

repo2pdf - repo2pdf

/Users/harissujethan/Desktop/repo2pdf

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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
```

```
63
```

```
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)

[illegible]



```
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]]:
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):
96 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)
223 _render(tmp_path, output_path, exclude_list, repo_url=url, want_json=want_json)
```

## repo2pdf/pdf.py

Python • 767 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 # -----
```

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

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



```

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

```

```

50 def normalize_text_for_pdf(s: str) -> str:
51 s = (s or "").replace("\uFE0F", "") # strip variation selector
52 for k, v in CHAR_MAP.items():
53 s = s.replace(k, v)
54 return s

```

```

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

```

```

63 class RepoPDF(FPDF):
64 """FPDF renderer with a cover, ToC at start, text Overview, and per-file sections."""

```

```

66 def __init__(self, meta: PDFMeta):
67 super().__init__(orientation="P", unit="mm", format="A4")
68 # Reduced bottom margin from 16 to 10 for tighter spacing
69 self.set_auto_page_break(auto=True, margin=10)
70 self.meta = meta
71 self._toc: List[Tuple[str, int, int]] = [] # (label, level, page)
72 self._links: Dict[str, int] = {}
73 self._toc_reserved_page: Optional[int] = None
74 # Header state (per page)
75 self._hdr_path: str = meta.title
76 self._hdr_lang: str = ""
77 self._hdr_lines: Optional[int] = None
78 self._register_fonts()
79 self._set_doc_info()

```

```

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

```

```

94 def _set_doc_info(self):
95 self.set_title(self.meta.title)
96 if self.meta.subtitle:
97 self.set_subject(self.meta.subtitle)
98 if self.meta.repo_url:
99 self.set_author(self.meta.repo_url)
100 self.set_creator("repo2pdf")

```

```

102 # ----- Header / Footer -----
103 def header(self):
104 # Header line + context
105 self.set_font("DejaVu", size=9)
106 self.set_text_color(60)
107 self.set_x(self.l_margin)

```

```

109 # Trim path to available width
110 right_part = ""
111 if self._hdr_lang or self._hdr_lines is not None:
112 parts = [p for p in [self._hdr_lang, f"{self._hdr_lines} lines" if self._hdr_lines
112 else None] if p]
113 right_part = " • ".join(parts)
114 max_w = self.w - self.l_margin - self.r_margin

```

```

116 left_txt = normalize_text_for_pdf(self._hdr_path)
117 if right_part:
118 # reserve space for right_part
119 rp_w = self.get_string_width(" " + right_part)

```

```

120 avail = max_w - rp_w
121 # elide left if too long
122 while self.get_string_width(left_txt) > avail and len(left_txt) > 4:
123 left_txt = "..." + left_txt[1:]
124 self.cell(avail, 6, left_txt, ln=0, align="L")
125 # right-aligned meta
126 self.set_xy(self.w - self.r_margin - rp_w, self.get_y())
127 self.cell(rp_w, 6, right_part, ln=1, align="R")
128 else:
129 self.cell(0, 6, left_txt, ln=1, align="L")

```

```

131 self.set_draw_color(220)
132 self.set_line_width(0.2)
133 y = self.get_y()
134 self.line(self.l_margin, y, self.w - self.r_margin, y)
135 # Reduced from ln(2) to ln(1)
136 self.ln(1)
137 self.set_text_color(0)

```

```

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

```

```

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

```

```

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

```

```

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

```

```
160 self._hdr_lines = None

162 def add_page():
163 self.set_font("DejaVu", "B", 22)
164 self.ln(25) # Reduced from 30
165 self._safe_multicell(normalize_text_for_pdf(self.meta.title), line_h=12)
166 self.ln(3) # Reduced from 4
167 self.set_font("DejaVu", size=12)
168 sub = self.meta.subtitle or "Repository to PDF"
169 self._safe_multicell(normalize_text_for_pdf(sub), line_h=8)
170 self.ln(3) # Reduced from 4
171 if self.meta.repo_url:
172 url = normalize_text_for_pdf(self.meta.repo_url)
173 self.set_text_color(60, 90, 200)
174 self.set_x(self.l_margin)
175 self.cell(self._page_width_available(), 8, url, align="C", ln=1, link=self.meta.repo_url)
176 self.set_text_color(0)
177 self.ln(4) # Reduced from 6
178 when = (self.meta.generated_at or datetime.utcnow()).strftime("%Y-%m-%d %H:%M UTC")
179 self.set_text_color(120)
180 self.set_x(self.l_margin)
181 self.cell(self._page_width_available(), 8, f"Generated {when}", align="C")
182 self.set_text_color(0)

