

# Recipe Finder - Project Documentation

This document explains the Recipe Finder project, which is built using React.js. The application allows users to search for recipes based on ingredients. Recipes are fetched from the MealDB API and displayed in a responsive grid layout (4 per row).

GitHub Repository: <https://github.com/divyaambavaram/Recipe>

## Project Structure

```
- App.jsx
- App.css
- components/
  >>> SearchBar/
    >> SearchBar.jsx
    >> SearchBar.css
  >>> RecipeList/
    >> RecipeList.jsx
    >> RecipeList.css
```

This structure keeps components modular and CSS scoped per component.

## App.jsx

```
import React, { useState } from "react";
import SearchBar from "../components/SearchBar/SearchBar";
import RecipeList from "../components/RecipeList/RecipeList";
import "../App.css";

function App() {
  const [recipes, setRecipes] = useState([]);

  const fetchRecipes = async (ingredient) => {
    try {
      const res = await fetch(
        `https://www.themealdb.com/api/json/v1/1/filter.php?i=${ingredient}`
      );
      const data = await res.json();
      setRecipes(data.meals || []);
    } catch (error) {
      console.error("Error fetching recipes:", error);
    }
  };

  return (
    <div className="app">
      <h1 className="title">■ Recipe Finder</h1>
      <SearchBar onSearch={fetchRecipes} />
      <RecipeList recipes={recipes} />
    </div>
  );
}

export default App;
```

## App.css

```
.app {
  text-align: center;
  padding: 20px;
}

.title {
  font-size: 2.5rem;
  margin-bottom: 20px;
  color: #333;
```

```
}
```

## SearchBar.jsx

```
import React, { useState } from "react";
import "./SearchBar.css";

function SearchBar({ onSearch }) {
  const [input, setInput] = useState("");

  const handleSearch = () => {
    if (input.trim() !== "") {
      onSearch(input);
    }
  };

  return (
    <div className="search-bar">
      <input
        type="text"
        placeholder="Enter an ingredient..."
        value={input}
        onChange={(e) => setInput(e.target.value)}
      />
      <button onClick={handleSearch}>Search</button>
    </div>
  );
}

export default SearchBar;
```

## SearchBar.css

```
.search-bar {
  display: flex;
  justify-content: center;
  margin-bottom: 20px;
}

.search-bar input {
  padding: 10px;
  width: 250px;
  border: 1px solid #ccc;
  border-radius: 5px 0 0 5px;
  outline: none;
}

.search-bar button {
  padding: 10px 15px;
  border: none;
  background-color: #ff6b6b;
  color: white;
  border-radius: 0 5px 5px 0;
  cursor: pointer;
}
```

## RecipeList.jsx

```
import React from "react";
import "./RecipeList.css";

function RecipeList({ recipes }) {
  if (recipes.length === 0) {
    return <p>No recipes found. Try searching for an ingredient.</p>;
  }

  return (
```

```

    <div className="recipe-list">
      {recipes.map((recipe) => (
        <div key={recipe.idMeal} className="recipe-card">
          <img src={recipe.strMealThumb} alt={recipe.strMeal} />
          <h3>{recipe.strMeal}</h3>
        </div>
      ))}
    </div>
  );
}

export default RecipeList;

```

## RecipeList.css

```

.recipe-list {
  display: grid;
  grid-template-columns: repeat(4, 1fr);
  gap: 20px;
  padding: 20px;
}

.recipe-card {
  border: 1px solid #ddd;
  padding: 15px;
  border-radius: 10px;
  text-align: center;
  background-color: #fafafa;
  transition: transform 0.2s;
}

.recipe-card:hover {
  transform: scale(1.05);
}

.recipe-card img {
  max-width: 100%;
  border-radius: 10px;
}

```

## Images

