

Producción gráfica de documentos académicos con Pandoc

Abstract

Pandoc como entorno textutal de producción de documentos académicos. El texto plano beneficia a todos los usuarios, deben poder encontrar lo que necesitan, comprender lo que encuentran y usarlo para realizar tareas.

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1 Producción gráfica de documentos académicos con Pandoc

El presente documento propone el uso de Pandoc como entorno puramente textual de producción gráfica de documentos académicos ó de alta complejidad [1]. El texto plano beneficia a todos los usuarios, deben poder encontrar lo que necesitan, comprender lo que encuentran y usarlo para realizar tareas [2].

2 Pandoc

Powerful, extensible, and feature-packed academic publishing toolkit. Build and customize with Pandoc, utilize prebuilt a typesetting system (TeX) and components, and bring projects to life with powerful filters.

2.1 Generar PDF

```
pandoc README.md --mathjax \  
-F pandoc-crossref -F mermaid-filter --citeproc \  
--template=plantilla --pdf-engine-opt=-shell-escape \  
-s --toc --toc-depth=3 --number-sections --columns=80 \  
-o README.pdf
```

```
# ó  
make pdf
```

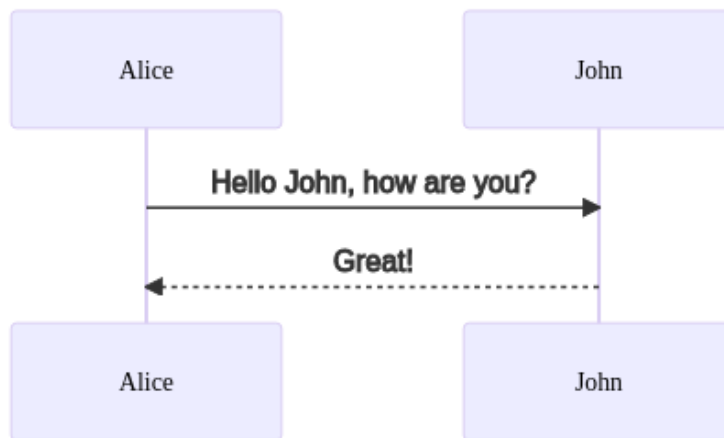
3 Citas y referencias bibliográficas

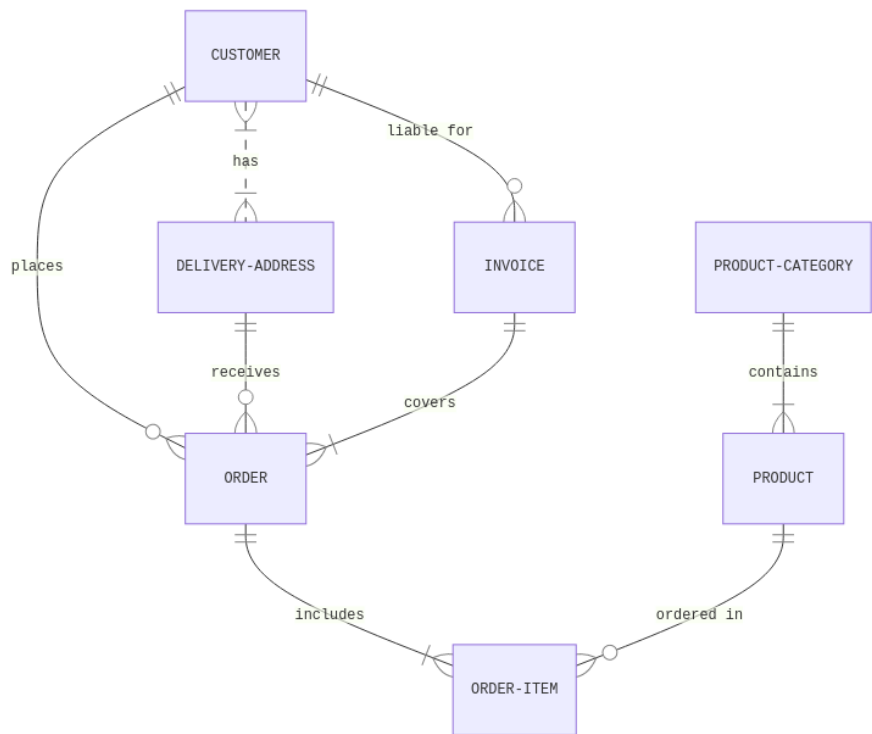
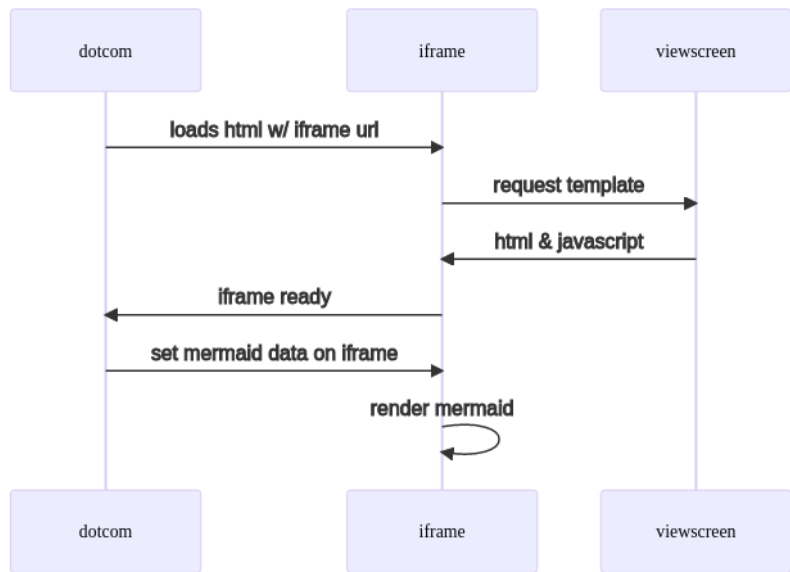
Este es el ejemplo de referencia [3].