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

191 def add_page():
192 self._toc_reserved_page = self.page_no()

194 def render_toc_on_reserved_page(self):
195 if not self._toc_reserved_page:
196 return
197 # Jump to the reserved page and render
198 current_page = self.page_no()
```

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

201 self.page = self._toc_reserved_page
202 self.set_xy(self.l_margin, self.t_margin)

204 self.set_font("DejaVu", "B", 16)
205 self._safe_multicell("Table of Contents", line_h=10)
206 self.ln(1) # Reduced from 2

208 # Guard: don't let ToC overflow this single page (truncate gracefully)
209 bottom_limit = self.h - self.b_margin
210 self.set_font("DejaVu", size=11)
211 truncated = False
212 for label, level, page in self._toc:
213 if self.get_y() + 8 > bottom_limit:
214 truncated = True
215 break
216 indent = " " * level
217 text = f"{indent}{normalize_text_for_pdf(label)}"
218 link_id = self._links.get(label)
219 y_before = self.get_y()
220 self.set_x(self.l_margin)
221 self.cell(self._page_width_available(), 7, text, ln=0, link=link_id)
222 self.set_xy(self.l_margin, y_before)
223 self.cell(self._page_width_available(), 7, str(page), align="R", ln=1)

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

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

234 def toc_add(self, label: str, level: int = 0):
235 self._toc.append((label, level, self.page_no()))
236 # Internal link target bookkeeping
237 try:
238 link_id = self.add_link()
```

```

239 self._links[label] = link_id
240 self.set_link(link_id, y=self.get_y(), page=self.page_no())
241 except Exception:
242 pass

```

```

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

```

```

252 self.add_page()
253 title = "Overview"
254 self.set_font("DejaVu", "B", 16)
255 self._safe_multicell(title, line_h=10)
256 self.ln(0.5) # Reduced from 1
257 self.toc_add(title, level=0)

```

```

259 self.set_font("DejaVu", size=11)
260 line_h = 5.5 # Reduced from 6

```

```

262 def p(text: str = ""):
263 self._safe_multicell(normalize_text_for_pdf(text), line_h=line_h)
264 if text:
265 self.ln(0.2) # Add minimal spacing only for non-empty text

```

```

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

```

```

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

```

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

```
288 if features:
289 self.ln(0.6) # Reduced from 1
290 self.set_font("DejaVu", "B", 12)
291 p("Key Features")
292 self.set_font("DejaVu", size=11)
293 for f in features[:8]:
294 bullet(str(f))
```

```
296 if usage:
297 self.ln(0.6) # Reduced from 1
298 self.set_font("DejaVu", "B", 12)
299 p("Quick Usage")
300 self.set_font("DejaVuMono", size=10)
301 self._safe_multicell(str(usage), line_h=5) # Reduced from 5.5
302 self.set_font("DejaVu", size=11)
```

```
304 if exts:
305 self.ln(0.6) # Reduced from 1
306 self.set_font("DejaVu", "B", 12)
307 p("Files & Languages")
308 self.set_font("DejaVu", size=11)
309 for ext, cnt in exts[:8]:
310 bullet(f"{ext} - {cnt} file(s)")
311 bullet(f"Total files: {total_files}")
```

```
313 if deps:
314 self.ln(0.6) # Reduced from 1
315 self.set_font("DejaVu", "B", 12)
316 p("Dependencies")
317 self.set_font("DejaVu", size=11)
318 for d in deps[:12]:
```

```
319 bullet(d)
```

```
321 # ---- Code rendering with native syntax highlighting, background, line numbers
322 def _ensure_lexer(self, rel_path: str, content: str):
323 try:
324 return get_lexer_for_filename(rel_path, stripnl=False)
325 except Exception:
326 try:
327 return guess_lexer(content)
328 except Exception:
329 return TextLexer()
```

