

# repo2pdf - repo2pdf

/Users/harissujethan/Desktop/repo2pdf

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# Table of Contents

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Overview	3
.gitignore	4
README.md	5
pyproject.toml	10
repo2pdf/__init__.py	10
repo2pdf/cli.py	11
repo2pdf/core.py	14
repo2pdf/pdf.py	29
repo2pdf/utils.py	76
requirements.txt	80
setup.py	81
tests/__init__.py	81
tests/test_core.py	82
tests/test_pdf.py	87
tests/test_utils.py	88

# Overview

## repo2pdf - repo2pdf

/Users/harissujethan/Desktop/repo2pdf

CLI tool to convert your repositories into clean PDFs and structured JSON outputs, **designed for giving LLMs full context of your codebase**

## Key Features

- Convert **local** or **remote** GitHub repositories
- Generate **PDFs** containing full file structures and contents
- Output structured **JSON** summaries
- Exclude unnecessary file types automatically
- **repo\_output.pdf**
- **repo\_output.json**

## Quick Usage

```
pip install repo2pdf
```
```

### Option 2: Install from Source

Clone the repository and install locally:

```
```bash
git clone https://github.com/haris-sujethan/repo-2-pdf
cd repo-2-pdf
pip install -r requirements.txt
```
```

Then choose one of the following:

**Local development install (recommended):**

```
```bash
pip install -e .
repo2pdf
```
```

**Run without installing:**

```
```bash
python -m repo2pdf.cli
```
```

## Usage

Run the CLI tool:

```
```bash
repo2pdf
```

## Files & Languages

- .py - 10 file(s)
- (no ext) - 1 file(s)
- .md - 1 file(s)
- .toml - 1 file(s)
- .txt - 1 file(s)
- Total files: 14

## Dependencies

- fpdf2
- GitPython
- inquirer
- pathspec
- pytest
- pygments>=2.13

## .gitignore

Transact-SQL • 9 line(s)

```
1 repo2pdf.egg-info/
2 __pycache__/_
3 *.py[cod]
4 *$py.class
5 dist/
6 build/
7 *.egg-info/
8 .pytest_cache/
9 node_modules/
```

# README.md

Markdown • 70 line(s)

```
1 # repo-2-pdf
```

```
3 CLI tool to convert your repositories into clean PDFs and structured JSON outputs, **designed f
3 or giving LLMs full context of your codebase**
```

```
5 ## Features
```

- ```
7 - Convert **local** or **remote GitHub repositories**
8 - Generate **PDFs** containing full file structures and contents
9 - Output structured **JSON summaries**
10 - Exclude unnecessary file types automatically
```

```
12 ## Installation
```

```
14 ### Option 1: Install from [PyPI](https://pypi.org/project/repo2pdf/) (Recommended)
```

```
16 ```bash
17 pip install repo2pdf
18 ```
```

```
20 ### Option 2: Install from Source
```

```
22 Clone the repository and install locally:
```

```
24 ```bash
25 git clone https://github.com/haris-sujethan/repo-2-pdf
26 cd repo-2-pdf
27 pip install -r requirements.txt
28 ```
```

30

Then choose one of the following:

```
32 **Local development install (recommended):**
```

```
34 ```bash
35 pip install -e .
36 repo2pdf
37 ```
```

```
39 **Run without installing:**
```

```
41 ```bash
42 python -m repo2pdf.cli
43 ```
```

```
45 ## Usage
```

```
47 Run the CLI tool:
```

```
49 ```bash
50 repo2pdf
51 ```
```

```
53 **Follow the interactive prompts:**
```

- ```
55 1. Select local or remote repository
56 2. Provide the local repo path or GitHub URL
57 3. Choose an output location
58 4. Exclude any file types you don't want included (e.g., `.png`, `.jpg`)
59 5. Optionally generate a JSON summary alongside the PDF
```

```
61 ## Example CLI Flow
```





```

```

```
65 ## Example Outputs
```

```
67 Example outputs are available in the /examples folder:
```

```
69 - repo_output.pdf
```

```
70 - repo_output.json
```

## pyproject.toml

TOML • 23 line(s)

```
1 [build-system]
2 requires = ["setuptools>=61.0"]
3 build-backend = "setuptools.build_meta"

5 [project]
6 name = "repo2pdf"
7 version = "0.1.4"
8 description = "Convert coding repositories into PDFs and JSON summaries"
9 authors = [
10     { name="Haris Sujethan", email="your-email@example.com" },
11 ]
12 license = {text = "MIT"}
13 readme = "README.md"
14 requires-python = ">=3.7"
15 dependencies = [
16     "fpdf2",
17     "GitPython",
18     "inquirer",
19     "pathspec",
20 ]

22 [project.scripts]
23 repo2pdf = "repo2pdf.cli:main"
```

## repo2pdf/\_\_init\_\_.py

Python • 3 line(s)

```
1 # __init__.py

3 __version__ = '0.1.0'
```

Python • 50 line(s)

```
2 from __future__ import annotations
```

```
5 from repo2pdf.core import process_local_repo, process_remote_repo
```

```
19     print(ascii_art)
```

```
28     repo_type = inquirer.prompt(repo_type_q)["repo_type"]
```

30

```
    json_q = [inquirer.Confirm("json", message="Do you also want to generate a JSON version?",
30 default=False)]
31     want_json = inquirer.prompt(json_q)["json"]

33     output_q = [inquirer.Text("output", message="Provide output path for PDF (press enter for d
33 efault)")]
34     output_path = inquirer.prompt(output_q)["output"]

36     exclude_q = [inquirer.Text("exclude", message="Enter file extensions to exclude (e.g. .png,
36 .jpg,.exe), or press enter to skip")]
37     exclude_input = inquirer.prompt(exclude_q)["exclude"]
38     exclude_list = [e.strip() for e in exclude_input.split(",")] if exclude_input else []

40     if repo_type == "Local":
41         path_q = [inquirer.Text("path", message="Provide local repo path (or press enter if cur
41 rent directory)")]
42         path = inquirer.prompt(path_q)["path"]
43         process_local_repo(path, want_json, output_path, exclude_list)
44     else:
45         url_q = [inquirer.Text("url", message="Provide GitHub repo URL (e.g. https://github.com
45 /user/repo)")]
46         url = inquirer.prompt(url_q)["url"]
47         process_remote_repo(url, want_json, output_path, exclude_list)

49 if __name__ == "__main__":
50     main()
```

