Typescript Hands-On

Problem Statement:

You are tasked with creating a recipe search application using Typescript.

The application should fetch recipes from a mock JSON API and display them on the webpage. Users should be able to search for recipes by name, and the application should display relevant results.

Requirements:

- 1. Fetch recipes from the following mock JSON API: https://dummyjson.com/recipes
- Implement a search functionality where users can enter a search query and fetch recipes matching the same from the API : https://dummyison.com/recipes/search?q=search-guery-string
- 3. Utilize TypeScript's type annotations and interfaces to define the structure of the API response and ensure type safety throughout the application logic.
- 4. Each recipe must have following attributes:
 - Image (displayed as a thumbnail)
 - Name
 - Rating
 - Cuisine
 - Ingredients
 - Difficulty
 - Time taken = Preparation Time + Cooking Time
 - Calorie count
- 5. Expose the following methods
 - a. fetchRecipesFromAPI(): Fetches recipes from the mock JSON API and returns a promise containing the raw JSON data and stored in-memory.
 - b. searchRecipes(query: string): Fetches recipes matching the given search query from the API and returns a promise containing the raw JSON data. Log the same.
 - c. printAllRecipes(): Log all the recipes fetched from the API with their attributes.

BONUS Goal

If you wish to include UI

- 1. Design a user-friendly and visually appealing interface using HTML and CSS.
- 2. The home page must have a vertical scrollable container to display recipe cards. Title and search box must be fixed at the top.
- 3. Sample UI for your idea is attached below.

