Linguagem de Marcação

"A **markup language** is a system for annotating a document in a way that is syntactically distinguishable from the text"

–Merriam-Webster Dictionary

Lorem ipsum dolor

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Como podemos marcar o Título no texto?

Lorem ipsum dolor

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Lorem ipsum dolor

Markdown (.md)

Estruturas	.md
Título	#
Parágrafo	quebra linha
Itálico	*
Negrito	**

Markdown (.md)

```
# Lorem ipsum dolor

*Lorem* ipsum **dolor** sit amet, consectetur
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veniam, quis nostrud exercitation ullamco laboris
nisi ut aliquip ex ea commodo consequat. Duis aute
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cillum dolore eu fugiat nulla pariatur. Excepteur
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qui officia deserunt mollit anim id est laborum.
```

markdown-preview-plus

Markdown Preview + Community Features

#markdown   #maths   #latex   #commonmark   #pandoc

atom-community   2.4.9   188,581   ★   369

📖 Repo	🐞 Bugs	▥ Versions	⚖ License

⊘ Flag as spam or malicious

Markdown Preview Plus (MPP)

`appveyor passing`   `travis passing`   `apm v2.4.9`   `downloads 188k`

Markdown Preview Plus (MPP) is a fork of Markdown Preview that provides a real-time preview of markdown documents.

Should you have any problems while installing or using MPP please open up a new issue.

CommonMark Spec

Version 0.27 (2016-11-18)
John MacFarlane

http://spec.commonmark.org/0.27/

Como podemos marcar o Título no texto?

Lorem ipsum dolor

Como podemos marcar o Título no texto?

\section*{ Lorem ipsum dolor}

Como podemos marcar o Título no texto?

Lorem ipsum dolor

LaTeX (.tex)

Estruturas	.md	.tex
Título	#	\section*
Parágrafo	quebra linha	quebra linha
Itálico	*	\textit
Negrito	**	\textbf

LaTeX (.tex)

`\section`*{Lorem ipsum dolor}

`\textit`{Lorem} ipsum `\textbf`{dolor} sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

https://www.overleaf.com/9385056rmtvknmdwshj

The LaTeX Project

Home About Get LaTeX3 Publications Help News

LaTeX – A document preparation system

LaTeX is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. LaTeX is the de facto standard for the communication and publication of scientific documents. LaTeX is available as free software.

Recent News

Apr 16, 2017
New LaTeX release --- Issue 27 of LaTeX2e news released

Mar 9, 2017
New snapshot (SVN 6984) of LaTeX3 code released to CTAN

Mar 8, 2017
Videos from the 2016 TUG conference

All News · Subscribe to our 🔊 RSS News Feed

LaTeX the product

Introduction

Short introduction to LaTeX. Learn what LaTeX is, which features it has, and how it works.

Getting LaTeX

Learn how and where to get LaTeX for Linux, Mac OS X, Windows and Online.

The LaTeX3 Project

LaTeX3 Project

The LaTeX3 project is a long-term research project to develop the next version of the LaTeX typesetting system.

Publications

A selection of articles, slides, conference papers, videos etc. published by the LaTeX3 project.

https://www.latex-project.org/

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Lorem ipsum dolor

XML (.xml)

Estrutura	.md	.tex	.xml
Título	#	\section*	<titulo>
Parágrafo	quebra linha	quebra linha	<paragrafo>
Itálico	*	\textit	<italico>
Negrito	**	\textbf	<negrito>

XML (.xml)

\<titulo\>Lorem ipsum dolor**\</titulo\>**

\<paragrafo\>\<italico\>Lorem**\</italico\>** ipsum
\<negrito\>dolor**\</negrito\>** sit amet, consectetur
adipisicing elit, sed do eiusmod tempor incididunt ut
labore et dolore magna aliqua. Ut enim ad minim veniam,
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cupidatat non proident, sunt in culpa qui officia
deserunt mollit anim id est laborum.**\</paragrafo\>**

Que programa usar?

Extensible Markup Language (XML) 1.0 (Fifth Edition)

W3C Recommendation 26 November 2008

Note: On 7 February 2013, this specification was modified in place to replace broken links to RFC4646 and RFC4647.