## repo2pdf/core.py

Python • 223 line(s)

```
1 # repo2pdf/core.py
2 from __future__ import annotations

4 import json
5 import os
6 import tempfile
7 from datetime import datetime
8 from pathlib import Path
9 from typing import List, Tuple, Dict, Any

11 from pathspec import PathSpec
12 from pathspec.patterns.gitwildmatch import GitWildMatchPattern

14 from repo2pdf.pdf import generate_pdf, PDFMeta # updated renderer

16 # Directories we always skip anywhere in the path
17 EXCLUDE_DIRS = {
18     ".git", ".github", "node_modules", "dist", "build", "out", "target",
19     "__pycache__", ".mypy_cache", ".pytest_cache", ".venv", "venv",
20     ".tox", ".idea", ".vscode"
21 }

23 # Files we always skip by name
24 ALWAYS_SKIP_FILENAMES = {"repo_output.pdf", "repo2pdf.pdf"}

26 # Obvious binary extensions (expanded)
27 BINARY_EXTS = {
28     ".png", ".jpg", ".jpeg", ".gif", ".webp", ".ico",
29     ".pdf", ".zip", ".gz", ".7z", ".tar", ".rar",
30     ".woff", ".woff2", ".ttf", ".otf", ".eot",
```

31

```
        ".bmp", ".tiff", ".psd", ".svg",
32     ".mp3", ".mp4", ".mov", ".avi", ".mkv",
33     ".exe", ".dll", ".so", ".dylib",
34     ".bin", ".class", ".o", ".a",
35     ".lock",
36 }
```

```
38 # Max size we'll read as "text"
39 MAX_TEXT_BYTES = 1_000_000 # 1 MB
```

```
42 def _gitignore(root: Path) -> PathSpec:
43     gi = root / ".gitignore"
44     lines = gi.read_text().splitlines() if gi.exists() else []
45     return PathSpec.from_lines(GitWildMatchPattern, lines)
```

```
48 def _skip_dir(p: Path) -> bool:
49     return any(part in EXCLUDE_DIRS for part in p.parts)
```

```
52 def _looks_binary(head: bytes) -> bool:
53     if b"\x00" in head:
54         return True
55     if head.startswith(b"%PDF-"):
56         return True
57     if head.startswith(b"\x1f\x8b"): # gzip
58         return True
59     if head.startswith(b"PK\x03\x04"): # zip/jar/docx/etc.
60         return True
61     printable = sum(32 <= b <= 126 or b in (9, 10, 13) for b in head)
62     return (len(head) - printable) / max(1, len(head)) > 0.20
```



65

```
def _collect_files(root: Path, exclude_exts: set[str]) -> Tuple[List[Tuple[str, str]], Dict[str, Any]]:
65     r, Any]]:
66         spec = _gitignore(root)
67         files: List[Tuple[str, str]] = []
68         counts = {
69             "gitignored": 0,
70             "manual_exclude": 0,
71             "excluded_dir": 0,
72             "binary_ext": 0,
73             "binary_magic": 0,
74             "too_large": 0,
75             "read_errors": 0,
76         }
```

```
78     for p in root.rglob("*"):
79         if p.is_dir():
80             if _skip_dir(p):
81                 # skip entire subtree
82                 counts["excluded_dir"] += 1
83                 continue
84             continue
```

```
86         rel = p.relative_to(root).as_posix()
```

```
88         # .gitignore + manual skips
89         if rel.startswith(".git/") or spec.match_file(rel):
90             counts["gitignored"] += 1
91             continue
92         if p.name in ALWAYS_SKIP_FILENAMES:
93             counts["manual_exclude"] += 1
94             continue
95         if _skip_dir(p):
```



```
counts["excluded_dir"] += 1
```

```
97     continue
```

```
99     ext = p.suffix.lower()
```

```
100     if ext in exclude_exts or ext in BINARY_EXTS:
```

```
101         counts["binary_ext"] += 1
```

```
102         continue
```

```
104     try:
```

```
105         if p.stat().st_size > MAX_TEXT_BYTES:
```

```
106             counts["too_large"] += 1
```

```
107             continue
```

```
108     except Exception:
```

```
109         pass
```

```
111     try:
```

```
112         with p.open("rb") as f:
```

```
113             head = f.read(4096)
```

```
114             if _looks_binary(head):
```

```
115                 counts["binary_magic"] += 1
```

```
116                 continue
```

```
117             data = head + f.read()
```

```
118             text = data.decode("utf-8", errors="replace")
```

```
119     except Exception:
```

```
120         counts["read_errors"] += 1
```

```
121         continue
```

```
123     files.append((rel, text))
```

```
125     files.sort(key=lambda t: t[0])
```

```
126     summary = {"counts": counts, "notes": [], "packed_small_files": 0}
```

```
127     return files, summary
```

---

130

```

def _resolve_output_path(output_path: str | None, root: Path) -> Path:
131     """
132     If output_path is:
133         - empty/None -> use CWD/repo2pdf-<root>-YYYYmmdd-HHMM.pdf
134         - a directory -> append repo2pdf-<root>-YYYYmmdd-HHMM.pdf
135         - a file path without .pdf -> add .pdf
136         - a file path with .pdf -> use as-is
137     """
138     ts = datetime.now().strftime("%Y%m%d-%H%M")
139     default_name = f"repo2pdf-{root.name}-{ts}.pdf"

```

```

141     if not output_path or output_path.strip() == "":
142         return Path(os.getcwd()) / default_name

```

```

144     p = Path(output_path).expanduser()
145     if p.is_dir() or str(output_path).endswith(os.sep):
146         return p / default_name

```

```

148     if p.suffix.lower() != ".pdf":
149         p = p.with_suffix(".pdf")
150     return p

```

```

153 def _build_json_summary(root: Path, files: List[Tuple[str, str]]) -> dict:
154     from datetime import datetime, timezone
155     entries = []
156     for rel, content in files:
157         p = root / rel
158         try:
159             size = p.stat().st_size
160         except Exception:
161             size = len(content.encode("utf-8", errors="ignore"))

```

162

```
        lines = content.count("\n") + (1 if content and not content.endswith("\n") else 0)

163     entries.append({
164         "path": rel,
165         "ext": Path(rel).suffix.lower(),
166         "size_bytes": size,
167         "line_count": lines,
168     })
169     return {
170         "repo_name": root.name,
171         "root": str(root),
172         "file_count": len(entries),
173         "generated_at": datetime.now(timezone.utc).isoformat(),
174         "files": entries,
175     }

178 def _render(root: Path, output_path: str | None, exclude_list: list[str] | None, repo_url: str
178 | None, want_json: bool):
179     # Normalize CLI excludes (like ".png,.jpg") into a set of extensions
180     exclude_exts = set()
181     for item in (exclude_list or []):
182         for token in item.split(","):
183             token = token.strip()
184             if token and token.startswith("."):
185                 exclude_exts.add(token.lower())

187     files, summary = _collect_files(root, exclude_exts)

189     meta = PDFMeta(
190         title=f"repo2pdf - {root.name}",
191         subtitle=str(root),
192         repo_url=repo_url,
```