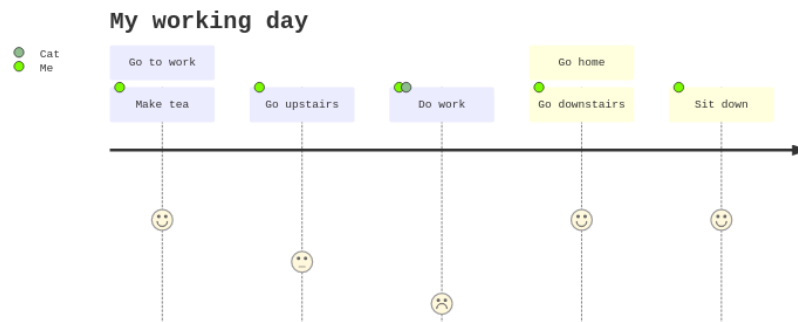
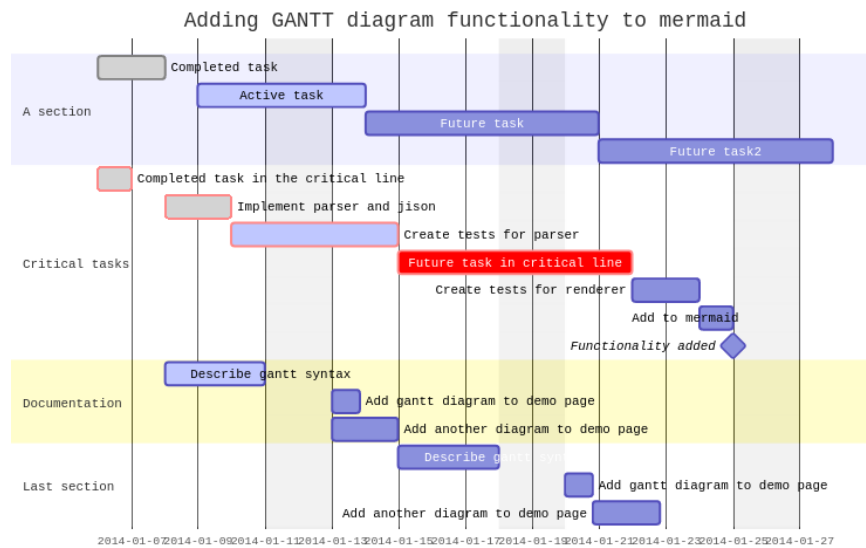
Una referencia con paginas [4, pp. 12–23].

4 Gráficos y diagramas

```
~~~mermaid
sequenceDiagram
    Alice->>John: Hello John, how are you?
    John-->>Alice: Great!
~~~
```







4.1 MathJax

When $a \neq 0$, there are two solutions to $(ax^2 + bx + c = 0)$ and they are

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}.$$

5 Markdown

This Markdown cheat sheet provides a quick overview of all the Markdown syntax elements. It can't cover every edge case, so if you need more information about any of these elements, refer to the reference guides for basic syntax and extended syntax.

5.1 Basic Syntax

These are the elements outlined in John Gruber's original design document. All Markdown applications support these elements.

5.1.1 Heading

6 H1

6.1 H2

6.1.1 H3

6.1.2 Bold

bold text

6.1.3 Italic

italicized text

6.1.4 Blockquote

blockquote

6.1.5 Ordered List

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

6.1.6 Unordered List

- First item
- Second item
- Third item

6.1.7 Code

code

6.1.8 Horizontal Rule

6.1.9 Link

Markdown Guide

6.1.10 Image



Figure 1: alt text

6.2 Extended Syntax

These elements extend the basic syntax by adding additional features. Not all Markdown applications support these elements.

6.2.1 Table

Syntax	Description
Header	Title
Paragraph	Text

6.2.2 Fenced Code Block

```
https://pandoc.org/MANUAL.html#fenced-code-blocks
```

```
https://pandoc.org/MANUAL.html#syntax-highlighting
```

```
pandoc --print-highlight-style pygments > my.theme
```

```
{
  "firstName": "John",
  "lastName": "Smith",
  "age": 25
}
```

6.2.3 Footnote

Here's a sentence with a footnote. ¹

6.2.4 Heading ID

6.2.5 My Great Heading

6.2.6 Definition List

term definition

6.2.7 Strikethrough

~~The world is flat.~~

6.2.8 Task List

- ☒ Write the press release
- ☐ Update the website
- ☐ Contact the media

6.2.9 Emoji

That is so funny! :joy:

(See also Copying and Pasting Emoji)

6.2.10 Highlight

I need to highlight these ==very important words==.

6.2.11 Subscript

H₂O

6.2.12 Superscript

X²

¹This is the footnote.

Referencias

- [1] W. Caleb McDaniel, “Why (and how) i wrote my academic book in plain text – w. Caleb McDaniel,” *W. Caleb McDaniel*. Disponible: <http://wcaleb.org/blog/my-academic-book-in-plain-text>
- [2] D. A. S. U. Harvard, “Use plain language,” *Digital Accessibility*. Digital Accessibility Services. Disponible: accessibility.huit.harvard.edu/use-plain-language
- [3] B. Moolenaar, “Seven habits of effective text editing,” 2000. mooleenaar.net/habits.html
- [4] D. E. Knuth, D. Knuth, and D. Bibby, *The TeXbook*. Addison-Wesley, 1986. Disponible: www-cs-faculty.stanford.edu/~knuth/abcde.html