Markdown to PDF Converter

This is a demonstration of the markdown to PDF converter with support for various technical documentation features.

• Math formulas using KaTeX

Features

- Mermaid diagrams for flowcharts and diagrams
- Syntax highlighting for code blocks
- GitHub Flavored Markdown features like tables and strikethrough
- **Math Formulas**

Here's an inline math formula: $E=mc^2$

And here's a display formula:

Complex formula with matrices:

$$egin{pmatrix} a & b \ c & d \end{pmatrix} egin{pmatrix} x \ y \end{pmatrix} = egin{pmatrix} ax + by \ cx + dy \end{pmatrix}$$

 $\int_{-\infty}^{\infty}e^{-x^2}dx=\sqrt{\pi}$

Formula in code-blocks:

$$price = \max(unitPrice, 1e18) collateralAmount = rac{nusdAmount imes 10^{decimals}}{price}$$

JavaScript

function fibonacci(n) {

def quick_sort(arr):

if $len(arr) \ll 1$: return arr

pivot = arr[len(arr) // 2]

left = [x for x in arr if x < pivot]</pre>

LEFT JOIN orders ON users.id = orders.user_id

Paradigm

Multi-paradigm

WHERE users.created_at >= '2023-01-01'

GROUP BY users.id, users.name HAVING COUNT(orders.id) > 5 ORDER BY total_spent DESC;

Code Blocks with Syntax Highlighting

```
if (n <= 1) return n;</pre>
   return fibonacci(n - 1) + fibonacci(n - 2);
 }
 console.log(fibonacci(10)); // Output: 55
Python
```

```
middle = [x for x in arr if x == pivot]
     right = [x for x in arr if x > pivot]
     return quick_sort(left) + middle + quick_sort(right)
 # Example usage
 numbers = [64, 34, 25, 12, 22, 11, 90]
 print(quick_sort(numbers))
SQL
 SELECT
     users.name,
     COUNT(orders.id) as order_count,
     SUM(orders.total) as total_spent
```

Tables

Language

JavaScript

FROM users

| | · | | | · · · · |
|------------------|--------|----------------|------|-----------------------|
| | Python | Multi-paradigm | 1991 | Data science, AI, Web |
| | Rust | Systems | 2010 | Systems programming |
| | Go | Procedural | 2009 | Cloud services, APIs |
| Mermaid Diagrams | | | | |
| | | | | |

Start

Is it working?

No

Debug

Fix issue

First Appeared

1995

Yes

Great!

End

main

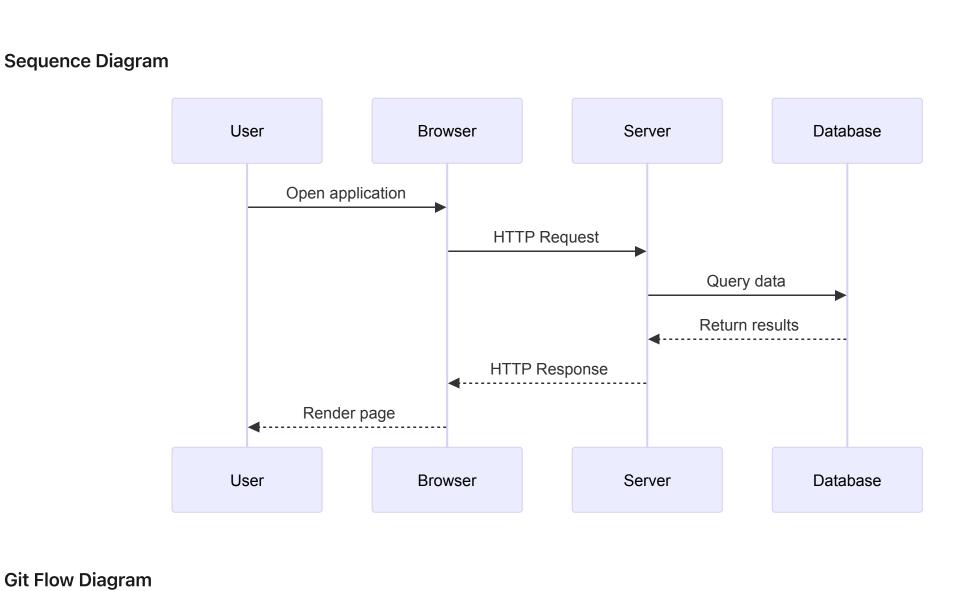
develop

hotfix

Popular Use Cases

Web development, Node.js

Flowchart



Add tests Create documentation Publish to npm

Task Lists

Strikethrough This text is strikethrough.

Set up project structure

Add PDF generation

Implement markdown processing

Blockquotes

GitHub Flavored Markdown Features

Links and Images

Peter Drucker

Advanced Features

Check out the **GitHub repository** for more information.

"The best way to predict the future is to create it."

Third level item Another third level item

Nested Lists

1. First level

1. Numbered second level 2. Another numbered item

2. Another first level item

Code with Line Numbers

Second level item 1

Second level item 2

#!/bin/bash

Build the project

```
set -e
# Install dependencies
npm install
npm run build
# Run tests
npm test
# Deploy to production
npm run deploy
```

This document demonstrates the various features supported by the Markdown to PDF converter. The output should maintain proper formatting, syntax highlighting, mathematical notation, and diagram rendering.