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

```
346 self.set_font("DejaVuMono", size=font_size)
347 # Reduced line height for tighter spacing
348 line_h = max(4.0, font_size * 0.38 + 3.2)
```

```
350 # Layout geometry
351 left_x = self.l_margin
352 right_x = self.w - self.r_margin
353 bottom_limit = self.h - self.b_margin
354 lines_total = (content.count("\n") + 1) if content else 1
```

```
356 gutter_w = (self.get_string_width(str(lines_total)) + 4) if line_numbers else 0.0
357 code_x = left_x + gutter_w
```



```

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

```

```

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

```

```

376 def ensure_band_and_gutter():
377 """Draw background + gutter only once, right before first text on the visual line.

```

```

379 IMPORTANT: Guard against page bottom *before* drawing anything to avoid blank page
379 s.
380 """
381 nonlocal drew_band_this_line, wrote_line_number, at_line_start
382 if drew_band_this_line:
383 return
384 y = self.get_y()
385 # If not enough space for this line, force a page break first
386 if y + line_h > bottom_limit:
387 # Explicitly add a page so the band/text draw on the *new* page
388 self.add_page()
389 # Reset per-line state at new page top
390 at_line_start = True
391 drew_band_this_line = False
392 wrote_line_number = False
393 y = self.get_y()

```

```

395 # Draw band
396 self.set_fill_color(248, 248, 248)
397 self.rect(left_x, y, right_x - left_x, line_h, style="F")

```

```
398 # Gutter
399 if line_numbers and not wrote_line_number:
400 self.set_text_color(150, 150, 150)
401 self.set_xy(left_x, y)
402 self.cell(gutter_w, line_h, str(cur_line_no).rjust(len(str(lines_total))), align="R")
403 wrote_line_number = True
```

```
405 # Move to code start
406 self.set_xy(code_x, y)
407 drew_band_this_line = True
```

```
409 # Begin at current Y; do not pre-draw anything
410 if at_line_start:
411 # just position cursor at code area before first text
412 self.set_x(code_x)
```

```
414 # Render each logical line with wrapping
415 for logical_line in (content.splitlines(True) or [""]):
416 pieces = list.lex(logical_line, lexer)
```

```
418 for tok_type, txt in pieces:
419 # Split into printable and whitespace chunks to allow wrapping at spaces
420 for chunk in re.split(r"(\s+)", txt):
421 if chunk == "":
422 continue
423 if chunk == "\n":
424 # finish logical line: advance to next visual line as a new logical line
425 start_new_visual_line(new_logical=True)
426 continue
```

```
428 # We are about to print something: ensure band & gutter once
429 ensure_band_and_gutter()
430 at_line_start = False
```

```
432 # Soft wrap if needed
433 piece = chunk
434 while piece:
435 available = right_x - self.get_x()
```

```

436 piece_w = self.get_string_width(piece)

438 if piece_w <= available:
439 r, g, b = _rgb_for(tok_type)
440 self.set_text_color(r, g, b)
441 self.cell(piece_w, line_h, piece, ln=0)
442 piece = ""
443 else:
444 # Need to break piece - largest prefix that fits
445 lo, hi = 0, len(piece)
446 while lo < hi:
447 mid = (lo + hi + 1) // 2
448 if self.get_string_width(piece[:mid]) <= available:
449 lo = mid
450 else:
451 hi = mid - 1
452 prefix = piece[:lo] if lo > 0 else ""
453 rest = piece[lo:] if lo < len(piece) else ""
454 if prefix:
455 r, g, b = _rgb_for(tok_type)
456 self.set_text_color(r, g, b)
457 self.cell(self.get_string_width(prefix), line_h, prefix, ln=0)
458 # move to next visual line (continuation, same logical line number
459)
460 start_new_visual_line(new_logical=False)
461 ensure_band_and_gutter()
462 piece = rest

```

```

463 # NOTE: Removed the unconditional advance for non-terminated lines.
464 # Previously this could contribute to stray blank lines/pages at boundaries.