This version:
http://www.w3.org/TR/2008/REC-xml-20081126/
Latest version:
http://www.w3.org/TR/xml/
Previous versions:
http://www.w3.org/TR/2008/PER-xml-20080205/
http://www.w3.org/TR/2006/REC-xml-20060816/
Editors:
Tim Bray, Textuality and Netscape <tbray@textuality.com>
Jean Paoli, Microsoft <jeanpa@microsoft.com>
C. M. Sperberg-McQueen, W3C <cmsmcq@w3.org>
Eve Maler, Sun Microsystems, Inc. <eve.maler@east.sun.com>
François Yergeau

Please refer to the **errata** for this document, which may include some normative corrections.

https://www.w3.org/TR/xml/

Como podemos marcar o Título no texto?

Lorem ipsum dolor

Como podemos marcar o Título no texto?

`<h1>` Lorem ipsum dolor`</h1>`
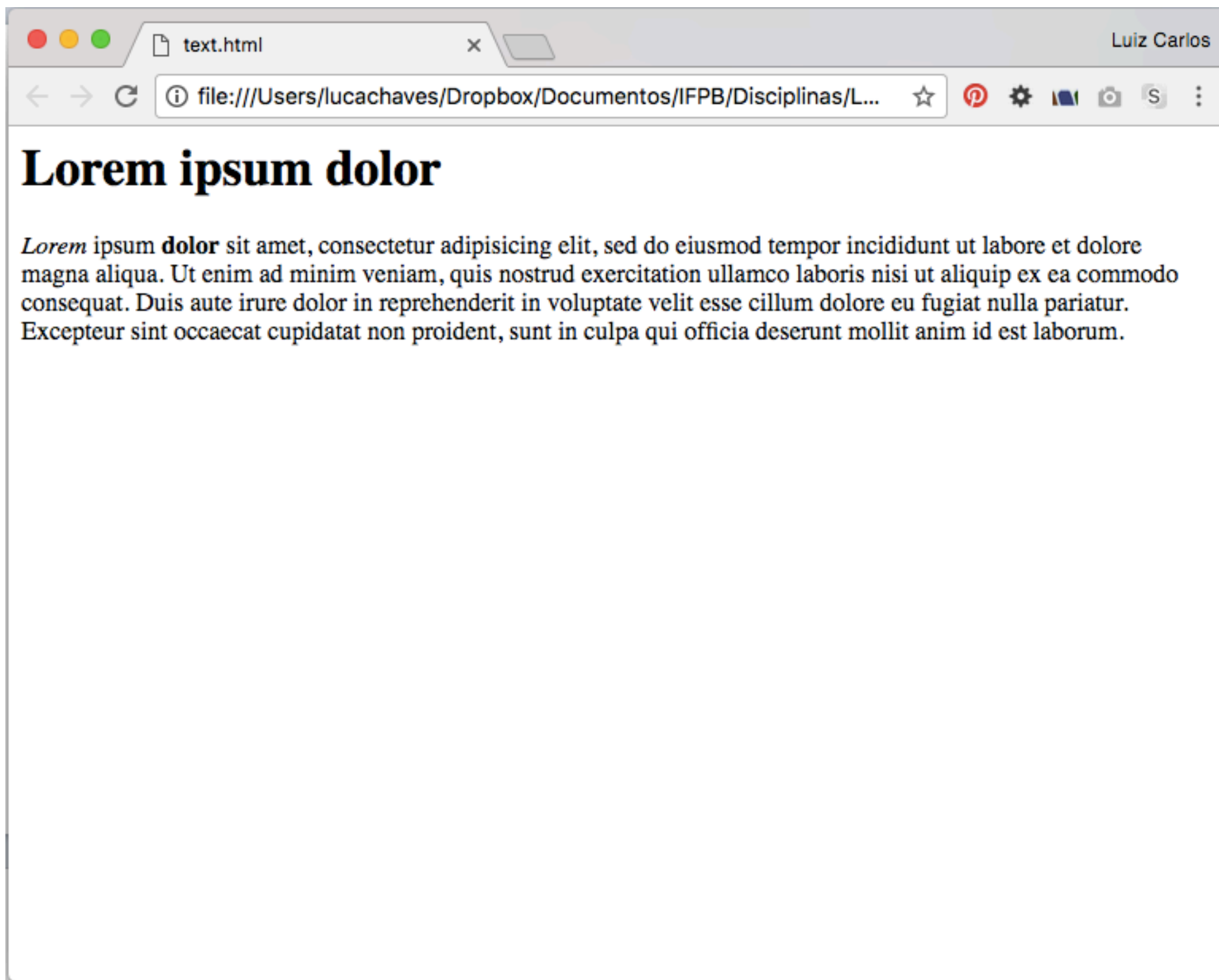
Como podemos marcar o Título no texto?

