Mickaël Canouil's Brand

Quarto Extension

Mickaël Canouil

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Introduction

This document demonstrates various Quarto markdown elements to showcase the theming capabilities of Mickaël Canouil's brand extension.

Typography and Text Formatting

Basic Text Styling

Here's some **bold text**, *italic text*, and ***bold italic text***. You can also use `inline code` within paragraphs.

Lists

Unordered Lists

- First item
- Second item with **bold text**
- Third item with *italic text*
  - Nested item
  - Another nested item
    - Deeply nested item

Ordered Lists

1. First numbered item
2. Second numbered item
3. Third numbered item with `code`

   a. Sub-item a
   b. Sub-item b
   c. Sub-item c

Task Lists

- ☒ Completed task
- ☐ Incomplete task
- ☒ Another completed task

Code Blocks

```
def fibonacci(n):
    """Generate Fibonacci sequence up to n terms."""
    if n <= 0:
```

```python
        return []
    elif n == 1:
        return [0]
    elif n == 2:
        return [0, 1]

    sequence = [0, 1]
    for i in range(2, n):
        sequence.append(sequence[i-1] + sequence[i-2])

    return sequence

# Example usage
fib_numbers = fibonacci(10)
print(f"First 10 Fibonacci numbers: {fib_numbers}")
```

Line 14

This comment highlights the return statement in the code above.

Quotes and Callouts

Blockquotes

> "The best way to predict the future is to invent it."
>
> — Alan Kay

> This is a longer blockquote that spans multiple lines to demonstrate how the brand theming affects quote styling. It includes various formatting elements like bold text and italic text.

Callouts

> ℹ **Note**
>
> This is a note callout. Use it to highlight important information that readers should pay attention to.

> ⚠ **Warning**
>
> This is a warning callout. Use it to alert readers about potential issues or important considerations.

> 💡 **Tip**
>
> This is a tip callout. Use it to provide helpful suggestions or best practices.

> ❗ **Important**
>
> This is an important callout. Use it for critical information that must not be overlooked.

> 🔥 **Caution**
>
> This is a caution callout. Use it to warn about potential risks or problems.

Tables

Simple Table

Feature	HTML	Typst	Reveal.js
Typography	✓	✓	✓
Colors	✓	✓	✓
Layout	✓	✓	✓
Interactive	✓	✗	✓

Complex Table

Language	Paradigm	Year	Key Features
Python	Multi-paradigm	1991	Simple syntax, extensive libraries
R	Functional, procedural	1993	Statistical computing, data analysis
JavaScript	Multi-paradigm	1995	Web development, event-driven
Rust	Systems	2010	Memory safety, performance

Mathematical Expressions

Inline Mathematics

The quadratic formula is $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ and Euler's identity states that $e^{i\pi} + 1 = 0$.

Display Mathematics

The probability density function of a normal distribution is:

$$f(x \mid \mu, \sigma^2) = \frac{1}{\sqrt{2\pi\sigma^2}} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$$

A system of linear equations can be represented as:

$$ax + by = c$$
$$dx + ey = f$$

Links and References

External Links

- Quarto Documentation
- Mickaël Canouil's GitHub
- Brand Extension Repository

Internal Links

See the Typography section for text formatting examples, or check out the Code Blocks section for syntax highlighting.

Figures and Images

Figure 1: This is a placeholder for an image that would showcase how the brand theming affects figure styling. In a real document, you would include actual images here.

Conclusion

This document demonstrates various Quarto markdown elements that benefit from the brand theming provided by this extension. The theming affects:

· Typography: Font choices, sizes, and spacing
· Colours: Text, backgrounds, and accent colours
· Layout: Margins, padding, and structural elements
· Code: Syntax highlighting and code block styling
· Tables: Borders, backgrounds, and formatting
· Callouts: Background colors and styling
· Mathematical expressions: Font and styling
· Links: Colours and hover effects

The brand extension ensures consistent visual identity across all supported output formats (HTML, Typst, and Reveal.js).