjWCTe6n/Bb049u2mX

k7T08Q50.rG",
    "profile_pic": null,
        "user_birthdate": ""
    }
}

Download
```



2. Login an account

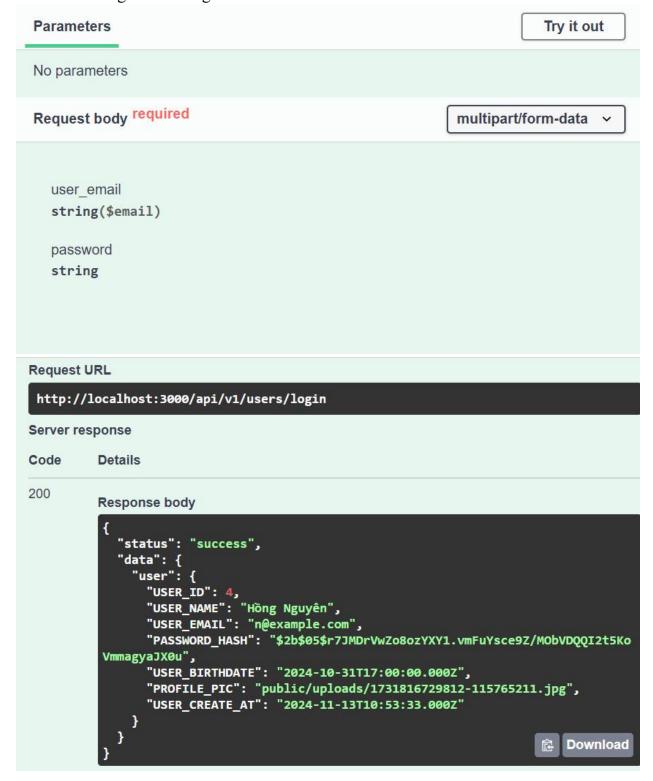
- **Description:** Logging in system

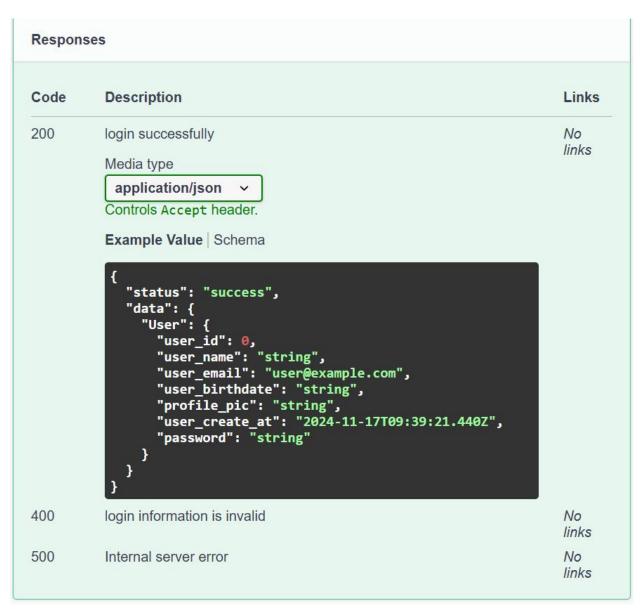
- Screenshots:



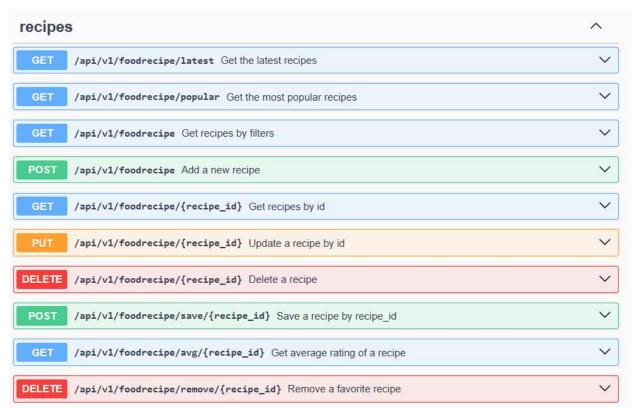
- Implementation details:

Use berypt for comparing password
Use localStorage for storing session in frontend



