

RECIPE APPLICATION FRONTEND USER GUIDE

This recipe frontend application was created by using the different technologies listed below.

Framework:

- React
- React Router
- Node Package Manager (npm)
- React Redux
- Axios for calling REST APIs
- CSRF implementation for protecting XSS attacks
- CORS implementation for protecting peer to peer security situations.
- Docker

This frontend application enables creating, updating, deleting, and listing operations for users who are logged in to the recipe application.

Firstly, The System has to force users to log in to our recipe application.

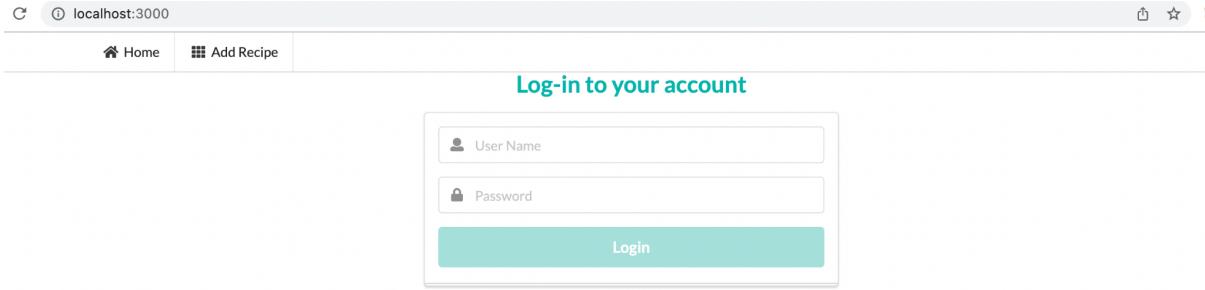
Let's look at pages that the system has.

LOGIN PAGE :

URL: <http://localhost:3000/>

The first page which we need to log in is as below.

We must enter a username and password to log in system.



After you enter a username and password, you will be redirected to the home page.

Also, we will be able to see our authorization tokens :

1. Jwt token, we are going to use this token authentication operation.

Category	Value
jwtToken	eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJkZW1vIiwidXhwIjoxNjQxNDE4Mz04LCJyb2xlcIyIW3siYXV0aG9yaXR5Ijo1VNFUIj9XX0.uPcLdtutd-

2. xhr-token, we are going to use for protecting XSS attacks to our web server.

The screenshot shows a browser window with a sidebar application interface and a developer tools Network tab. The sidebar displays a list of recipes, one of which is selected. The Network tab shows a single outgoing request to the endpoint `/api/recipes`. The request method is `POST`, and it includes a header `XSRF-TOKEN` with the value `cba3e619-cb89-4e3f-9692-c0a4073ea7kiw6417_tA`. The response body contains JSON data representing a list of recipes.

Name	Value	Domain	Path	Expires	Size	HTTP...	Secure
XSRF-TOKEN	cba3e619-cb89-4e3f-9692-c0a4073ea7kiw6417_tA	localhost	/	Ses...	46		

```

POST /api/recipes HTTP/1.1
Content-Type: application/json
XSRF-TOKEN: cba3e619-cb89-4e3f-9692-c0a4073ea7kiw6417_tA
Accept: application/json

[{"id": 1, "name": "Tomato Soup", "details": {"is_vegan": true, "number_of_suitable": 5}, "instructions": [{"onion": true, "tomato": true}], "creation_date": "2022-05-01T16:36:00Z", "ingredients": [{"id": 1, "name": "Onion", "quantity": 1}, {"id": 2, "name": "Tomato", "quantity": 1}], "background_fetch": [{"id": 1, "url": "http://localhost:3000/recipes/1"}, {"id": 2, "url": "http://localhost:3000/recipes/2"}]}
  
```

HOME PAGE :

Here is the home page where you can see a list of recipe details.

URL: <http://localhost:3000/home>

The screenshot shows a web application interface for managing recipes. At the top, there is a header with navigation icons (left arrow, right arrow, refresh) and a URL indicator (localhost:3000/home). Below the header, there are two cards, each representing a recipe.

