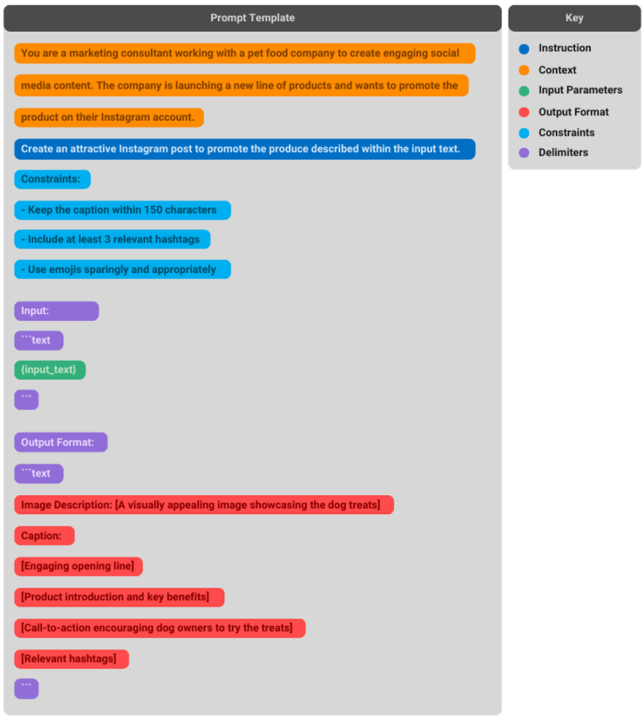

Each of these elements plays a crucial role in shaping the model's output and ensuring that it aligns with your intended purpose and audience. Through practical examples and hands-on practice, you will learn how to effectively use these elements to create clear, concise, and targeted prompts that elicit the desired responses from LLMs.

As we progress through the chapter, you will discover how to combine these structural elements to create comprehensive and effective prompts. You will learn about the Delimiter Pattern, which help you structure your prompts for optimal results. Additionally, you will be introduced to the concept of prompt templates, which leverage foundational elements of prompting to solve specific problems.

By the end of this chapter, you will have a solid foundation in prompt design using structural elements. You will be equipped with the knowledge and skills necessary to create powerful prompts that can be applied to a wide range of applications, from content generation and summarization to question-answering and beyond.

So, let's dive in and explore the fascinating world of prompt design using structural elements!

3.1 Instruction

Instructions are the core component of prompt design, as they define the task you want the language model to perform. They provide the model with the necessary guidance to generate the desired output. Well-crafted instructions are essential for obtaining accurate and relevant responses from the language model.

3.1.1 Practical Example 1: Generating a Shakespearean Sonnet

You want to write a Shakespearean sonnet expressing your admiration for someone special, but you're not familiar with the structure or style of this poetic form.

PROMPT

```
```
Write a Shakespearean sonnet expressing admiration for someone special.
```
```

GENERATED CONTENT

```
```

In eyes of yours, I see a love so true,
A beauty that doth render me quite weak.
Your grace and charm, forever I'll pursue,
With words of praise, I'll never cease to speak.

Your smile, it brightens up my darkest day,
Your laughter, music to my longing ears.
In you, I find solace, come what may,
With you, I'll face my deepest, darkest fears.

My heart, it beats for you and you alone,
Your presence, like a soothing balm to me.
I'll cherish you, my love, till I'm but bone,
And in the afterlife, I'll still love thee.
So let this sonnet be a testament,
To love that shall remain forever blessed.
```
```

This example demonstrates how a well-crafted instruction can guide the language model to generate a Shakespearean sonnet, even if the user is unfamiliar with the specific structure and style. By providing clear instructions, the model can create a poem that adheres to the key characteristics of a Shakespearean sonnet, such as the 14-line structure, iambic pentameter, and the specific rhyme scheme.

Now, let's explore how instructions can be used to guide the model in generating a specific type of content, such as a recipe. In this example, we'll see how providing clear instructions with ingredient information can help the model create a step-by-step recipe.

3.1.2 Practical Example 2: Creating a Recipe

You have a few ingredients in your fridge and want to create a simple, healthy meal without spending too much time searching for recipes.

PROMPT

```
```

Create a simple, healthy recipe using the following ingredients: chicken breast, spinach, and quinoa.
```
```

GENERATED CONTENT

```
```

Healthy Chicken and Quinoa Bowl

Ingredients:

- *1 chicken breast, grilled and sliced*
- *2 cups cooked quinoa*
-

```
   2 cups fresh spinach

   -

   1 tbsp olive oil

   -

   Salt and pepper to taste

Instructions:

1. Cook quinoa according to package instructions and set aside.
2. Season chicken breast with salt and pepper, then grill until cooked through. Slice
into strips.
3. In a large bowl, combine cooked quinoa, fresh spinach, and sliced chicken.
4. Drizzle olive oil over the mixture and toss to combine.
5. Season with salt and pepper to taste.
6. Serve warm and enjoy your healthy chicken and quinoa bowl!
```

This example shows how providing a clear instruction with specific ingredients can help the language model generate a simple, healthy recipe. By listing the available ingredients in the prompt, the user can quickly obtain a step-by-step recipe that incorporates those ingredients into a nutritious meal, saving time and effort in searching for suitable recipes.

Instructions play a crucial role in prompt design by clearly defining the task for the language model. Well-crafted instructions should specify the desired output. By practicing the creation of effective instructions, you can guide the language model towards generating accurate and relevant responses, making prompt engineering a valuable tool in various applications.