Recipe Keeper Presentation

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Agenda

1. Overview
2. Demo
3. Code snippets
4. Next Steps

Overview

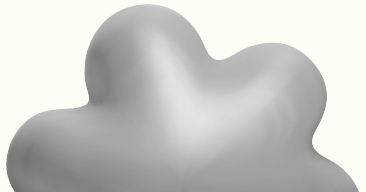
Overview of the Midterm Project

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.

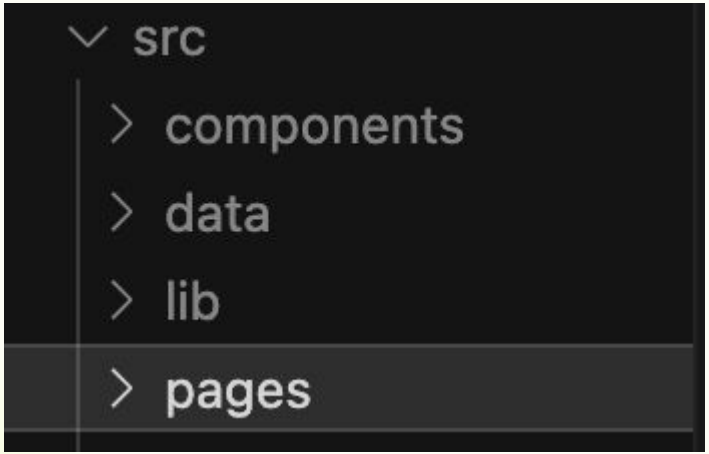
Demo

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
      { id: 5, recipe_id: 1, name: "Parmesan cheese", quantity:
    ],
    steps: [
      { id: 1, recipe_id: 1, step_number: 1, description: "Boil
      { id: 2, recipe_id: 1, step_number: 2, description: "Gentl
      { id: 3, recipe_id: 1, step_number: 3, description: "Toss
    ]
```

Container Component

```jsx
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>
  );
}
```

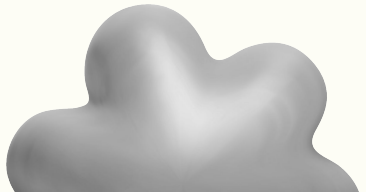
LocalStorage Usage

```jsx
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!