TOMATO SOUP

- DETAILS**
- Is Vegan : Yes
- Number of suitable count : 5
- Creation Date : 05-01-2022 16:36
- Ingredients :**
 - onion
 - tomato
- Instructions :**
 - onion
 - chop-up tomato

CHICKEN

- DETAILS**
- Is Vegan : Yes
- Number of suitable count : 10
- Creation Date : 05-01-2022 16:37
- Ingredients :**
 - chicken
 - pepper
- Instructions :**
 - chicken
 - fries chicken

At the bottom of each card is a "Detail" button.

If you want to see the detail of the recipe, you can just click the detail button and show the recipe on the detail page.

DETAIL PAGE :

URL: <http://localhost:3000/recipe/3>

This page enables us to show the recipe in detail.
Here are some operations via using this page.

1. Update Recipe
 - you can change the recipe name
 - you can change the suitable count of the recipe
 - you can change is a vegan option.
 - you can change the available instructions where are listed below the text input
 - you can change the available ingredients where are listed below the text input
2. Delete Recipe

The screenshot shows a web application interface for managing recipes. At the top, there are navigation links for 'Home' and 'Add Recipe'. The main content area is a form for editing a recipe named 'TOMATO SOUP'. The form fields include:

- Recipe Name:** TOMATO SOUP
- Creation Date:** 05-01-2022 16:36
- Number Of Suitable Count:** 5
- Is Vegan:** checked
- Instructions:** Enter Instruction (text input field) and Add button.
- Ingredients:** Enter Ingredient (text input field) and Add button. A list of ingredients is shown:
 - chop-up tomato
 - onion
- Action Buttons:** Delete (red button) and Update (blue button).

If our update or delete operations could be successful, you will see the info message about the rest API's results.

ADD RECIPE:

URL: <http://localhost:3000/addrecipe>

If you want to add a new recipe to the system, you can create that one using this page.

localhost:3000/addrecipe

Home Add Recipe

Recipe Name

Creation Date

 dd.mm.yyyy

Number Of Suitable Count

Enter suitable count

Is Vegan

Instructions

Add

Ingredients

Add

Clear **Save**

You will be able to create a recipe after you fill in the all required fields.

If we create a recipe, you will see it on the detail page.

localhost:3000/addrecipe

Home Add Recipe

Recipe Name

Creation Date

05.01.2022

Number Of Suitable Count

4

Is Vegan

Instructions

Add

Ingredients

- bake meat
- meat

Add

Clear **Save**

You can click the save button and see the recipe's saving status in the info bar.

The screenshot shows a web application interface for adding a new recipe. At the top, there is a header with navigation icons and the URL "localhost:3000/addrecipe". Below the header, there are two buttons: "Home" and "Add Recipe". The main content area contains the following fields:

- Recipe Name:** An input field labeled "Recipe Name".
- Creation Date:** An input field labeled "dd.mm.yyyy" with a calendar icon to its right.
- Number Of Suitable Count:** An input field labeled "Enter suitable count".
- Is Vegan:** A checkbox labeled "Is Vegan" which is checked.
- Instructions:** An input field labeled "Enter Instruction" and a "Add" button.
- Ingredients:** An input field labeled "Enter Ingredient" and a "Add" button.

At the bottom of the form, there are two buttons: "Clear" (yellow) and "Save" (blue). Below the form, a green box displays the message "operation has been successful".

After you can explore it on the detail page.

TOMATO SOUP	CHICKEN	meat
<p>DETAILS</p> <p>Is Vegan : Yes</p> <p>Number of suitable count : 5</p> <p>Creation Date : 05-01-2022 16:36</p> <p>Ingredients :</p> <ul style="list-style-type: none">• onion• tomato <p>Instructions :</p> <ul style="list-style-type: none">• onionn• chop-up tomato <p>Detail</p>	<p>DETAILS</p> <p>Is Vegan : Yes</p> <p>Number of suitable count : 10</p> <p>Creation Date : 05-01-2022 16:37</p> <p>Ingredients :</p> <ul style="list-style-type: none">• chicken• pepper <p>Instructions :</p> <ul style="list-style-type: none">• chicken• fries chicken <p>Detail</p>	<p>DETAILS</p> <p>Is Vegan : Yes</p> <p>Number of suitable count : 4</p> <p>Creation Date : 05-01-2022 17:09</p> <p>Ingredients :</p> <ul style="list-style-type: none">• meat <p>Instructions :</p> <ul style="list-style-type: none">• bake meat <p>Detail</p>