```

```

466 # Reset color
467 self.set_text_color(0, 0, 0)

```

```

469 def _detect_language_label(self, rel_path: str, content: str) -> str:
470 # Try pygments lexer name
471 try:
472 lexer = get_lexer_for_filename(rel_path, stripnl=False)
473 return getattr(lexer, "name", "Text")
474 except Exception:

```

```

475 try:
476 lexer = guess_lexer(content)
477 return getattr(lexer, "name", "Text")
478 except Exception:
479 # Fall back to extension
480 ext = os.path.splitext(rel_path)[1].lower() or "(no ext)"
481 return {"": "Text"}.get(ext, ext or "Text")

```

```

483 def _estimate_block_height(self, line_count: int, font_size: int = 9) -> float:
484 """Rough height estimate for small-file packing (title + meta + lines)."""
485 title_h = 8.0 # Reduced from 9.0
486 meta_h = 5.0 # Reduced from 5.5
487 line_h = max(4.0, font_size * 0.38 + 3.2)
488 return title_h + 0.5 + meta_h + 0.5 + line_count * line_h + 1

```

```

490 def _set_header_context(self, path: str, lang: str, lines: int):
491 self._hdr_path = path
492 self._hdr_lang = lang
493 self._hdr_lines = lines

```

```

495 def add_file_section(self, rel_path: str, content: str, *, force_new_page: bool = True):
496 """Render a file. If force_new_page=False we try to keep adding on the same page."""
497 # Body (code with native highlighting)
498 content = normalize_text_for_pdf(content)
499 # Safety: soft-wrap pathological long lines before rendering
500 if content and len(max(content.splitlines() or [""], key=len)) > 2000:
501 content = "\n".join(_soft_wrap(line, width=200) for line in content.splitlines())

```

```

503 lang = self._detect_language_label(rel_path, content)
504 line_count = content.count("\n") + (1 if content and not content.endswith("\n") else 0
504)
505 line_count = max(1, line_count)

```

```

507 # Page decision for small files
508 est_h = self._estimate_block_height(min(line_count, 40))
509 bottom_limit = self.h - self.b_margin
510 need_new_page = force_new_page or (self.get_y() + est_h > bottom_limit)

```

```

512 if need_new_page:
513 # Update header state for this page

```

```

514 self._set_header_context(rel_path, lang, line_count)
515 self.add_page()
516 else:
517 # Update header context to reflect the first file on this page
518 if self.page_no() == 0:
519 self.add_page()
520 if self._hdr_path == self.meta.title:
521 self._set_header_context(rel_path, lang, line_count)

```

```

523 # File title
524 self.set_font("DejaVu", "B", 14)
525 self._safe_multicell(normalize_text_for_pdf(rel_path), line_h=8) # Reduced from 9

```

```

527 # File meta line: language + line count
528 self.set_font("DejaVu", size=9)
529 self.set_text_color(110)
530 meta_line = f"{lang} • {line_count} line(s)"
531 self._safe_multicell(meta_line, line_h=5) # Reduced from 5.5
532 self.set_text_color(0)
533 self.ln(0.4) # Reduced from 1

```

```

535 # ToC + link
536 self.toc_add(rel_path, level=0)

```

```

538 # Code
539 self._write_code_with_highlighting(rel_path, content, line_numbers=True, font_size=9)

```

```

541 # ----- Appendix -----
542 def add_appendix(self, summary: Optional[Dict[str, Any]]):
543 if not summary:
544 return

```

```

546 self._hdr_path = "Appendix"
547 self._hdr_lang = ""
548 self._hdr_lines = None

```

```

550 self.add_page()
551 self.set_font("DejaVu", "B", 16)
552 self._safe_multicell("Appendix: Skipped & condensed", line_h=10)
553 self.ln(1) # Reduced from 2