Lorem ipsum dolor

HTML (.html)

Estrutura	.md	.tex	.xml	.hml
Título	#	\section	<titulo>	<h1>
Parágrafo	ql	ql	<paragrafo>	<p>
Itálico	*	\textit	<italico>	<i>
Negrito	**	\textbf	<negrito>	<b>

HTML (.html)

`<h1>`Lorem ipsum dolor`</h1>`

`<p><i>`Lorem`</i>` ipsum `<b>`dolor`</b>` sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.`</p>`

Lorem ipsum dolor

Lorem ipsum **dolor** sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

HTML 5.1

W3C Recommendation, 1 November 2016

This version:

> https://www.w3.org/TR/2016/REC-html51-20161101/

Latest published version:

> https://www.w3.org/TR/html51/

Latest version of HTML:

> https://www.w3.org/TR/html/

Editor's Draft:

> https://w3c.github.io/html/

Previous Versions:

> https://www.w3.org/TR/2016/PR-html51-20160915/

Editors:

> Steve Faulkner (The Paciello Group)
> Arron Eicholz (Microsoft)
> Travis Leithead (Microsoft)
> Alex Danilo (Google)

Former Editors:

https://www.w3.org/TR/html/

Marcação além dos Documentos

Gráficos SVG

Gráficos SVG

```
<svg version="1.1"
     baseProfile="full"
     width="300" height="200"
     xmlns="http://www.w3.org/2000/svg">

  <rect width="100%" height="100%" fill="red" />

  <circle cx="150" cy="100" r="80" fill="green" />

  <text x="150" y="125" font-size="60"
   text-anchor="middle" fill="white">SVG</text>

</svg>
```

https://www.w3.org/Graphics/SVG/

Fórmulas MathML

$$ax^2 + bx + c$$

Fórmulas MathML

```xml
<?xml version="1.0" encoding="UTF-8"?>
  <!DOCTYPE math PUBLIC
      "-//W3C//DTD MathML 2.0//EN"
      "http://www.w3.org/Math/DTD/mathml2/mathml2.dtd">
  <math xmlns="http://www.w3.org/1998/Math/MathML">
    <mrow>
      <mi>a</mi>
      <mo>&InvisibleTimes;</mo>
      <msup>
        <mi>x</mi>
        <mn>2</mn>
      </msup>
      <mo>+</mo>
      <mi>b</mi>
      <mo>&InvisibleTimes; </mo>
      <mi>x</mi>
      <mo>+</mo>
      <mi>c</mi>
    </mrow>
  </math>
```
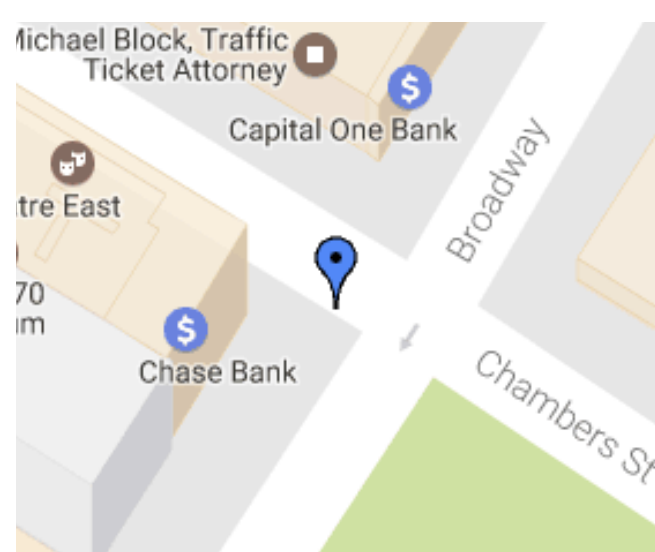
$$ax^2 + bx + c$$

