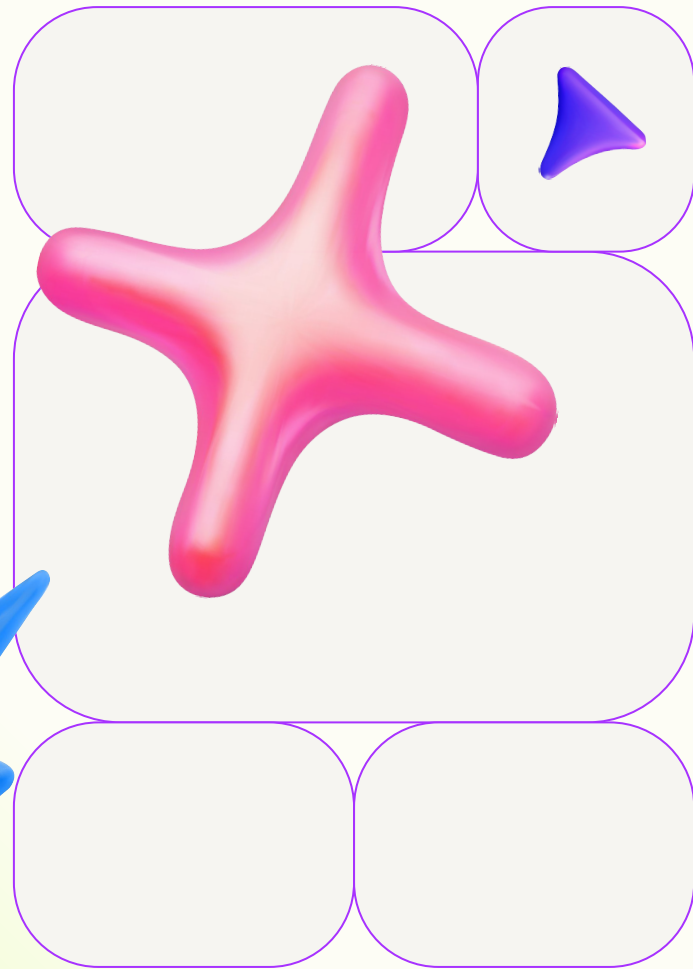
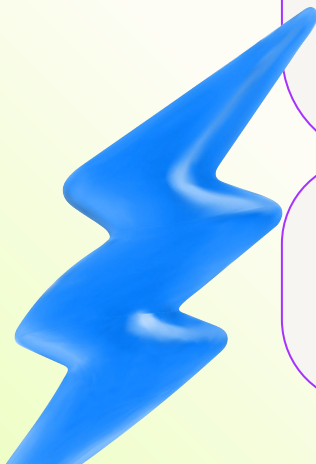


Recipe Keeper Presentation

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Agenda

1.

Overview

2.

Demo

3.

Code snippets

4.

Next Steps

Overview



Overview of the Midterm Project

For my midterm project, I worked on building a simple interface for my existing backend that takes **YouTube videos**, summarizes them, and turns them into recipes. This was my first step toward creating a full frontend for the project.



Demo


Recipe Keeper
Your personal recipe collection

[Home](#) [Saved](#) [+ Add Recipe](#)

Discover Delicious Recipes

Search through our collection of analyzed YouTube recipes using AI. Save your favorites and cook something amazing today.


All Recipes (6)

Quick Garlic Pasta 

Serves 2-3 Prep 15 min Cook 10 min

Ingredients: Spaghetti, Garlic, Olive oil, Red pepper flakes...


520 cal • 14g protein

Chicken Stir Fry 

Serves 2 Prep 20 min Cook 10 min

Ingredients: Chicken breast, Soy sauce, Bell peppers, Broccoli...


430 cal • 36g protein

Classic Margherita Pizza 


Serves 2-3 Prep 10 min Cook 15 min

Ingredients: Pizza dough, Tomato sauce, Fresh mozzarella, Fresh basil...


