

md-to-singlepage-pdf

Agent Skill for converting Markdown (.md) into a single long-page PDF. This skill bundles instructions, scripts, and assets to run md-to-pdf and trim bottom whitespace with PyMuPDF.

ドキュメント 日本語 english document

node.js 18+ npm required python 3.9+ PyMuPDF required md-to-pdf required

Features

- Skill package: instructions + scripts + assets in one folder
- Produces a single long-page PDF without page breaks
- Unifies page size, margins, and style via CSS
- Automatically trims redundant bottom whitespace after conversion
- Supports batch conversion for multiple files

Agent Skills

- Website: <https://agentskills.io/home>
- This repository follows the Agent Skills format (SKILL.md + scripts/assets/resources).

Requirements

- Node.js / npm (for md-to-pdf)
- Python 3 (for PyMuPDF)
- uv is optional but speeds up venv creation and installs

Installation

1) Install md-to-pdf (if missing)

```
npm install -g md-to-pdf
```

If md-to-pdf is missing, scripts/convert_md_to_pdf.sh will prompt you.

2) PyMuPDF

convert_md_to_pdf.sh automatically creates .venv and installs PyMuPDF.

3) Install the Agent Skill

Copy this repository into the Skills folder for Codex or Claude Code.

```
git clone https://github.com/Tomato13/md-to-singlepage-pdf.git
cd md-to-singlepage-pdf
cp -pr md-to-singlepage-pdf ~/.codex/skills
```

Usage

Give an instruction like this to Codex or Claude Code:

```
Convert the Markdown file document.md into a single long-page PDF.
```

The output will be document.pdf.

How it works

- assets/pdf-style.css sets a large page size
- md-to-pdf renders the PDF
- scripts/crop_pdf.py detects and trims bottom whitespace

Customization

- Adjust page size and margins via assets/pdf-style.css @page
- Tune bottom padding with margin_bottom in scripts/crop_pdf.py

Notes

- Very large images can leave unexpected whitespace
- md-to-pdf uses Chromium under the hood

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