```

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

```
556 def row(label: str, value: Any):
557 self.set_font("DejaVu", "B", 11)
558 self._safe_multicell(label, line_h=5.5) # Reduced from 6
559 self.set_font("DejaVu", size=11)
560 self._safe_multicell(str(value), line_h=5.5) # Reduced from 6
561 self.ln(0.3) # Reduced from 1
```

```
563 counts = summary.get("counts", {})
564 notes = summary.get("notes", [])
565 packed = summary.get("packed_small_files", 0)
```

```
567 row("Skipped (gitignored)", counts.get("gitignored", 0))
568 row("Skipped (excluded dirs)", counts.get("excluded_dir", 0))
569 row("Skipped (manual excludes)", counts.get("manual_exclude", 0))
570 row("Skipped (binary by extension)", counts.get("binary_ext", 0))
571 row("Skipped (binary by magic/heuristic)", counts.get("binary_magic", 0))
572 row("Skipped (too large)", counts.get("too_large", 0))
573 row("Read/decoding errors", counts.get("read_errors", 0))
574 row("Packed small files (co-located per page)", packed)
```

```
576 if notes:
577 self.ln(1) # Reduced from 2
578 self.set_font("DejaVu", "B", 12)
579 self._safe_multicell("Notes", line_h=6) # Reduced from 7
580 self.set_font("DejaVu", size=11)
581 for n in notes:
582 self._safe_multicell(f"• {n}", line_h=5.5) # Reduced from 6
```

```
584 # -----
585 # Public API
586 # -----
```

```
588 def generate_pdf(
589 files: Iterable[Tuple[str, str]],
590 output_path: str,
591 meta: Optional[PDFMeta] = None,
592 summary: Optional[Dict[str, Any]] = None,
593) -> str:
```

```
594 """
595 Generate a polished PDF from an iterable of (relative_path, content).

597 Adds:
598 - Cover
599 - Table of Contents (at the start; one page, truncated if needed)
600 - Text Overview section (LLM + human friendly)
601 - File sections (syntax-highlighted, small-file packing)
602 - Appendix with skip/condense summary
603 """
604 meta = meta or PDFMeta(title="Repository Export", generated_at=datetime.utcnow())
605 files = list(files) # iterate twice safely
606 pdf = RepoPDF(meta)

608 # 1) Cover
609 pdf.add_cover()

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

614 # 3) Overview
615 overview = _build_overview_data(files, meta)
616 pdf.add_overview_section(overview)

618 # 4) Sections with small-file packing
619 SMALL_LINE_THRESHOLD = 40 # Increased from 30 to pack more files together
620 current_page_small_lines = 0
621 for rel_path, content in files:
622 # Safety for pathological lines (still soft wrap later)
623 if content and len(max(content.splitlines() or [""], key=len)) > 4000:
624 content = "\n".join(_soft_wrap(line, width=200) for line in content.splitlines())

626 line_count = content.count("\n") + (1 if content and not content.endswith("\n") else 0
626)
627 line_count = max(1, line_count)

629 if line_count <= SMALL_LINE_THRESHOLD:
630 # Try to keep adding on same page until space runs out
631 pdf.add_file_section(rel_path, content, force_new_page=False)
632 current_page_small_lines += line_count
```

```

633 else:
634 # Large file: force a new page
635 current_page_small_lines = 0
636 pdf.add_file_section(rel_path, content, force_new_page=True)

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

```

```

641 # 6) Appendix
642 pdf.add_appendix(summary)

```

```

644 # 7) Save
645 os.makedirs(os.path.dirname(output_path) or ".", exist_ok=True)
646 pdf.output(output_path)
647 return output_path

```

```

649 # -----
650 # Helpers
651 # -----

```

```

653 def _soft_wrap(line: str, width: int) -> str:
654 if len(line) <= width:
655 return line
656 return "\n".join(line[i:i+width] for i in range(0, len(line), width))

```

```

658 def _strip_readme_images(text: str) -> str:
659 # Remove markdown image syntax ![alt](url) and HTML tags
660 text = re.sub(r"!\[^\]]*\]\([^\)]+\)", "", text)
661 text = re.sub(r"<img\s+[>]*>", "", text, flags=re.IGNORECASE)
662 return text