---

193

```
)
```

```
195 out_path = _resolve_output_path(output_path, root)
```

```
196 out_path.parent.mkdir(parents=True, exist_ok=True)
```

```
198 # Generate PDF (summary appended in appendix)
```

```
199 generate_pdf(files, str(out_path), meta, summary=summary)
```

```
201 if want_json:
```

```
202     out_json = _build_json_summary(root, files)
```

```
203     json_path = out_path.with_suffix(".json")
```

```
204     json_path.write_text(json.dumps(out_json, indent=2), encoding="utf-8")
```

```
206 print(f"\nPDF saved to: {out_path}")
```

```
207 if want_json:
```

```
208     print(f"JSON saved to: {out_path.with_suffix('.json')}")
```

```
211 # Public entry points expected by cli.py
```

```
213 def process_local_repo(path: str, want_json: bool, output_path: str | None, exclude_list: list  
213 [str]):
```

```
214     root = Path(path or ".").resolve()
```

```
215     _render(root, output_path, exclude_list, repo_url=None, want_json=want_json)
```

```
218 def process_remote_repo(url: str, want_json: bool, output_path: str | None, exclude_list: list  
218 [str]):
```

```
219     from git import Repo # requires GitPython
```

```
220     with tempfile.TemporaryDirectory(prefix="repo2pdf_") as tmp:
```

```
221         tmp_path = Path(tmp)
```

```
222         Repo.clone_from(url, tmp_path)
```



---

```
_render(tmp_path, output_path, exclude_list, repo_url=url, want_json=want_json)
```

## repo2pdf/pdf.py

Python • 756 line(s)

```
1 # repo2pdf/pdf.py
2 # Clean, readable PDF renderer with *native* syntax highlighting:
3 # - Cover
4 # - Table of Contents AT THE START (reserved then backfilled; truncates with a note)
5 # - Text-only Overview (LLM + human friendly; strips README images)
6 # - One section per file with Unicode-safe monospaced text
7 # - Native Pygments token coloring (no HTML), line numbers, light code background
8 # - Safe soft-wrapping; no empty background bands; robust around page breaks
9 # - Small-file packing: multiple tiny files share a page when space allows
10 # - Header shows: path • language • lines (per-page context)
11 # - Appendix: transparent "Skipped & condensed" summary
```

```
13 from __future__ import annotations
```

```
15 import os
16 import re
17 from dataclasses import dataclass
18 from datetime import datetime
19 from typing import Iterable, Tuple, Optional, List, Dict, Any
```

```
21 from fpdf import FPDF
```

```
23 # Pygments for lexing & token types
24 from pygments import lex
25 from pygments.lexers import get_lexer_for_filename, guess_lexer
26 from pygments.lexers.special import TextLexer
27 from pygments.token import Token
```

```
29 # -----
30 # Configuration
```

31

```

# -----

32 PACKAGE_DIR = os.path.dirname(__file__)
33 FONTS_DIR = os.path.join(PACKAGE_DIR, "fonts")

35 DEJAVU_SANS = os.path.join(FONTS_DIR, "DejaVuSans.ttf")
36 DEJAVU_SANS_BOLD = os.path.join(FONTS_DIR, "DejaVuSans-Bold.ttf")
37 DEJAVU_MONO = os.path.join(FONTS_DIR, "DejaVuSansMono.ttf")

39 # Minimal text normalizer so DejaVu can render everything
40 CHAR_MAP = {
41     # arrows, misc
42     "△": "△", "→": "→", "↪": "→", "←": "←", "↩": "←",
43     # smart punctuation -> ASCII
44     "-": "-", "'": "'", "“": "“", "”": "”", "„": "„",
45     "„": "„", "“": "“", "”": "”", "„": "„", "„": "„",
46     "“": "“", "”": "”", "„": "„", "„": "„", "„": "„",
47     "\u00A0": " ", # NBSP
48 }

50 def normalize_text_for_pdf(s: str) -> str:
51     s = (s or "").replace("\u0000", "") # strip variation selector
52     for k, v in CHAR_MAP.items():
53         s = s.replace(k, v)
54     return s

57 @dataclass
58 class PDFMeta:
59     title: str
60     subtitle: Optional[str] = None
61     repo_url: Optional[str] = None
62     generated_at: Optional[datetime] = None

```

65



```
class RepoPDF(FPDF):
```

```
66     """FPDF renderer with a cover, ToC at start, text Overview, and per-file sections."""
```

```
68     def __init__(self, meta: PDFMeta):
69         super().__init__(orientation="P", unit="mm", format="A4")
70         # Slightly larger bottom margin so footers never collide
71         self.set_auto_page_break(auto=True, margin=16)
72         self.meta = meta
73         self._toc: List[Tuple[str, int, int]] = [] # (label, level, page)
74         self._links: Dict[str, int] = {}
75         self._toc_reserved_page: Optional[int] = None
76         # Header state (per page)
77         self._hdr_path: str = meta.title
78         self._hdr_lang: str = ""
79         self._hdr_lines: Optional[int] = None
```

```
81         self._register_fonts()
82         self._set_doc_info()
```

```
84     # ----- Fonts & metadata -----
85     def _register_fonts(self):
86         for path in (DEJAVU_SANS, DEJAVU_SANS_BOLD, DEJAVU_MONO):
87             if not (os.path.exists(path) and os.path.getsize(path) > 50_000):
88                 raise RuntimeError(
89                     f"Missing/invalid font at {path}. Please vendor real DejaVu TTF binaries."
90                 )
91         # Register Unicode-safe fonts (regular + bold only; no italics to prevent errors)
92         self.add_font("DejaVu", style="", fname=DEJAVU_SANS, uni=True)
93         self.add_font("DejaVu", style="B", fname=DEJAVU_SANS_BOLD, uni=True)
94         self.add_font("DejaVuMono", style="", fname=DEJAVU_MONO, uni=True)
95         self.set_font("DejaVu", size=11)
```



```

    def _set_doc_info(self):
108         self.set_title(self.meta.title)
109         if self.meta.subtitle:
110             self.set_subject(self.meta.subtitle)
111         if self.meta.repo_url:
112             self.set_author(self.meta.repo_url)
113         self.set_creator("repo2pdf")

115     # ----- Header / Footer -----
116     def header(self):
117         # Header line + context
118         self.set_font("DejaVu", size=9)
119         self.set_text_color(60)
120         self.set_x(self.l_margin)

122     # Trim path to available width
123     right_part = ""
124     if self._hdr_lang or self._hdr_lines is not None:
125         parts = [p for p in [self._hdr_lang, f"{self._hdr_lines} lines" if self._hdr_lines
126 else None] if p]
127         right_part = " • ".join(parts)
128     max_w = self.w - self.l_margin - self.r_margin
129     left_txt = normalize_text_for_pdf(self._hdr_path)
130     if right_part:
131         # reserve space for right_part
132         rp_w = self.get_string_width(" " + right_part)
133         avail = max_w - rp_w
134         # elide left if too long
135         while self.get_string_width(left_txt) > avail and len(left_txt) > 4:
136             left_txt = "..." + left_txt[1:]
137         self.cell(avail, 6, left_txt, ln=0, align="L")
138     # right-aligned meta

