

# Sphinx-SimplePDF

Version 1.0



# Sphinx-SimplePDF

This Sphinx extension provides an eas way to build beautiful PDFs based on CSS rules.

It contains:

- A PDF specific, CSS based Sphinx theme: `sphinx_simplepdf`.
- A Sphinx builder, called `simplepdf`

It is using **weasyprint** as PDF generator.



# Installation

## From source

```
git clone git@github.com:useblocks/sphinx-simplepdf.git
cd sphinx-simplepdf
pip install .
```

# Building PDF

Inside your `docs` folder, run:

```
make simplepdf
```

or for more control:

```
sphinx-build -M simplepdf . _build
```

# CSS voodoo

The PDF layout is configured via CSS files and their definitions.

You can use some Sphinx mechanism to set specific CSS class inside the rst, so that you can control the output a little bit.

## Page breaks

Some Sphinx directives allow to use the option `:class:`.

If this is set to `break`, then a page break will be introduced in front of the element.

Example:

```
.. csv-table:: CSV Table
   :file: example.csv
   :class: break
```

## Sphinx-Needs objects

This works also for most Sphinx-Needs elements.

Example:

```
.. spec:: Specification Example
   :id: SPEC_001
   :style: break
```

or for `needtable`:

```
.. needtable::
   :filter: 'sphinx' in tags
   :class: break
```

# Configuration

Nothing available yet.

But we plan to support:

- Custom css files
- Custom title and last page images
- Easy configuration for font type, font sizes and colors



# Technical details

The sphinx-simplepdf registers the following stuff:

- A sphinx builder, called `pdf`.
- A sphinx theme, called `sphinx-need-pdf`.

# Examples

## Sphinx-Needs objects

Requirement: **Sphinx-Needs Theme extension support** [REQ\\_001](#)


status: done

tags: sphinx, extension

links incoming: [SPEC\\_001](#)

The [Sphinx-Needs Theme](#) for PDF shall support all possible Sphinx extensions an their outcome.



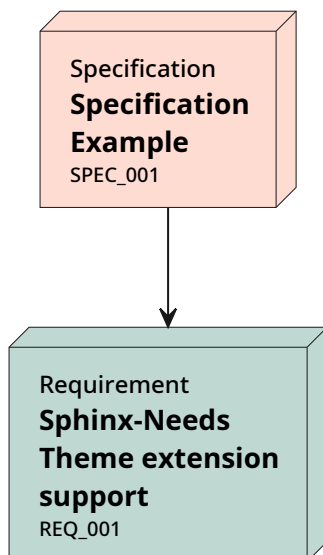
SPEC_001	Specification Example	Specification
status: open tags: sphinx, example	links outgoing: <a href="#">REQ_001</a>	
A specification example with an image.		
		
layout: complete		style: green_border, break

Sphinx-Needs tables

ID	Title			Status	Tags
REQ_001	Sphinx-Needs	Theme	extension	done	sphinx; extension
SPEC_001	Specification Example			open	sphinx; example

## Sphinx-Needs needflow

Using `plantuml` to render image.



# One last thing ...

This theme is heavily based on the excellent work of [Nekmo](#) for the [Sphinx Business Theme](#).

Without this work, this theme would never exist. Thanks for it ♥

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