



**FRONT END**

**Joel Oliveira**  
[joel@quantik.com.br](mailto:joel@quantik.com.br)

About

**ME**

Software architect

- FullStack Dev
- Web 3 lover

15 years of experience.

Some cases:

DocDo, Solar Social, Quantik and Games.



[linkedin.com/in/joeloliveirasilva](https://linkedin.com/in/joeloliveirasilva)



What is a

# Front-End Developer?

Front-End refers to how a web **page looks**.

**You can think of Front-End as client-side and Back-End as server-side.**

The basic languages for Front-End Development are HTML, CSS, and JavaScript.

[https://www.w3schools.com/whatis/whatis\\_frontenddev.asp](https://www.w3schools.com/whatis/whatis_frontenddev.asp)

# FRONTEND





# HTML

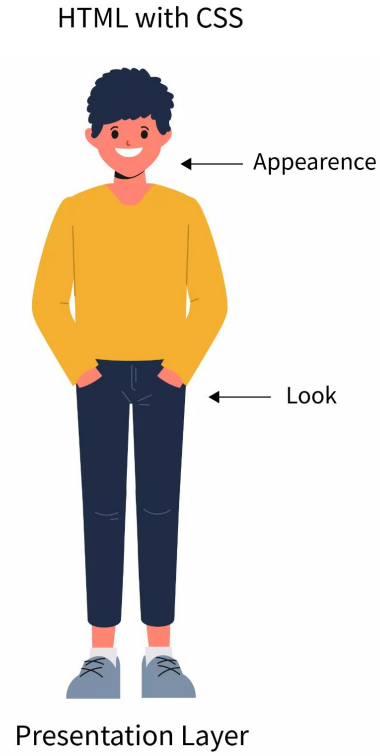
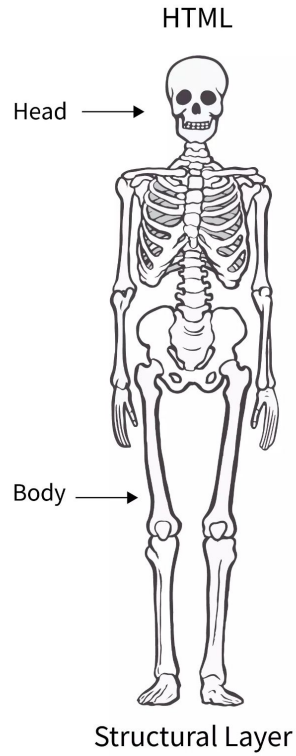
HTML stands for **HyperText Markup Language**. It is a standard markup language for web page creation.

In summary it is, you code markup for visual feedback.

# CSS

Cascading Style Sheets. Allows you to create great-looking web pages

In summary it is a makeup of the pages.