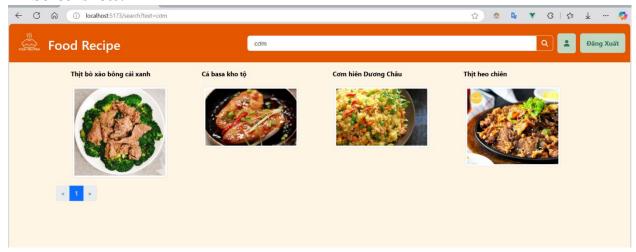


Part 2: Recipes related



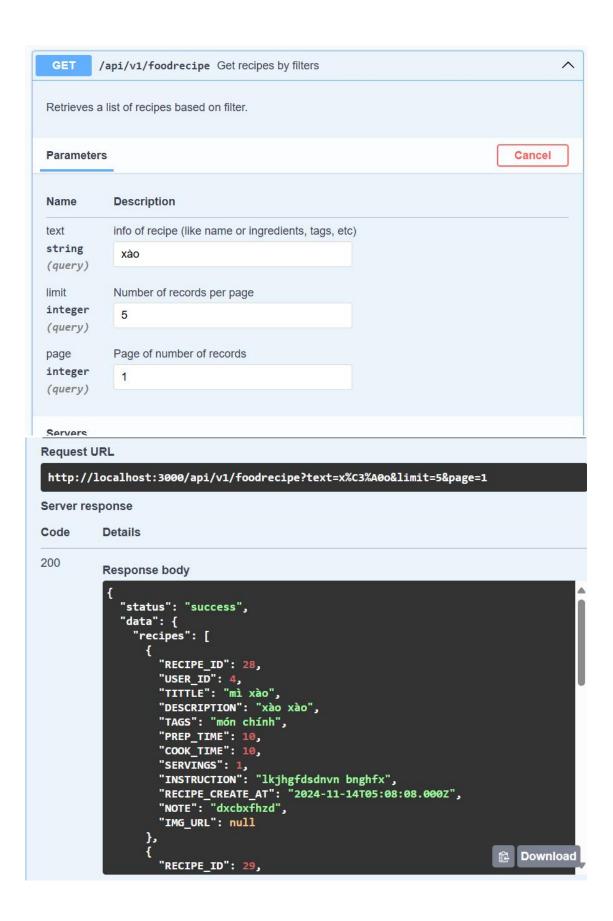
1. Get a list of recipes that it's attribute match with search text

- **Description:** This feature will get a list of recipes that match filters
- Screenshots:



- Implementation details:

Search with text in title, description(include ingredients) and tags with pagination.



