

Project: Building a Recipe Generator

Objective:

Create a simple prompt that generates cooking recipes based on given ingredients. This project helps students understand how to structure prompts to produce creative and practical outputs.

Expected Outcome:

A collection of prompts that reliably generate cooking recipes based on specific ingredients, showcasing the students' ability to guide the AI to desired output types.

Prompt Collection

1. Basic Recipe Prompt

"Give me a simple and delicious recipe using [ingredient1], [ingredient2], and [ingredient3]. Include preparation steps and cooking time."

2. Healthy Recipe Prompt

"Suggest a healthy recipe using [ingredient1], [ingredient2], and [ingredient3]. Make it low in calories and high in nutrition."

3. Indian Cuisine Prompt

"Using [ingredient1], [ingredient2], and [ingredient3], create an Indian-style recipe. Mention spices and preparation steps clearly."

4. Quick Recipe Prompt

"I have [ingredient1], [ingredient2], and [ingredient3]. Generate a quick recipe I can cook in under 10 minutes."

5. Beginner-Friendly Prompt

"Using only [ingredient1], [ingredient2], and [ingredient3], give me a very easy recipe suitable for someone new to cooking. Use simple terms."

6. No-Cook Recipe Prompt

"Suggest a no-cook recipe using [ingredient1], [ingredient2], and [ingredient3]. Include step-by-step preparation instructions."

Sample Prompt + AI Output

Prompt Used:

"Give me a simple and delicious recipe using eggs, tomatoes, and onions. Include preparation steps and cooking time."

AI-Generated Output:

Recipe Name: Egg, Tomato, Onion Stir Fry

Ingredients:

- 2 eggs

- 1 chopped tomato
- 1 chopped onion
- Salt, pepper, and oil

Instructions:

1. Heat oil in a pan over medium heat.
2. Add onions and sauté until golden brown.
3. Add chopped tomatoes and cook until soft.
4. Beat eggs with salt and pepper; pour into the pan.
5. Stir gently and cook for 3–5 minutes until the eggs are fully cooked.

Cooking Time: 10 minutes