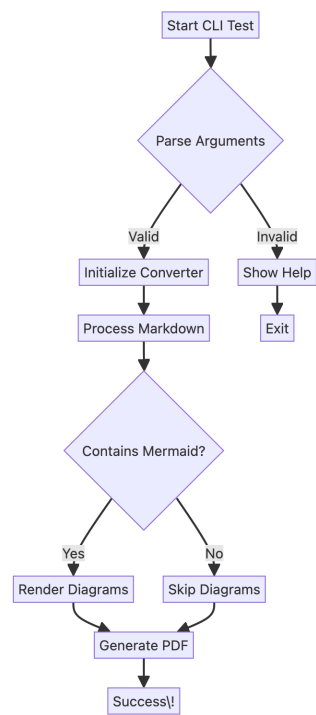# Complex Test Document

This document tests various features of the CLI tool.

Multiple Diagrams
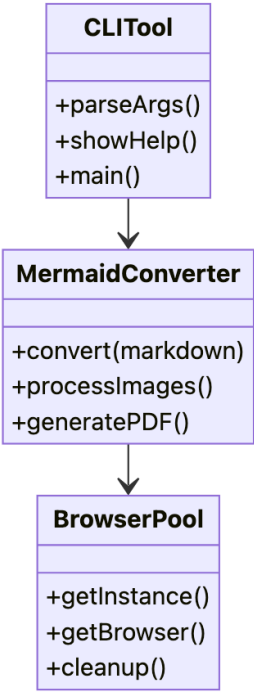
Flowchart

Sequence Diagram

Class Diagram

```
        CLITool

  +parseArgs()
  +showHelp()
  +main()
```

⬇

```
   MermaidConverter

  +convert(markdown)
  +processImages()
  +generatePDF()
```

⬇

```
     BrowserPool

  +getInstance()
  +getBrowser()
  +cleanup()
```
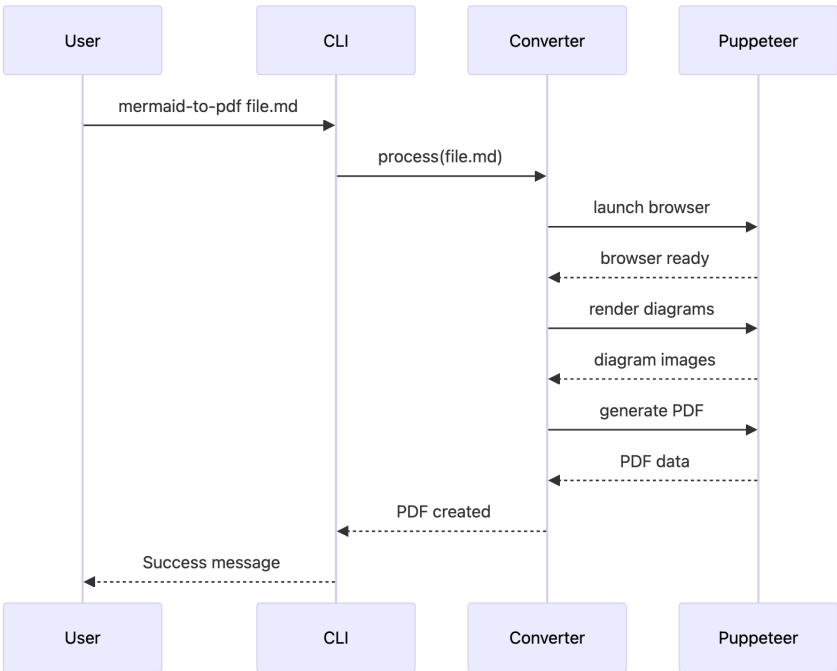
Code Examples

TypeScript

```typescript
interface ConversionOptions {
    quality: 'draft' | 'standard' | 'high';
    theme: 'light' | 'dark';
    pageSize: 'A4' | 'Letter' | 'Legal';
}

class MermaidToPdfCli {
    async convert(file: string, options: ConversionOptions): Promise<string> {
        console.log(`Converting ${file}...`);
        return 'success';
    }
}
```

JavaScript

```javascript
function testCLI() {
    const args = process.argv.slice(2);
    if (args.length === 0) {
        console.log('Please provide a markdown file');
        return;
    }

    console.log(`Processing: ${args[0]}`);
}
```

Features Tested

Feature	Status	Notes
Basic Markdown	✅	Headers, text, lists
Code Blocks	✅	Syntax highlighting

Feature	Status	Notes
Mermaid Diagrams	✅	Multiple diagram types
Custom Output	✅	-o flag working
Theme Support	✅	-t flag working
Quality Settings	✅	-q flag working

Summary

This CLI tool successfully:

- Parses markdown files
- Renders Mermaid diagrams
- Generates high-quality PDFs
- Supports customization options
- Provides progress feedback

CLI is production ready! 🎉 EOF < /dev/null