```

128

```
        self.set_xy(self.w - self.r_margin - rp_w, self.get_y())
129         self.cell(rp_w, 6, right_part, ln=1, align="R")
130     else:
131         self.cell(0, 6, left_txt, ln=1, align="L")
```

```
133     self.set_draw_color(220)
134     self.set_line_width(0.2)
135     y = self.get_y()
136     self.line(self.l_margin, y, self.w - self.r_margin, y)
137     self.ln(2)
138     self.set_text_color(0)
```

```
140     def footer(self):
141         self.set_y(-12)
142         self.set_font("DejaVu", size=9)
143         self.set_text_color(120)
144         self.cell(0, 8, f"Page {self.page_no()}", align="C")
145         self.set_text_color(0)
```

```
147     # ----- Helpers -----
148     def _page_width_available(self) -> float:
149         return self.w - self.l_margin - self.r_margin
```

```
151     def _safe_multicell(self, text: str, line_h: float):
152         """Reset X to left margin and use explicit width to avoid FPDF width errors."""
153         self.set_x(self.l_margin)
154         self.multi_cell(self._page_width_available(), line_h, text)
```

```
156     # ----- High level -----
157     def add_cover(self):
158         # Header state for this page
159         self._hdr_path = normalize_text_for_pdf(self.meta.title)
```

160

```
        self._hdr_lang = ""
161     self._hdr_lines = None

163     self.add_page()
164     self.set_font("DejaVu", "B", 22)
165     self.ln(30)
166     self._safe_multicell(normalize_text_for_pdf(self.meta.title), line_h=12)
167     self.ln(4)
168     self.set_font("DejaVu", size=12)
169     sub = self.meta.subtitle or "Repository to PDF"
170     self._safe_multicell(normalize_text_for_pdf(sub), line_h=8)
171     self.ln(4)
172     if self.meta.repo_url:
173         url = normalize_text_for_pdf(self.meta.repo_url)
174         self.set_text_color(60, 90, 200)
175         self.set_x(self.l_margin)
176         self.cell(self._page_width_available(), 8, url, align="C", ln=1, link=self.meta.repo_url)
177         self.set_text_color(0)
178     self.ln(6)
179     when = (self.meta.generated_at or datetime.utcnow()).strftime("%Y-%m-%d %H:%M UTC")
180     self.set_text_color(120)
181     self.set_x(self.l_margin)
182     self.cell(self._page_width_available(), 8, f"Generated {when}", align="C")
183     self.set_text_color(0)

185     def reserve_toc_page(self):
186         """Reserve a page right after the cover for the ToC and remember its number."""
187         # Header state for ToC page
188         self._hdr_path = "Table of Contents"
189         self._hdr_lang = ""
190         self._hdr_lines = None
```





```
self.add_page()
```

```
193 self._toc_reserved_page = self.page_no()
```

```
195 def render_toc_on_reserved_page(self):
```

```
196     if not self._toc_reserved_page:
```

```
197         return
```

```
198     # Jump to the reserved page and render
```

```
199     current_page = self.page_no()
```

```
200     current_x, current_y = self.get_x(), self.get_y()
```

```
202     self.page = self._toc_reserved_page
```

```
203     self.set_xy(self.l_margin, self.t_margin)
```

```
205     self.set_font("DejaVu", "B", 16)
```

```
206     self._safe_multicell("Table of Contents", line_h=10)
```

```
207     self.ln(2)
```

```
209     # Guard: don't let ToC overflow this single page (truncate gracefully)
```

```
210     bottom_limit = self.h - self.b_margin
```

```
211     self.set_font("DejaVu", size=11)
```

```
212     truncated = False
```

```
213     for label, level, page in self._toc:
```

```
214         if self.get_y() + 8 > bottom_limit:
```

```
215             truncated = True
```

```
216             break
```

```
217             indent = "    " * level
```

```
218             text = f"{indent}{normalize_text_for_pdf(label)}"
```

```
219             link_id = self._links.get(label)
```

```
220             y_before = self.get_y()
```

```
221             self.set_x(self.l_margin)
```

```
222             self.cell(self._page_width_available(), 7, text, ln=0, link=link_id)
```

```
223             self.set_xy(self.l_margin, y_before)
```

---

224

```
self.cell(self._page_width_available(), 7, str(page), align="R", ln=1)
```

```
226     if truncated:
227         self.ln(1)
228         self.set_font("DejaVu", "B", 10)
229         self._safe_multicell("... ToC truncated", line_h=6)
```

```
231     # Return to where we were (append mode)
232     self.page = current_page
233     self.set_xy(current_x, current_y)
```

```
235     def toc_add(self, label: str, level: int = 0):
236         self._toc.append((label, level, self.page_no()))
237         # Internal link target bookkeeping
238         try:
239             link_id = self.add_link()
240             self._links[label] = link_id
241             self.set_link(link_id, y=self.get_y(), page=self.page_no())
242         except Exception:
243             pass
```

```
245     # ----- Sections -----
246     def add_overview_section(self, overview: Dict[str, object]):
247         """Overview section summarizing repo for humans & LLMs (text only)."""
248         # Header state for this page
249         self._hdr_path = "Overview"
250         self._hdr_lang = ""
251         self._hdr_lines = None
```

```
253     self.add_page()
254     title = "Overview"
255     self.set_font("DejaVu", "B", 16)
```

256

```
        self._safe_multicell(title, line_h=10)

257     self.ln(1)
258     self.toc_add(title, level=0)


260     self.set_font("DejaVu", size=11)
261     line_h = 6


263     def p(text: str = ""):
264         self._safe_multicell(normalize_text_for_pdf(text), line_h=line_h)


266     def bullet(text: str):
267         self._safe_multicell(f"• {normalize_text_for_pdf(text)}", line_h=line_h)


269     title_text = overview.get("title") or ""
270     subtitle_text = overview.get("subtitle") or ""
271     desc = overview.get("description") or ""
272     features: List[str] = overview.get("features") or []
273     usage = overview.get("usage") or ""
274     exts: List[Tuple[str, int]] = overview.get("ext_counts") or []
275     total_files: int = overview.get("total_files") or 0
276     deps: List[str] = overview.get("dependencies") or []


278     if title_text:
279         self.set_font("DejaVu", "B", 12)
280         p(str(title_text))
281         self.set_font("DejaVu", size=11)
282     if subtitle_text:
283         p(str(subtitle_text))
284     if desc:
285         p(str(desc))


287     if features:
```

