## This is a title

This is a subtitle

#### Author 1

#### Author 2

December 5, 2024

# Comprehensive Markdown Showcase

### Introduction

This document demonstrates various Markdown elements and syntax. It's designed to showcase the capabilities of Markdown and how different templates might render these elements.

## **Text Formatting**

Here are examples of basic text formatting:

- Italic text
- Bold text
- Bold and italic text
- Strikethrough text
- Inline code

#### Headers

## H1 Header

#### H2 Header

H3 Header

H4 Header

H5 Header

H6 Header

#### Lists

#### **Unordered List**

- Item 1
- Item 2

- o Subitem 2.1
- o Subitem 2.2
- Item 3

#### Ordered List

- 1. First item
- 2. Second item
  - 1. Subitem 2.1
  - 2. Subitem 2.2
- 3. Third item

## Links and Images

### Link to OpenAI



Markdown Logo

## Blockquotes

This is a single line blockquote.

This is a multi-line blockquote.

It can span multiple paragraphs.

- It can contain other Markdown elements
- Like lists

### **Code Blocks**

Inline code: print("Hello, World!")

### Python code block:

```
def greet(name):
    return f"Hello, {name}!"
print(greet("Markdown"))
```

### **Tables**

Header 1 Left	Header 2 Center	Header 3 Right

### Horizontal Rule

### **Task Lists**

- $\square$  Write the press release
- $\Box$  Update the website
- ☐ Contact the media

#### **Footnotes**

Here's a sentence with a footnote.1

## **Mathematical Equations**

Inline math:  $E = mc^2$ 

Display math:

$$\frac{d}{dx}e^x = e^x$$

## Subscript and Superscript

 $H_2O$ 

 $\mathbf{X}^2$ 

This comprehensive showcase demonstrates a wide range of Markdown elements and syntax. Different Markdown processors and templates may render these elements differently, allowing you to compare and evaluate their appearances.

<sup>1</sup> This is the footnote content.