680 cal • 28g protein

Avocado Toast with Poached Egg 

Serves 1 Prep 5 min Cook 8 min

Thai Green Curry 

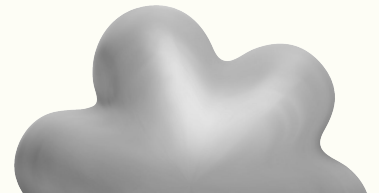
Serves 4 Prep 15 min Cook 25 min

Chocolate Chip Cookies 

Serves 24 cookies Prep 15 min Cook 12 min

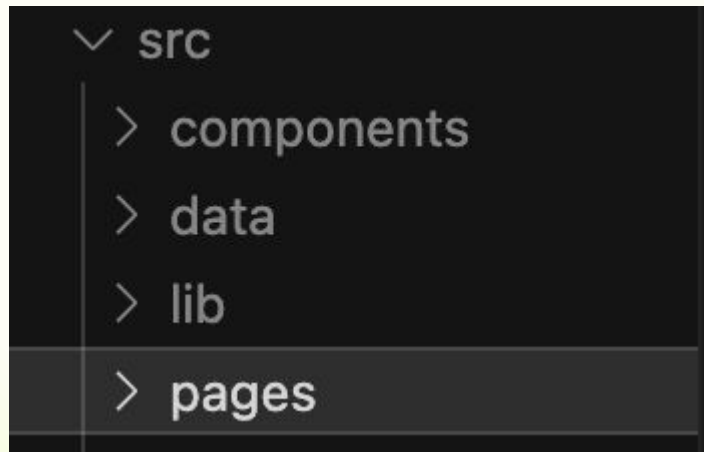
Landing page of Recipe Keeper

Code Snippets





File Structure of the project



Dummy Recipe Data

```
export const dummyRecipes = [
  {
    id: 1,
    title: "Quick Garlic Pasta",
    video_id: "abcd1234",
    servings: "2-3",
    prep_time: "15 min",
    cook_time: "10 min",
    calories: 520,
    protein: 14,
    carbs: 70,
    fat: 18,
    ingredients: [
      { id: 1, recipe_id: 1, name: "Spaghetti", quantity: "200g" },
      { id: 2, recipe_id: 1, name: "Garlic", quantity: "4 cloves" },
      { id: 3, recipe_id: 1, name: "Olive oil", quantity: "1/4 c" },
      { id: 4, recipe_id: 1, name: "Red pepper flakes", quantity: "1/2 tsp" },
      { id: 5, recipe_id: 1, name: "Parmesan cheese", quantity: "1/2 cup" },
    ],
    steps: [
      { id: 1, recipe_id: 1, step_number: 1, description: "Boil water and add salt." },
      { id: 2, recipe_id: 1, step_number: 2, description: "Gently cook spaghetti for 10 minutes." },
      { id: 3, recipe_id: 1, step_number: 3, description: "Toss with sauce and cheese." },
    ]
  }
]
```



Container Component



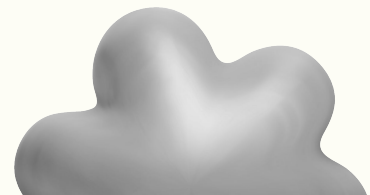
```
export default function Container({ children, className = "" }) {  
  return (  
    <div className={`mx-auto max-w-6xl px-4 sm:px-6 lg:px-8 ${className}`}>  
      {children}  
    </div>  
  );  
}
```



LocalStorage Usage

```
const STORAGE_KEY = "saved_recipes";  
  
// Get all saved recipes from localStorage  
export function getSavedRecipes() {  
  try {  
    const saved = localStorage.getItem(STORAGE_KEY);  
    return saved ? JSON.parse(saved) : [];  
  } catch (error) {  
    console.error("Error reading saved recipes:", error);  
    return [];  
  }  
}  
  
// Save a recipe to localStorage  
export function saveRecipe(recipe) {  
  try {  
    const saved = getSavedRecipes();  
    // Check if recipe already exists (by video_id)  
    const exists = saved.some((r) => r.video_id === recipe.video_id);  
    if (!exists) {  
      saved.push(recipe);  
      localStorage.setItem(STORAGE_KEY, JSON.stringify(saved));  
    }  
  } catch (error) {  
    console.error("Error saving recipe:", error);  
  }  
}
```

Next Steps



Progress

What works so far:

- Searching for recipes
- Saving recipes
- Looking into specific recipes in detail



Saving recipes

Recipes are currently saved in a LocalStorage. It is not an optimal idea, but it works for the scale of the project



Searching for recipes

Recipes are being searched through our database, iterating through objects stored in a JS file

Next steps

Now that the website can present data and have reusable components, I will now be working towards a way to call API requests from my own server and retrieve from there instead of a hardcoded data

Step 1

- Fetch APIs from the server rather than the JS file with data stored in
- This will allow a dynamic load of data, making the website more practical

Step 2

- Add Dark mode to the website

Step 3

- Allow POST request to work with the API calls to create recipes through the project. Currently, that page is not working

Step 4

- Provide a recommendation of food to try based on their saved recipes and created recipes



Thank you!

