

PDF Generation System - Clean Architecture

Reorganization Complete

Directory Structure

```
config/
├── docs-pdf.json          # Main configuration
├── docs-pdf-theme.css     # Styling
└── README-PDF-CONFIG.md  # Documentation

scripts/
├── generate-docs-pdf-simple.php # Main generator script
├── configure-pdf-theme.php     # Interactive configurator
├── README.md                  # Scripts documentation
└── templates/                 # HTML templates
    ├── docs-html.blade.php    # Web HTML template
    ├── docs-pdf.blade.php     # PDF HTML template
    ├── docs-header.blade.php  # Header component
    ├── docs-footer.blade.php  # Footer component
    ├── docs-nav.blade.php     # Navigation component
    └── docs-watermark.blade.php # Watermark component
```

Removed Files

- X `app/Services/PdfThemeManager.php` (old system)
- X `scripts/generate-docs-pdf.php` (complex old script)
- X `config/pdf-theme.json` (old config)
- X `config/pdf-theme-simple.json` (old config)
- X `templates/` directory (moved to scripts/)

Key Features

- **Simple Architecture:** Clean separation of concerns
- **Template System:** 6 modular HTML templates
- ⚙️ **JSON Configuration:** All settings in one place
- **CSS Styling:** Separate theme file
- **Interactive Config:** CLI theme configurator
- **Responsive:** HTML works on web and mobile
- 🖨️ **Print Optimized:** PDF generation with proper styling

Usage

```
# Generate documentation
composer run docs-pdf
```

Interactive theme configuration

```
composer run docs-theme
```

Direct script usage

```
php scripts/generate-docs-pdf-simple.php --verbose
php scripts/configure-pdf-theme.php
```

Customization

- **Templates:** Edit `scripts/templates/*.blade.php`
- **Styling:** Edit `config/docs-pdf-theme.css`
- **Configuration:** Edit `config/docs-pdf.json`
- **Interactive:** Run `php scripts/configure-pdf-theme.php`

Benefits

- **Clean Organization:** All functionality in `scripts/`
- **Modular Templates:** Easy to customize layout
- **Configurable:** JSON + CSS configuration
- **Maintainable:** Simple, readable code
- **Flexible:** Headers, footers, styling all customizable
- **Professional:** Small margins, proper styling

The system is now properly organized with clean separation between configuration, templates, functionality while maintaining all the advanced features you requested.