```

```

664 def _build_overview_data(files: List[Tuple[str, str]], meta: PDFMeta) -> Dict[str, object]:
665 """
666 Build a compact, LLM-friendly + human-friendly overview using repo content:
667 - Name, purpose (from README if present)
668 - Headline features (from README bullets)
669 - Usage (from README or CLI hints)
670 - Language & file stats
671 - Dependencies (requirements.txt, pyproject)
672 """

```



```

673 file_map: Dict[str, str] = {p.lower(): c for p, c in files}

675 # README
676 readme_name = next((p for p, _ in files if os.path.basename(p).lower() in {"readme.md", "r
676 eadme"}), None)
677 readme = file_map.get(readme_name.lower(), "") if readme_name else ""
678 readme = _strip_readme_images(readme)

680 title = meta.title or "Repository"
681 subtitle = meta.subtitle or ""

683 # Description: first paragraph of README (strip headings)
684 desc = ""
685 if readme:
686 text = re.sub(r"^\#{1,6}\s+.*$", "", readme, flags=re.MULTILINE).strip()
687 parts = [p.strip() for p in text.split("\n\n") if p.strip()]
688 if parts:
689 desc = parts[0][:800]

691 # Features: README bullet list (first 5-8)
692 features: List[str] = []
693 if readme:
694 for line in readme.splitlines():
695 if re.match(r"^\s*[-*]\s+", line):
696 features.append(re.sub(r"^\s*[-*]\s+", "", line).strip())
697 if len(features) >= 8:
698 break

700 # Usage: a code snippet containing 'repo2pdf'
701 usage = ""
702 if readme:
703 m = re.search(r"```(?:bash|sh)?\s*([^\n`]*repo2pdf[^\n`]*\n(?:.*?\n)*```", readme, flag
703 s=re.IGNORECASE)
704 if m:
705 usage = m.group(1).strip()
706 if not usage:
707 usage = "repo2pdf # Follow interactive prompts"

709 # Language & file stats
710 from collections import Counter

```

```
711 ext_counts = Counter()
712 for p, _ in files:
713 ext = os.path.splitext(p)[1].lower() or "(no ext)"
714 ext_counts[ext] += 1
715 top_exts = sorted(ext_counts.items(), key=lambda kv: kv[1], reverse=True)[:8]
716 file_count = sum(ext_counts.values())
```

```
718 # Dependencies
719 deps: List[str] = []
720 req = file_map.get("requirements.txt", "")
721 if req:
722 for line in req.splitlines():
723 line = line.strip()
724 if line and not line.startswith("#"):
725 deps.append(line)
726 pyproject = file_map.get("pyproject.toml", "")
727 if pyproject and not deps:
728 for name in ("fpdf2", "GitPython", "inquirer", "pathspec", "pygments", "pytest"):
729 if name in pyproject and name not in deps:
730 deps.append(name)
```

```
732 return {
733 "title": title,
734 "subtitle": subtitle,
735 "description": desc,
736 "features": features,
737 "usage": usage,
738 "ext_counts": top_exts,
739 "total_files": file_count,
740 "dependencies": deps,
741 }
```

```
743 # --- token color theme -----
```

```
745 # Simple light theme for tokens (tweak as you like)
746 THEME = {
747 Token.Comment: (120, 120, 120),
748 Token.Keyword: (170, 55, 140),
749 Token.Keyword.Namespace: (170, 55, 140),
750 Token.Name.Function: (30, 120, 180),
```

```
751 Token.Name.Class: (30, 120, 180),
752 Token.Name.Decorator: (135, 110, 180),
753 Token.String: (25, 140, 65),
754 Token.Number: (190, 110, 30),
755 Token.Operator: (90, 90, 90),
756 Token.Punctuation: (90, 90, 90),
757 Token.Name.Builtin: (30, 120, 180),
758 Token.Name.Variable: (0, 0, 0),
759 Token.Text: (0, 0, 0),
760 }
```

```
762 def _rgb_for(tok_type):
763 # Find first mapping that contains this token type, else default black
764 for t, rgb in THEME.items():
765 if tok_type in t:
766 return rgb
767 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 '.yml': '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)
```

```
64 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=[], 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)**

162

**Skipped (excluded dirs)**

112

**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