---

288

```
        self.ln(1)

289         self.set_font("DejaVu", "B", 12)
290         p("Key Features")
291         self.set_font("DejaVu", size=11)
292         for f in features[:8]:
293             bullet(str(f))

295     if usage:
296         self.ln(1)
297         self.set_font("DejaVu", "B", 12)
298         p("Quick Usage")
299         self.set_font("DejaVuMono", size=10)
300         self._safe_multicell(str(usage), line_h=5.5)
301         self.set_font("DejaVu", size=11)

303     if exts:
304         self.ln(1)
305         self.set_font("DejaVu", "B", 12)
306         p("Files & Languages")
307         self.set_font("DejaVu", size=11)
308         for ext, cnt in exts[:8]:
309             bullet(f"{ext} - {cnt} file(s)")
310             bullet(f"Total files: {total_files}")

312     if deps:
313         self.ln(1)
314         self.set_font("DejaVu", "B", 12)
315         p("Dependencies")
316         self.set_font("DejaVu", size=11)
317         for d in deps[:12]:
318             bullet(d)
```

320



```
# ---- Code rendering with native syntax highlighting, background, line numbers
```

```
321 def _ensure_lexer(self, rel_path: str, content: str):
322     try:
323         return get_lexer_for_filename(rel_path, stripnl=False)
324     except Exception:
325         try:
326             return guess_lexer(content)
327         except Exception:
328             return TextLexer()
```

```
330 def _write_code_with_highlighting(
331     self,
332     rel_path: str,
333     content: str,
334     *,
335     line_numbers: bool = True,
336     font_size: int = 9,
337 ):
338     """
339     Write code using token-by-token coloring. Avoids drawing an empty band:
340     we only draw the background after we know we'll print text on the line.
341     """
342     content = content.replace("\t", "    ") # Normalize tabs
343     lexer = self._ensure_lexer(rel_path, content)
```

```
345     self.set_font("DejaVuMono", size=font_size)
346     # line height tuned for DejaVuMono (readable & compact)
347     line_h = max(4.6, font_size * 0.45 + 4.0)
```

```
349     # Layout geometry
350     left_x = self.l_margin
351     right_x = self.w - self.r_margin
```



```
        bottom_limit = self.h - self.b_margin

353     lines_total = (content.count("\n") + 1) if content else 1
354     gutter_w = (self.get_string_width(str(lines_total)) + 4) if line_numbers else 0.0
355     code_x = left_x + gutter_w
```

```
357     # State for current visual line
358     cur_line_no = 1
359     at_line_start = True           # start of a visual line (no text yet)
360     drew_band_this_line = False   # background band drawn?
361     wrote_line_number = False     # line number drawn?
```

```
363     def start_new_visual_line(new_logical: bool = False):
364         nonlocal at_line_start, drew_band_this_line, wrote_line_number, cur_line_no
365         # Move down a line; auto page break is on
366         self.ln(line_h)
367         at_line_start = True
368         drew_band_this_line = False
369         wrote_line_number = False
370         # If this is because we finished a logical line, increment number now
371         if new_logical:
372             cur_line_no += 1
```

```
374     def ensure_band_and_gutter():
375         """Draw background + gutter only once, right before first text on the visual line.
376         """
377         nonlocal drew_band_this_line, wrote_line_number
378         if drew_band_this_line:
379             return
380         y = self.get_y()
381         if y + line_h > bottom_limit:
382             # page is about to break; after break we are at new page top
383             pass
```



```

        # Draw band
384         self.set_fill_color(248, 248, 248)
385         self.rect(left_x, y, right_x - left_x, line_h, style="F")
386         # Gutter
387         if line_numbers and not wrote_line_number:
388             self.set_text_color(150, 150, 150)
389             self.set_xy(left_x, y)
390             self.cell(gutter_w, line_h, str(cur_line_no).rjust(len(str(lines_total))), ali
390 gn="R")
391             wrote_line_number = True
392         # Move to code start
393         self.set_xy(code_x, y)
394         drew_band_this_line = True

```

```

396         # Begin at current Y; do not pre-draw anything
397         if at_line_start:
398             # just position cursor at code area before first text
399             self.set_x(code_x)

```

```

401         # Render each logical line with wrapping
402         for logical_line in (content.splitlines(True) or [""]):
403             pieces = list.lex(logical_line, lexer)

```

```

405         for tok_type, txt in pieces:
406             # Split into printable and whitespace chunks to allow wrapping at spaces
407             for chunk in re.split(r"(\s+)", txt):
408                 if chunk == "":
409                     continue
410                 if chunk == "\n":
411                     # finish logical line: advance to next visual line as a new logical li
411 ne
412                     start_new_visual_line(new_logical=True)

```



```
        continue
```

```
415         # We are about to print something: ensure band & gutter once
416         ensure_band_and_gutter()
417         at_line_start = False
```

```
419         # Soft wrap if needed
420         piece = chunk
421         while piece:
422             available = right_x - self.get_x()
423             piece_w = self.get_string_width(piece)
```

```
425             if piece_w <= available:
426                 r, g, b = _rgb_for(tok_type)
427                 self.set_text_color(r, g, b)
428                 self.cell(piece_w, line_h, piece, ln=0)
429                 piece = ""
430             else:
431                 # Need to break piece - largest prefix that fits
432                 lo, hi = 0, len(piece)
433                 while lo < hi:
434                     mid = (lo + hi + 1) // 2
435                     if self.get_string_width(piece[:mid]) <= available:
436                         lo = mid
437                     else:
438                         hi = mid - 1
439                 prefix = piece[:lo] if lo > 0 else ""
440                 rest = piece[lo:] if lo < len(piece) else ""
441                 if prefix:
442                     r, g, b = _rgb_for(tok_type)
443                     self.set_text_color(r, g, b)
444                     self.cell(self.get_string_width(prefix), line_h, prefix, ln=0)
```

445



```
# move to next visual line (continuation, same logical line number
```

```
445 )
446         start_new_visual_line(new_logical=False)
447         ensure_band_and_gutter()
448         piece = rest
```

```
450         # If the logical line did not end with "\n", we need to move to next logical line
451         if not logical_line.endswith("\n"):
452             start_new_visual_line(new_logical=True)
```

```
454         # Reset color
455         self.set_text_color(0, 0, 0)
```

```
457     def _detect_language_label(self, rel_path: str, content: str) -> str:
458         # Try pygments lexer name
459         try:
460             lexer = get_lexer_for_filename(rel_path, stripnl=False)
461             return getattr(lexer, "name", "Text")
462         except Exception:
463             try:
464                 lexer = guess_lexer(content)
465                 return getattr(lexer, "name", "Text")
466             except Exception:
467                 # Fall back to extension
468                 ext = os.path.splitext(rel_path)[1].lower() or "(no ext)"
469                 return {"": "Text"}.get(ext, ext or "Text")
```

```
471     def _estimate_block_height(self, line_count: int, font_size: int = 9) -> float:
472         """Rough height estimate for small-file packing (title + meta + lines)."""
473         title_h = 9.0
474         meta_h = 5.5
475         line_h = max(4.6, font_size * 0.45 + 4.0)
```