# LET'S PRACTICE

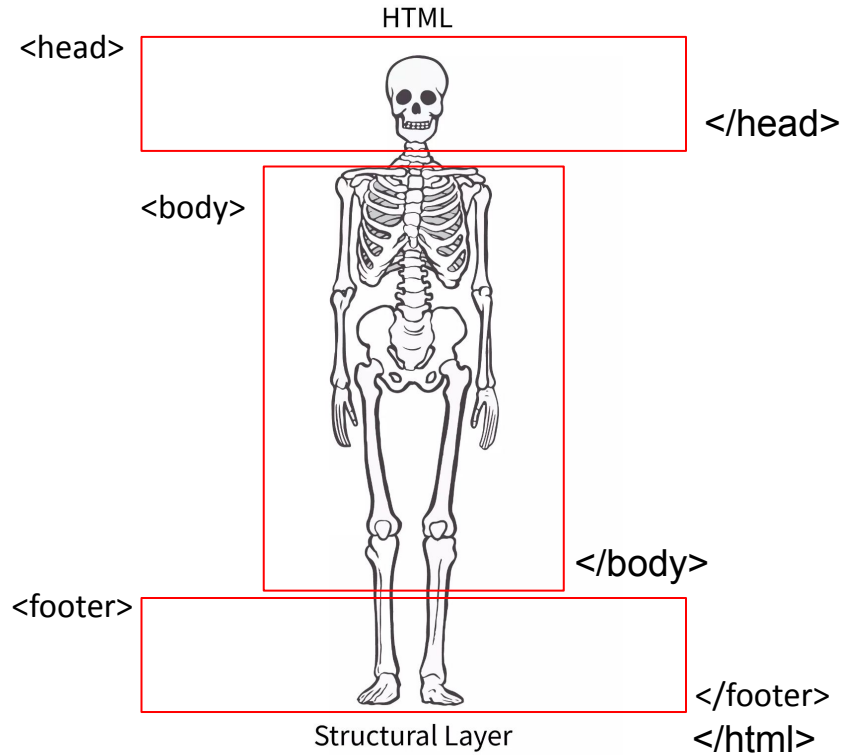
First, let's do a heuristic



## OPEN TAG'S

`<html>`

## CLOSE TAG'S



**<TAG NAME>Content</TAG NAME>**

/ close tag

Your content on middle

## ON CODE

```
1  <!DOCTYPE html>
2  √ <html lang="en">
3  √ <head>
4    <meta charset="UTF-8">
5    <meta http-equiv="X-UA-Compatible" content="IE=edge">
6    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7    <title>My First Page</title>
8  </head>
9  √ <body>
10
11    <p>Hello world!</p>
12
13  </body>
14  </html>
```

## ON CODE

```
1 <!DOCTYPE html>  
2 <html lang="en">
```

You say, hello browser, I'm a html version 5 and my lang is a EN(english).

If you don't do this, some browser say "translate this page?".



**THIS IS A MIND POWER!!!!**



No, no... Sorry, not to much

```
3  ✓ <head>
4    <meta charset="UTF-8">
5    <meta http-equiv="X-UA-Compatible" content="IE=edge">
6    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7    <title>My First Page</title>
8  </head>
```

This is a "skeleton" brain!

You mark how browser will read the information.

Charset's

Compatible

Device's size

Title

So, you can put SEO information, style pages, script pages...

## TEXT

```
9  ✓ <body>
10
11  <p>Hello world!</p>
12
13  </body>
```

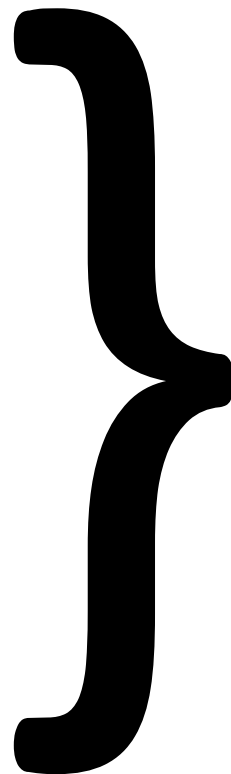
On body, you can input tag's to print on screen.  
In this example, we print a <p> TAG = paragraph tag, and say  
a incredible "Hello world".

**TAG'S**



# Structural TAG

- `<header></header>` – Header tag's define "top" content. This is not `<head>` tag;
- `<main></main>` – Define main content on page;
- `<footer></footer>` – Define bottom content;
- `<section></section>` – Define piece of section on page;
- `<article></article>` – Define articles on page. Nice to use in blog, SEO LIKE;
- `<aside></aside>` – Usable on related articles;
- `<nav></nav>` – Usable on navigation session, you can use to create a menu.
- `<div></div>` – This is everything, this is a multipurpose element.



after  
`<body>`  
tag  
before  
`</body>`

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta http-equiv="X-UA-Compatible" content="IE=edge">
6    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7    <title>My First Page</title>
8  </head>
9  <body>
10
11  <header>
12    My header content
13  <nav>
14    Have one header navigation menu
15  </nav>
16 </header>
17
18 <main>
19   My first main Tag
20 </main>
21
22 <footer>
23   My footer content
24 </footer>
25 </body>
26 </html>
```

# Let's use attributes

- `class="..."` – Use to define countless elements class;
- `id="..."` – Use to define unique elements class;
- `style="..."` – You can insert a CSS calls on tag;
- `lang="..."` – Define lang;
- `title="..."` – Define element title;
- `alt="..."` – Alternative text;
- `hidden` – hidden a element;
- `align="..."` – Align content element: right, center, left and justify;
- `width="..."` – Total width element;
- `height="..."` – Total height element.

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta http-equiv="X-UA-Compatible" content="IE=edge">
6    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7    <title>My First Page</title>
8  </head>
9  <body style="height: 100%;">
10
11  <header align="center">
12    My header content ON CENTER
13  <nav hidden>
14    Have one header navigation menu
15  </nav>
16 </header>
17
18 <main>
19   My first main Tag
20 </main>
21
22 <footer style="position: absolute; bottom: 0px;">
23   My footer content
24 </footer>
25 </body>
26 </html>
```

# Title

## TAG

- `<h1></h1>` - MORE SIZE
- `<h2></h2>`
- `<h3></h3>`
- `<h4></h4>`
- `<h5></h5>`
- `<h6></h6>` - LESS SIZE