https://www.w3.org/TR/MathML/

Anotações em Mapa KML

Anotações em Mapa KML


```xml
<?xml version="1.0" encoding="UTF-8"?>
<kml xmlns="http://www.opengis.net/kml/2.2">
<Document>
<Placemark>
  <name>New York City</name>
  <description>New York City</description>
  <Point>
    <coordinates>-74.006393,40.714172,0</coordinates>
  </Point>
</Placemark>
</Document>
</kml>
```
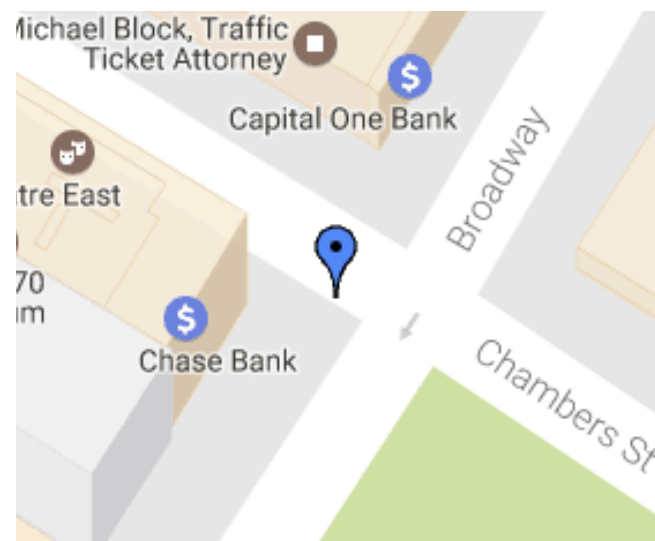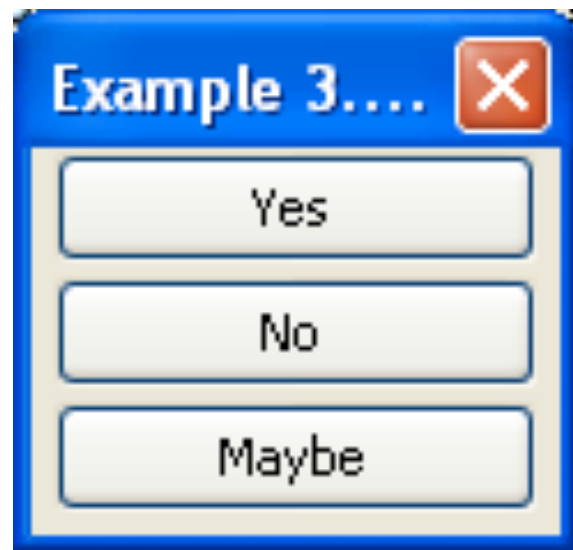
http://www.opengeospatial.org/standards/kml/

Interfaces XUL

Interfaces XUL
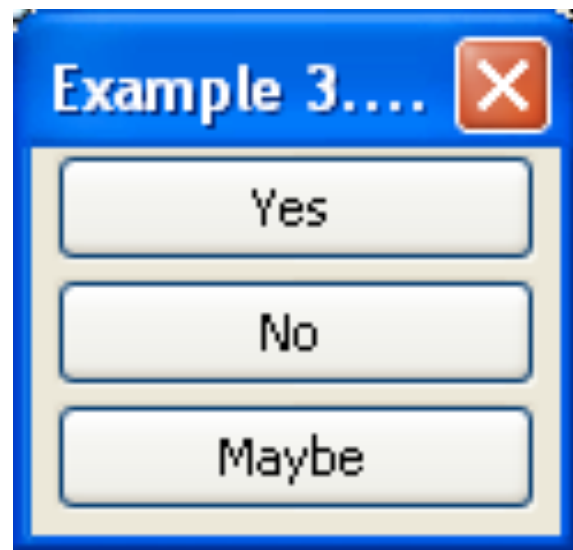
```xml
<?xml version="1.0"?>
<?xml-stylesheet href="chrome://global/skin/"
  type="text/css"?>

<window id="vbox example" title="Example 3...."
xmlns="http://www.mozilla.org/keymaster/gatekeeper/
there.is.only.xul">
  <vbox>
    <button id="yes1" label="Yes"/>
    <button id="no1" label="No"/>
    <button id="maybe1" label="Maybe"/>
  </vbox>
</window>
```

https://developer.mozilla.org/en-US/docs/Mozilla/Tech/XUL

Resumindo

- Linguagem Marcação ajuda a definir estruturas e dados

- Cada linguagem possui marcadores específicos definidos através de normas

- Quanto mais simples, menor o tamanho do arquivo

- Marcadores exigem programas específicos (manipulação e visualização)