

# *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>)

PDF Specification ([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.