# Mermaid Diagram Test

This document tests Mermaid diagram support in our markdown processor.

## Flowchart Example

![Mermaid Diagram](file:///home/dawsonlp/repos/BaseMcpServer/servers/document-processor/output/mermaid\_diagram\_17c96929.png)

## Sequence Diagram

![Mermaid Diagram](file:///home/dawsonlp/repos/BaseMcpServer/servers/document-processor/output/mermaid\_diagram\_f6d50f7d.png)

## Class Diagram

![Mermaid Diagram](file:///home/dawsonlp/repos/BaseMcpServer/servers/document-processor/output/mermaid\_diagram\_d349b435.png)

## Architecture Overview

This demonstrates how our hexagonal architecture handles Mermaid diagrams:

![Mermaid Diagram](file:///home/dawsonlp/repos/BaseMcpServer/servers/document-processor/output/mermaid\_diagram\_8928702e.png)

## 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!