476

```
        return title_h + 1 + meta_h + 1 + line_count * line_h + 2
```

```
478     def _set_header_context(self, path: str, lang: str, lines: int):
```

```
479         self._hdr_path = path
```

```
480         self._hdr_lang = lang
```

```
481         self._hdr_lines = lines
```

```
483     def add_file_section(self, rel_path: str, content: str, *, force_new_page: bool = True):
```

```
484         """Render a file. If force_new_page=False we try to keep adding on the same page."""
```

```
485         # Body (code with native highlighting)
```

```
486         content = normalize_text_for_pdf(content)
```

```
487         # Safety: soft-wrap pathological long lines before rendering
```

```
488         if content and len(max(content.splitlines() or [""], key=len)) > 2000:
```

```
489             content = "\n".join(_soft_wrap(line, width=200) for line in content.splitlines())
```

```
491         lang = self._detect_language_label(rel_path, content)
```

```
492         line_count = content.count("\n") + (1 if content and not content.endswith("\n") else 0
```

```
492     )
```

```
493         line_count = max(1, line_count)
```

```
495         # Page decision for small files
```

```
496         est_h = self._estimate_block_height(min(line_count, 40))
```

```
497         bottom_limit = self.h - self.b_margin
```

```
498         need_new_page = force_new_page or (self.get_y() + est_h > bottom_limit)
```

```
500         if need_new_page:
```

```
501             # Update header state for this page
```

```
502             self._set_header_context(rel_path, lang, line_count)
```

```
503             self.add_page()
```

```
504         else:
```

```
505             # Update header context to reflect the first file on this page
```

```
506             if self.page_no() == 0:
```



```
        self.add_page()

508         if self._hdr_path == self.meta.title:
509             self._set_header_context(rel_path, lang, line_count)

511         # File title
512         self.set_font("DejaVu", "B", 14)
513         self._safe_multicell(normalize_text_for_pdf(rel_path), line_h=9)

515         # File meta line: language + line count
516         self.set_font("DejaVu", size=9)
517         self.set_text_color(110)
518         meta_line = f"{lang} • {line_count} line(s)"
519         self._safe_multicell(meta_line, line_h=5.5)
520         self.set_text_color(0)
521         self.ln(1)

523         # ToC + link
524         self.toc_add(rel_path, level=0)

526         # Code
527         self._write_code_with_highlighting(rel_path, content, line_numbers=True, font_size=9)

529         # ----- Appendix -----
530         def add_appendix(self, summary: Optional[Dict[str, Any]]):
531             if not summary:
532                 return

534         self._hdr_path = "Appendix"
535         self._hdr_lang = ""
536         self._hdr_lines = None

538         self.add_page()
```

539

```
        self.set_font("DejaVu", "B", 16)

540     self._safe_multicell("Appendix: Skipped & condensed", line_h=10)
541     self.ln(2)
542     self.set_font("DejaVu", size=11)


544     def row(label: str, value: Any):
545         self.set_font("DejaVu", "B", 11)
546         self._safe_multicell(label, line_h=6)
547         self.set_font("DejaVu", size=11)
548         self._safe_multicell(str(value), line_h=6)
549         self.ln(1)


551     counts = summary.get("counts", {})
552     notes = summary.get("notes", [])
553     packed = summary.get("packed_small_files", 0)


555     row("Skipped (gitignored)", counts.get("gitignored", 0))
556     row("Skipped (excluded dirs)", counts.get("excluded_dir", 0))
557     row("Skipped (manual excludes)", counts.get("manual_exclude", 0))
558     row("Skipped (binary by extension)", counts.get("binary_ext", 0))
559     row("Skipped (binary by magic/heuristic)", counts.get("binary_magic", 0))
560     row("Skipped (too large)", counts.get("too_large", 0))
561     row("Read/decoding errors", counts.get("read_errors", 0))
562     row("Packed small files (co-located per page)", packed)


564     if notes:
565         self.ln(2)
566         self.set_font("DejaVu", "B", 12)
567         self._safe_multicell("Notes", line_h=7)
568         self.set_font("DejaVu", size=11)
569         for n in notes:
570             self._safe_multicell(f"• {n}", line_h=6)
```

573



```
# -----
574 # Public API
575 # -----

577 def generate_pdf(
578     files: Iterable[Tuple[str, str]],
579     output_path: str,
580     meta: Optional[PDFMeta] = None,
581     summary: Optional[Dict[str, Any]] = None,
582 ) -> str:
583     """
584     Generate a polished PDF from an iterable of (relative_path, content).

586     Adds:
587     - Cover
588     - Table of Contents (at the start; one page, truncated if needed)
589     - Text Overview section (LLM + human friendly)
590     - File sections (syntax-highlighted, small-file packing)
591     - Appendix with skip/condense summary
592     """
593     meta = meta or PDFMeta(title="Repository Export", generated_at=datetime.utcnow())
594     files = list(files) # iterate twice safely
595     pdf = RepoPDF(meta)

597     # 1) Cover
598     pdf.add_cover()

600     # 2) Reserve a page for the ToC (at the start). We fill it later.
601     pdf.reserve_toc_page()

603     # 3) Overview
604     overview = _build_overview_data(files, meta)
```

605

```
pdf.add_overview_section(overview)
```

```
607     # 4) Sections with small-file packing
608     SMALL_LINE_THRESHOLD = 30
609     current_page_small_lines = 0
610     for rel_path, content in files:
611         # Safety for pathological lines (still soft wrap later)
612         if content and len(max(content.splitlines() or [""], key=len)) > 4000:
613             content = "\n".join(_soft_wrap(line, width=200) for line in content.splitlines())
615         line_count = content.count("\n") + (1 if content and not content.endswith("\n") else 0
615 )
616         line_count = max(1, line_count)
```

```
618         if line_count <= SMALL_LINE_THRESHOLD:
619             # Try to keep adding on same page until space runs out
620             pdf.add_file_section(rel_path, content, force_new_page=False)
621             current_page_small_lines += line_count
622         else:
623             # Large file: force a new page
624             current_page_small_lines = 0
625             pdf.add_file_section(rel_path, content, force_new_page=True)
```

```
627     # 5) Go back and render ToC on the reserved page (truncate if too long)
628     pdf.render_toc_on_reserved_page()
```

```
630     # 6) Appendix
631     pdf.add_appendix(summary)
```

```
633     # 7) Save
634     os.makedirs(os.path.dirname(output_path) or ".", exist_ok=True)
635     pdf.output(output_path)
```



```
    return output_path
```

```
638 # -----
639 # Helpers
640 # -----
```

```
642 def _soft_wrap(line: str, width: int) -> str:
643     if len(line) <= width:
644         return line
645     return "\n".join(line[i:i+width] for i in range(0, len(line), width))
```

```
647 def _strip_readme_images(text: str) -> str:
648     # Remove markdown image syntax ![alt](url) and <img ...> HTML tags
649     text = re.sub(r"!\[^\]]*\]\([^\)]+\)", "", text)
650     text = re.sub(r"<img\s+[^\>]*>", "", text, flags=re.IGNORECASE)
651     return text
```

```
653 def _build_overview_data(files: List[Tuple[str, str]], meta: PDFMeta) -> Dict[str, object]:
654     """
655     Build a compact, LLM-friendly + human-friendly overview using repo content:
656     - Name, purpose (from README if present)
657     - Headline features (from README bullets)
658     - Usage (from README or CLI hints)
659     - Language & file stats
660     - Dependencies (requirements.txt, pyproject)
661     """
662     file_map: Dict[str, str] = {p.lower(): c for p, c in files}
```

```
664     # README
665     readme_name = next((p for p, _ in files if os.path.basename(p).lower() in {"readme.md", "r
665 eadme"}), None)
666     readme = file_map.get(readme_name.lower(), "") if readme_name else ""
```