# Text TAG

- `<p></p>` – Paragraph tag;
- `<span></span>` – This is a multipurpose text element, use on css manipulation;
- `<b></b>` – Bold text content;
- `<i></i>` – Italic text;
- `<br/>` – Line break.
- `<hr/>` – Horizontal line.
- `<a href="https://www.google.com">click here</a>` - Link tag

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>My First Page</title>
8  </head>
9  <body style="height: 100%;">
10
11  <header align="center">
12      <h1>My header content ON CENTER</h1>
13  <nav hidden>
14      Have one header navigation menu
15  </nav>
16 </header>
17 <hr />
18 <main>
19     <h4><a href="https://google.com/">Go to google</a></h4>
20     <br />
21     <b>New text</b>
22 </main>
23
24 <footer style="position: absolute; bottom: 0px;">
25     <h2>My footer content</h2>
26 </footer>
27 </body>
28 </html>
```

# List TAG

```
<ol>
```

```
<li>item 1</li>
```

```
<li>item 2</li>
```

```
</ol>
```

orderly

```
<ul>
```

```
<li>item 1</li>
```

```
<li>item 2</li>
```

```
</ul>
```

unordered



# Form, video, time and more

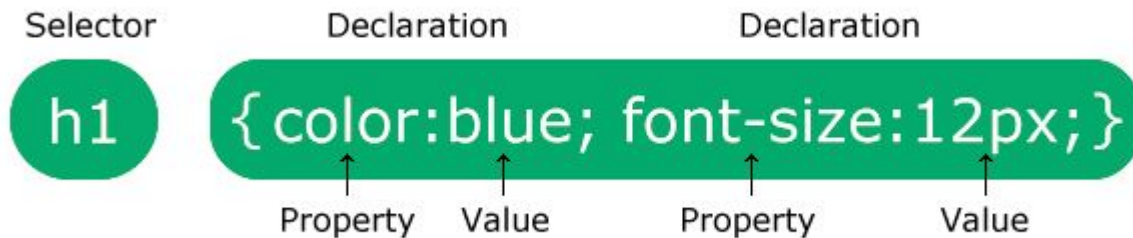
- `<img>` - Image tag
- `<img src="">` - Image tag + searching(path) attribute

MORE

<https://www.w3schools.com/tags/>

**TAG'S**

# CSS Syntax



<https://www.w3schools.com/css/default.asp>

# Let's Practice

- Use a HTML and CSS
- Import image
- Make a Header Menu
- Import video
- Can use a [Color picker](#)

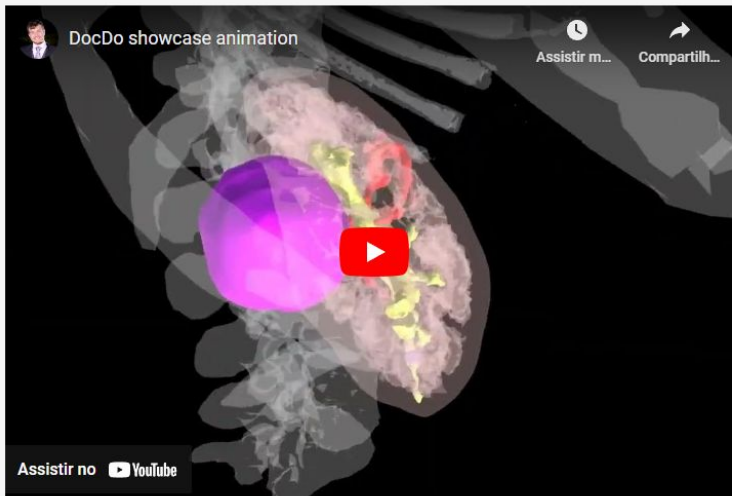
Quantik

[Home](#)

[Video](#)

[Contact](#)

My Video



# Framework

## Bootstrap

- Build fast and responsive sites;
- Easy install;
- HTML, CSS and JS;
- <https://getbootstrap.com/>



# Let's Practice

- Importing bootstrap;
- Using CDN import and boilerplate;
- <https://getbootstrap.com/docs/5.3/examples/>

Navbar Home Link Dropdown ▾ Disabled

## Hello, world!

You've successfully loaded up the Bootstrap starter example. It includes [Bootstrap 5](#) via the [jsDelivr CDN](#) and includes an additional CSS and JS file for your own code.

Feel free to download or copy-and-paste any parts of this example.

[Read the Bootstrap docs](#)[View on GitHub](#)

# Let's Practice

- Make a portfolio page;
- You can download my git boilerplate;
- <https://github.com/vikumm/frontend-class-champlain>
- Free images <https://unsplash.com/>



**Thank you!**

**Joel Oliveira**  
[joel@quantik.com.br](mailto:joel@quantik.com.br)