```
Responses
Code
              Description
                                                                                                                     Links
200
              A list of recipes that match filter
                                                                                                                     No
                                                                                                                     links
              Media type
               application/json
              Controls Accept header.
              Example Value | Schema
                  "status": "success",
                  "data": {
                     "recipes": [
                           "recipe_id": 0,
                          "user_id": 0,
"tittle": "string",
"description": "string",
                           "prep_time": 0,
"cook_time": 0,
                          "servings": 0,

"instruction": "string",

"recipe_create_at": "2024-11-17T09:50:26.258Z",

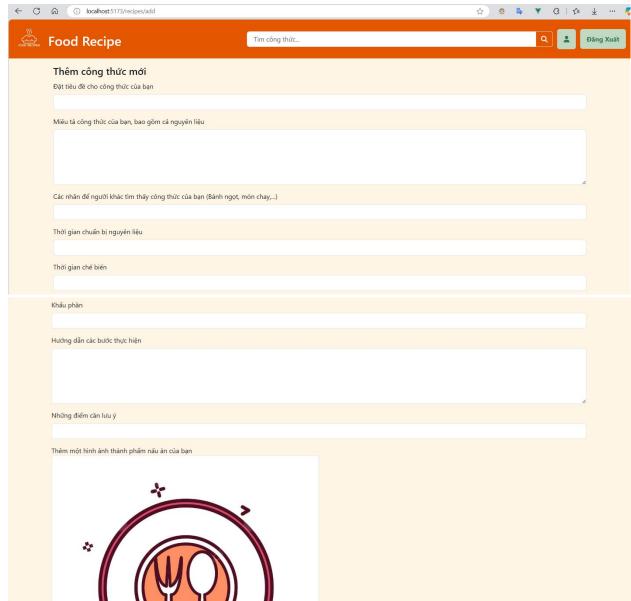
"note": "string",

"ing_url": "string",
                           "tags": [
"string"
400
              Invalid request parameters
                                                                                                                     No
                                                                                                                     links
500
              Internal server error
                                                                                                                     No