667

```
readme = _strip_readme_images(readme)
```

```
669 title = meta.title or "Repository"
```

```
670 subtitle = meta.subtitle or ""
```

```
672 # Description: first paragraph of README (strip headings)
```

```
673 desc = ""
```

```
674 if readme:
```

```
675     text = re.sub(r"^\#{1,6}\s+.*$", "", readme, flags=re.MULTILINE).strip()
```

```
676     parts = [p.strip() for p in text.split("\n\n") if p.strip()]
```

```
677     if parts:
```

```
678         desc = parts[0][:800]
```

```
680 # Features: README bullet list (first 5-8)
```

```
681 features: List[str] = []
```

```
682 if readme:
```

```
683     for line in readme.splitlines():
```

```
684         if re.match(r"^\s*[-]\s+", line):
```

```
685             features.append(re.sub(r"^\s*[-]\s+", "", line).strip())
```

```
686             if len(features) >= 8:
```

```
687                 break
```

```
689 # Usage: a code snippet containing 'repo2pdf'
```

```
690 usage = ""
```

```
691 if readme:
```

```
692     m = re.search(r"```(?:bash|sh)?\s*([^\n`]*repo2pdf[^\n`]*\n(?:.*?\n)*)```", readme, flags=re.IGNORECASE)
```

```
693     if m:
```

```
694         usage = m.group(1).strip()
```

```
695 if not usage:
```

```
696     usage = "repo2pdf # Follow interactive prompts"
```

698



```
# Language & file stats
```

```
699 from collections import Counter
700 ext_counts = Counter()
701 for p, _ in files:
702     ext = os.path.splitext(p)[1].lower() or "(no ext)"
703     ext_counts[ext] += 1
704 top_exts = sorted(ext_counts.items(), key=lambda kv: kv[1], reverse=True)[:8]
705 file_count = sum(ext_counts.values())
```

```
707 # Dependencies
708 deps: List[str] = []
709 req = file_map.get("requirements.txt", "")
710 if req:
711     for line in req.splitlines():
712         line = line.strip()
713         if line and not line.startswith("#"):
714             deps.append(line)
715 pyproject = file_map.get("pyproject.toml", "")
716 if pyproject and not deps:
717     for name in ("fpdf2", "GitPython", "inquirer", "pathspec", "pygments", "pytest"):
718         if name in pyproject and name not in deps:
719             deps.append(name)
```

```
721 return {
722     "title": title,
723     "subtitle": subtitle,
724     "description": desc,
725     "features": features,
726     "usage": usage,
727     "ext_counts": top_exts,
728     "total_files": file_count,
729     "dependencies": deps,
```



```
}
```

```
732 # --- token color theme -----
```

```
734 # Simple light theme for tokens (tweak as you like)
```

```
735 THEME = {
```

```
736     Token.Comment:      (120, 120, 120),
```

```
737     Token.Keyword:      (170, 55, 140),
```

```
738     Token.Keyword.Namespace: (170, 55, 140),
```

```
739     Token.Name.Function: ( 30, 120, 180),
```

```
740     Token.Name.Class:    ( 30, 120, 180),
```

```
741     Token.Name.Decorator: (135, 110, 180),
```

```
742     Token.String:        ( 25, 140, 65),
```

```
743     Token.Number:        (190, 110, 30),
```

```
744     Token.Operator:      ( 90, 90, 90),
```

```
745     Token.Punctuation:   ( 90, 90, 90),
```

```
746     Token.Name.Builtin:  ( 30, 120, 180),
```

```
747     Token.Name.Variable: ( 0, 0, 0),
```

```
748     Token.Text:          ( 0, 0, 0),
```

```
749 }
```

```
751 def _rgb_for(tok_type):
```

```
752     # Find first mapping that contains this token type, else default black
```

```
753     for t, rgb in THEME.items():
```

```
754         if tok_type in t:
```

```
755             return rgb
```

```
756     return (0, 0, 0)
```

## repo2pdf/utils.py

Python • 83 line(s)

```
1 import os
2 import mimetypes
3 import json

5 EXTENSION_LANGUAGE_MAP = {
6     # Programming languages
7     '.py': 'Python',
8     '.js': 'JavaScript',
9     '.ts': 'TypeScript',
10    '.java': 'Java',
11    '.c': 'C',
12    '.cpp': 'C++',
13    '.cs': 'C#',
14    '.rb': 'Ruby',
15    '.go': 'Go',
16    '.rs': 'Rust',
17    '.php': 'PHP',
18    '.swift': 'Swift',
19    '.kt': 'Kotlin',
20    '.m': 'Objective-C',
21    '.scala': 'Scala',
22    '.sh': 'Shell Script',
23    '.bat': 'Batch Script',
24    '.ps1': 'PowerShell',
25    '.pl': 'Perl',
26    '.r': 'R',

28    # Web & markup
29    '.html': 'HTML',
30    '.htm': 'HTML',
```

