Data Dictionary for Recipe Template

# Introduction

A data dictionary is a document that describes the structure, format, and meaning of the data elements in a template. It helps to ensure consistency, accuracy, and clarity of the data. A data dictionary for a recipe template should include the following information:

* The name and description of each data element in the template
* The data type and format of each data element
* The valid values or range of values for each data element
* The source or origin of each data element
* The relationship or dependency of each data element with other data elements
* The rules or constraints for entering or modifying each data element
* The purpose or usage of each data element in the template

# Data Elements

The following table lists the data elements in the recipe template and their corresponding data dictionary entries.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Data Element | Description | Data Type | Format | Valid Values | Source | Relationship | Rules | Purpose |
| recipe\_title | The name of the recipe. | Text | Plain text | Any text | User input | None | Required, unique, not empty. | Identify the recipe and display it as the title of the document. |
| ingredients | The list of ingredients needed for the recipe. | List | Bullet list | Any text | User input | None | Required, not empty. | Specify the ingredients and their quantities for the recipe. |
| directions | The step-by-step instructions for preparing the recipe. | List | Numbered list | Any text | User input | None | Required, not empty, sequential. | Guide the user through the cooking process. |
| nutrition\_information | The nutrition information for the recipe per serving. | Text | Plain text | Any text | External source or calculation | Depends on the ingredients and the serving size. | Optional, numeric, consistent. | Provide the user with the nutritional value of the recipe. |
| preparation\_time | The approximate time needed to prepare the recipe. | Time | HH:MM | Any time | User input or estimation | None | Optional, numeric, positive. | Inform the user about the time required for the recipe. |
| notes | Any additional information or tips about the recipe. | Text | Plain text | Any text | User input | None | Optional, not empty. | Enhance the user's experience and knowledge of the recipe. |