                                                                                                                     links
```

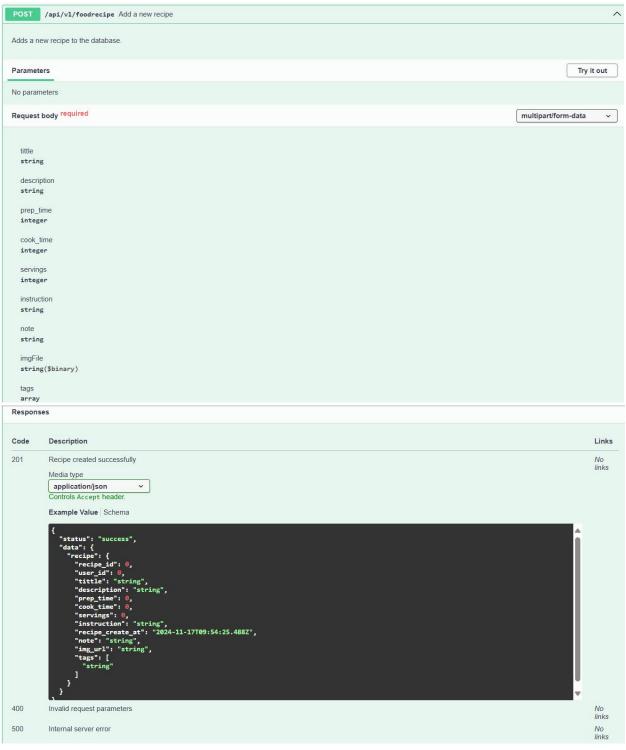
```
Example Value Schema
         "cook_time": 0,
         "servings": 0,
        "instruction": "string",
         "recipe_create_at": "2024-11-17T09:50:26.258Z",
         "note": "string",
         "img_url": "string",
         "tags": [
           "string"
      }
     "metadata": {
       "totalRecords": 0,
       "firstPage": 1,
      "lastPage": 1,
       "page": 1,
      "limit": 5
```

2. Add a new recipe

- **Description:** This feature will add a recipe to database
- Screenshots:

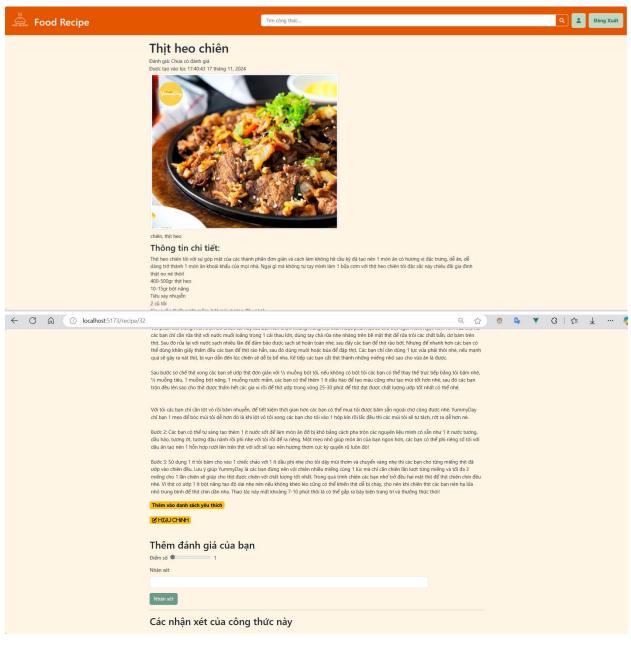


- Implementation details:



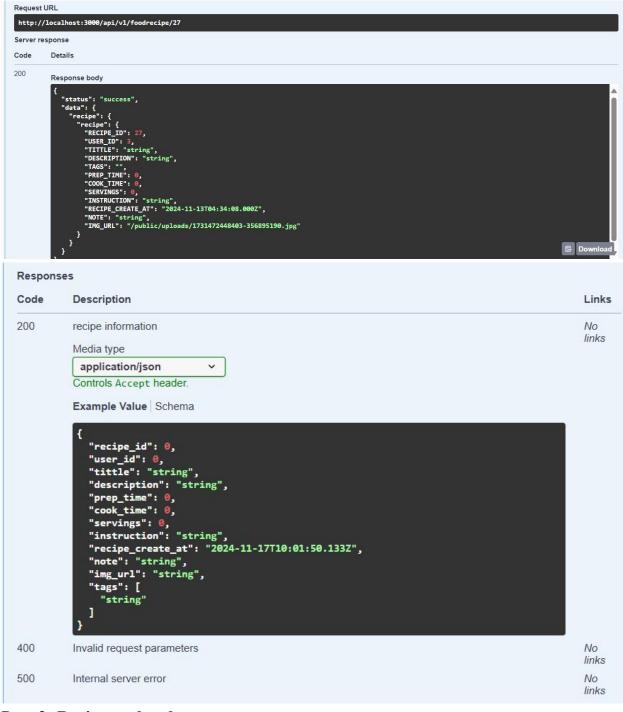
3. Get recipe

- Description: This feature will get a information of a recipe by its id
- Screenshots:



Implementation details:





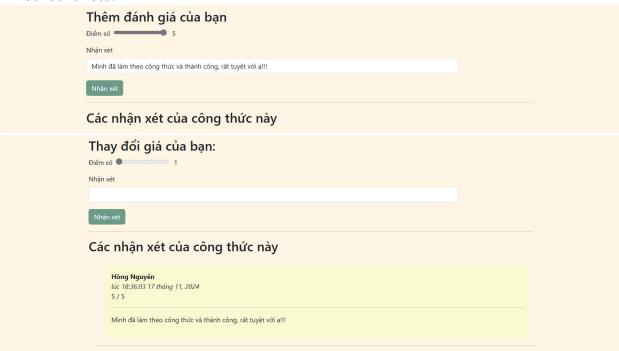
Part 3: Reviews related



1. Post review of a recipe

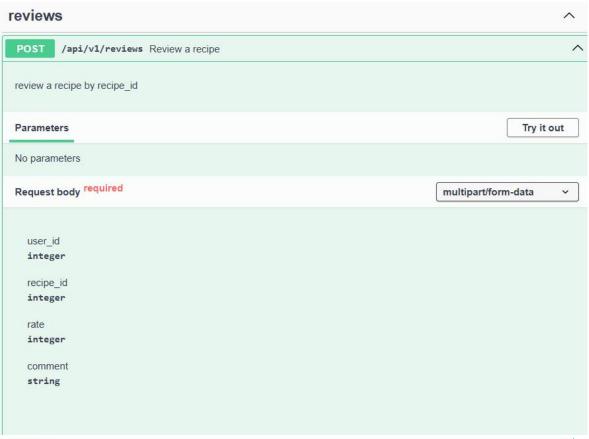
- **Description:** This feature will create a review for a recipe

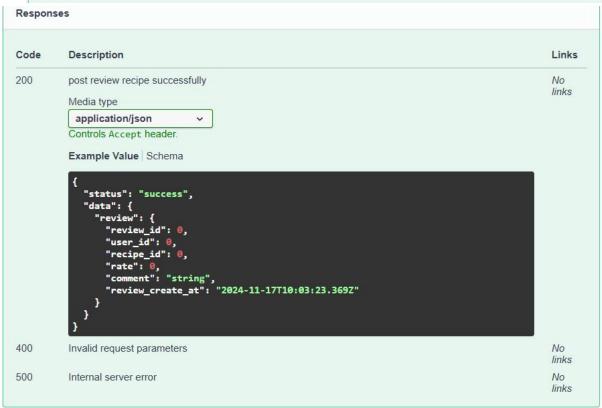
- Screenshots:



- Implementation details:

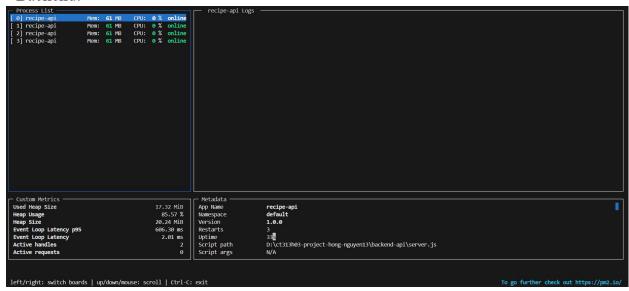
If the user has not reviewed this recipe, they can add a new review. Otherwise, they can change their review instead.





The application is deployed using pm2 for backend and apache for frontend.

- Backend:



-Frontend:

Deploy the frontend with the server name is localhost