31

```
        '.css': 'CSS',
32     '.scss': 'SCSS',
33     '.sass': 'SASS',
34     '.less': 'LESS',
35     '.json': 'JSON',
36     '.xml': 'XML',
37     '.yaml': 'YAML',
38     '.yaml': 'YAML',
39     '.md': 'Markdown',

41     # Config & data
42     '.env': 'Environment Config',
43     '.ini': 'INI Config',
44     '.conf': 'Config',
45     '.cfg': 'Config',
46     '.toml': 'TOML Config',
47     '.gradle': 'Gradle Build File',
48     '.dockerfile': 'Dockerfile',

50     # Text & miscellaneous
51     '.txt': 'Plain Text',
52     '.log': 'Log File',
53     '.csv': 'CSV',
54     '.tsv': 'TSV',
55 }
```

```
58 def output_json(files, output_path):
59     data = []
60     for filename, content in files:
61         ext = os.path.splitext(filename)[1]
62         language = EXTENSION_LANGUAGE_MAP.get(ext)
```



```
        if not language:

65         # Fall back to mimetypes
66         mime_type, _ = mimetypes.guess_type(filename)
67         if mime_type:
68             # Use the subtype (e.g. 'plain' from 'text/plain') or mime_type as fallback
69             language = mime_type.split('/')[1] if '/' in mime_type else mime_type
70         else:
71             language = 'Unknown'

73     data.append({
74         "path": filename,
75         "language": language,
76         "content": content
77     })

79     json_path = output_path.replace(".pdf", ".json")
80     with open(json_path, 'w') as f:
81         json.dump({"files": data}, f, indent=2)

83     print(f" JSON saved to {json_path}")
```

## requirements.txt

Text only • 6 line(s)

```
1 fpdf2
2 GitPython
3 inquirer
4 pathspec
5 pytest
6 pygments>=2.13
```



## setup.py

Python • 17 line(s)

```
1 from setuptools import setup, find_packages

3 setup(
4     name='repo2pdf',
5     version='0.1.0',
6     packages=find_packages(),
7     install_requires=[
8         'fpdf2',
9         'GitPython',
10        'inquirer'
11    ],
12    entry_points={
13        'console_scripts': [
14            'repo2pdf=repo2pdf.cli:main',
15        ],
16    },
17 )
```

## tests/\_\_init\_\_.py

Python • 1 line(s)

## tests/test\_core.py

Python • 86 line(s)

```
1 import os
2 import tempfile
3 from repo2pdf.core import traverse_repo
4 import os
5 import tempfile
6 from repo2pdf.core import process_local_repo

8 def test_traverse_repo_reads_files():
9     with tempfile.TemporaryDirectory() as tmpdir:
10         # Create a dummy file
11         file_path = os.path.join(tmpdir, "test.py")
12         with open(file_path, "w") as f:
13             f.write("print('hello')")

15     files = traverse_repo(tmpdir)

17     assert len(files) == 1
18     assert files[0][0] == "test.py"
19     assert "print('hello')" in files[0][1]

21 def test_traverse_repo_excludes_specified_files():
22     with tempfile.TemporaryDirectory() as tmpdir:
23         # Create two files: one .py and one .png
24         py_path = os.path.join(tmpdir, "test.py")
25         png_path = os.path.join(tmpdir, "image.png")

27         with open(py_path, "w") as f:
28             f.write("print('hello')")

30         with open(png_path, "w") as f:
```

31

```
f.write("binarydata")
```

```
33     from repo2pdf.core import traverse_repo
```

```
34     files = traverse_repo(tmpdir)
```

```
36     # Default traverse_repo (no exclude param) should return both files
```

```
37     assert any(f[0] == "test.py" for f in files)
```

```
39     # Now test excluding .png
```

```
40     files_exclude = traverse_repo(tmpdir, exclude_list=[".png"])
```

```
41     assert any(f[0] == "test.py" for f in files_exclude)
```

```
42     assert not any(f[0] == "image.png" for f in files_exclude)
```

```
44 def test_process_remote_repo_clones_and_generates(monkeypatch):
```

```
45     from repo2pdf.core import process_remote_repo
```

```
46     import tempfile
```

```
47     import os
```

```
49     # Use a very small public GitHub repo for testing
```

```
50     test_repo_url = "https://github.com/octocat/Hello-World.git"
```

```
52     with tempfile.TemporaryDirectory() as tmpdir:
```

```
53         output_path = os.path.join(tmpdir, "output.pdf")
```

```
55     # Monkeypatch os.getcwd to tmpdir so output is saved there
```

```
56     monkeypatch.setattr(os, "getcwd", lambda: tmpdir)
```

```
58     # Run process_remote_repo with delete=True to clean up after test
```

```
59     process_remote_repo(test_repo_url, want_json=True, output_path=output_path, exclude_list=
```

```
59 t=[], delete=True)
```

```
61     assert os.path.exists(output_path)
```

62

```
assert os.path.getsize(output_path) > 0
```

```
64     json_path = output_path.replace(".pdf", ".json")
```

```
65     assert os.path.exists(json_path)
```

```
67 def test_process_local_repo_creates_outputs(monkeypatch):
```

```
68     with tempfile.TemporaryDirectory() as tmpdir:
```

```
69         # Create a dummy local repo file
```

```
70         file_path = os.path.join(tmpdir, "test.py")
```

```
71         with open(file_path, "w") as f:
```

```
72             f.write("print('hello')")
```

```
74     output_path = os.path.join(tmpdir, "repo_output.pdf")
```

```
76     # Monkeypatch os.getcwd to tmpdir so outputs are saved there
```

```
77     monkeypatch.setattr(os, "getcwd", lambda: tmpdir)
```

```
79     # Run process_local_repo with JSON generation
```

```
80     process_local_repo(tmpdir, want_json=True)
```

```
82     assert os.path.exists(output_path)
```

```
83     assert os.path.getsize(output_path) > 0
```

```
85     json_path = output_path.replace(".pdf", ".json")
```

```
86     assert os.path.exists(json_path)
```

## tests/test\_pdf.py

Python • 13 line(s)

```
1 import os
2 import tempfile
3 from repo2pdf.pdf import generate_pdf

5 def test_generate_pdf_creates_file():
6     with tempfile.TemporaryDirectory() as tmpdir:
7         output_path = os.path.join(tmpdir, "output.pdf")
8         files = [("test.py", "print('hello')")]

10         generate_pdf(files, output_path)

12         assert os.path.exists(output_path)
13         assert os.path.getsize(output_path) > 0
```

## tests/test\_utils.py

Python • 20 line(s)

```
1 import os
2 import tempfile
3 import json
4 from repo2pdf.utils import output_json

6 def test_output_json_creates_valid_file():
7     with tempfile.TemporaryDirectory() as tmpdir:
8         output_path = os.path.join(tmpdir, "output.pdf")
9         files = [("test.py", "print('hello')")]

11        output_json(files, output_path)

13        json_path = output_path.replace(".pdf", ".json")
14        assert os.path.exists(json_path)

16        with open(json_path) as f:
17            data = json.load(f)
18            assert "files" in data
19            assert data["files"][0]["path"] == "test.py"
20            assert "print('hello')" in data["files"][0]["content"]
```



# Appendix: Skipped & condensed

**Skipped (gitignored)**

140

**Skipped (excluded dirs)**

98

**Skipped (manual excludes)**

0

**Skipped (binary by extension)**

6

**Skipped (binary by magic/heuristic)**

2

**Skipped (too large)**

0

**Read/decoding errors**

0

**Packed small files (co-located per page)**

0