

# Mermaid Charts Examples

This document demonstrates various types of Mermaid charts that can be rendered in markdown.

## 1. Flowchart

A simple flowchart showing a decision process:

![Mermaid Chart 1](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-0-1763093894957.png)

## 2. Sequence Diagram

A sequence diagram showing interaction between components:

![Mermaid Chart 2](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-1-1763093897121.png)

## 3. Gantt Chart

A project timeline using a Gantt chart:

![Mermaid Chart 3](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-2-1763093899225.png)

## 4. Class Diagram

A class diagram showing object-oriented relationships:

![Mermaid Chart 4](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-3-1763093901327.png)

## 5. State Diagram

A state diagram showing a simple state machine:

![Mermaid Chart 5](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-4-1763093903438.png)

## 6. Pie Chart

A pie chart showing data distribution:

![Mermaid Chart 6](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-5-1763093904549.png)

## 7. Git Graph

A Git graph showing branch structure:

![Mermaid Chart 7](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-6-1763093905626.png)

## 8. Entity Relationship Diagram

An ER diagram showing database relationships:

![Mermaid Chart 8](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-7-1763093907710.png)

## 9. User Journey

A user journey diagram:

![Mermaid Chart 9](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-8-1763093909797.png)

## 10. Complex Flowchart

A more complex flowchart with multiple paths:

![Mermaid Chart 10](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-9-1763093910880.png)

## 11. Quadrant Chart

A quadrant chart for prioritization:

![Mermaid Chart 11](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-10-1763093911956.png)

## 12. Requirement Diagram

A requirement diagram showing system requirements:

![Mermaid Chart 12](http://localhost:56261/\_\_mdpdf\_temp\_\_/mermaid-11-1763093914065.png)

## Conclusion

These examples demonstrate the variety of diagrams that can be created using Mermaid syntax in markdown files. Each chart type serves different purposes and can help visualize complex information in a clear and structured way.