Mermaid Diagram Test

This document tests Mermaid diagram support in our markdown processor.

Flowchart Example

Mermaid Diagram

Sequence Diagram

Mermaid Diagram

Class Diagram

Mermaid Diagram

Architecture Overview

This demonstrates how our hexagonal architecture handles Mermaid diagrams:

Mermaid Diagram

Summary

The Mermaid integration allows us to:

1. **Process diagrams** automatically during conversion
2. **Support multiple formats** (PNG for PDF, SVG for HTML)
3. **Maintain clean architecture** with proper separation of concerns
4. **Provide fallback handling** when diagram generation fails

This enhances our document processor significantly for technical documentation!