

PDF-RS Full Feature Showcase

This document exercises every supported element type in the pdf-rs library.

Text Formatting

Regular paragraph with plain text content that spans multiple words.

This paragraph contains bold text, italic text, and bold italic together. It also has inline code and strikethrough text.

Lists

Unordered Lists

- â¢ First item at depth zero
- â¢ Second item at depth zero
 - â¢ Nested item at depth one
 - â¢ Another nested item
 - â¢ Deep nested item at depth two
- â¢ Back to depth zero

Ordered Lists

1. First numbered item
2. Second numbered item
3. Third numbered item

Task Lists

- [x] Completed task one
- [x] Completed task two
- [] Pending task three
- [] Pending task four

Code Blocks

Here is a Rust code example:

```
fn fibonacci(n: u64) -> u64 {  
    match n {  
        0 => 0,  
        1 => 1,  
        _ => fibonacci(n - 1) + fibonacci(n - 2),  
    }  
}  
  
fn main() {  
    for i in 0..10 {  
        println!("fib({}) = {}", i, fibonacci(i));  
    }  
}
```

And a Python example:

```
def quicksort(arr):  
    if len(arr) <= 1:  
        return arr  
    pivot = arr[len(arr) // 2]  
    left = [x for x in arr if x < pivot]  
    middle = [x for x in arr if x == pivot]  
    right = [x for x in arr if x > pivot]  
    return quicksort(left) + middle + quicksort(right)  
  
print(quicksort([3, 6, 8, 10, 1, 2, 1]))
```

Tables

Feature	Status	Priority
PDF Generation	Done	High
Text Extraction	Done	High
Image Support	Done	Medium
Watermarks	Done	Low

Blockquotes

- > This is a simple blockquote with important information.
- > First level quote
 - >> Nested quote inside the first
 - >>> Triple nested quote for emphasis

Definition Lists

Rust

A systems programming language focused on safety and performance

PDF

Portable Document Format, a file format for presenting documents

API

Application Programming Interface

Footnotes

This document demonstrates footnote support(1). Multiple footnotes can be used throughout the text(2).

[1] This is the first footnote with detailed explanation.

[2] This is the second footnote referencing additional material.

Links and Images

[Visit the Rust website \(<https://www.rust-lang.org>\)](https://www.rust-lang.org)

[PDF Specification \(\[https://www.adobe.com/devnet/pdf/pdf_reference.html\]\(https://www.adobe.com/devnet/pdf/pdf_reference.html\)\)](https://www.adobe.com/devnet/pdf/pdf_reference.html)

[Image: Rust Logo] ([images/rust-logo.png](#))

[Image: PDF Icon] ([images/pdf-icon.svg](#))

Horizontal Rules

Content above the rule.

Content below the rule.

Another section after a different rule style.

Page Breaks

This content appears before the page break.

This content appears on a new page after the break.

Mixed Content Section

Here is a complex section combining multiple elements:

1. Step One: Initialize the project
 - â¢ Create directory structure
 - â¢ Set up dependencies
2. Step Two: Implement core features
 - â¢ PDF parsing engine
 - â¢ Content stream builder
3. Step Three: Add tests
 - â¢ Unit tests for each module
 - â¢ Integration tests for workflows

> Note: Always run cargo test before committing changes.

Module	Tests	Coverage
pdf.rs	18	85%
elements.rs	22	92%
pdf_generator.rs	15	78%
pdf_ops.rs	20	88%

```
cargo test --all  
cargo build --release  
.target/release/pdf-cli md-to-pdf examples/full_features.md output.pdf
```

Summary

This document has demonstrated all 17 element types supported by pdf-rs:

- [x] Heading (H1 through H3)
- [x] Paragraph
- [x] UnorderedListItem (with nesting)

- [x] **OrderedListItem**
- [x] **TaskListItem (checked and unchecked)**
- [x] **CodeBlock (multiple languages)**
- [x] **TableRow (with alignment)**
- [x] **BlockQuote (with nesting)**
- [x] **DefinitionItem**
- [x] **Footnote**
- [x] **Link**
- [x] **Image**
- [x] **HorizontalRule**
- [x] **PageBreak**
- [x] **EmptyLine**

[1] First footnote definition.

[2] Second footnote definition.