

Recipe Generator Project Prompts

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.

Prompts with Examples:

1. Basic Recipe Prompt:

"Generate a recipe that uses [ingredient1], [ingredient2], and [ingredient3]. Provide step-by-step instructions for preparing the dish."

Example:

"Generate a recipe that uses chicken, garlic, and spinach. Provide step-by-step instructions for preparing the dish."

2. Dietary Restriction Prompt:

"Create a gluten-free recipe using [ingredient1], [ingredient2], and [ingredient3]. Make sure the

recipe avoids any gluten-containing ingredients."

Example:

"Create a gluten-free recipe using quinoa, tomatoes, and basil. Make sure the recipe avoids any gluten-containing ingredients."

3. Flavor Profile Prompt:

"Generate a recipe using [ingredient1] and [ingredient2], with a focus on a sweet and savory flavor combination."

Example:

"Generate a recipe using honey and soy sauce, with a focus on a sweet and savory flavor combination."

4. Regional Cuisine Prompt:

"Provide a recipe using [ingredient1], [ingredient2], and [ingredient3], inspired by Italian cuisine."

Example:

"Provide a recipe using tomatoes, garlic, and olive oil, inspired by Italian cuisine."

5. Cooking Method Prompt:

"Generate a recipe that uses [ingredient1] and [ingredient2] with a focus on grilling as the cooking method."

Example:

"Generate a recipe that uses zucchini and chicken, with a focus on grilling as the cooking method."

6. Quick Meal Prompt:

"Create a recipe using [ingredient1] and [ingredient2] that can be prepared in under 30 minutes."

Example:

"Create a recipe using eggs and avocado that can be prepared in under 30 minutes."

7. One-Pot Meal Prompt:

"Generate a one-pot recipe using [ingredient1], [ingredient2], and [ingredient3]."

Example:

"Generate a one-pot recipe using rice, beans, and tomatoes."

These prompts aim to guide the AI in creating creative, varied, and useful cooking recipes based on different criteria such as ingredients, dietary restrictions, flavor profiles, and cooking methods.