# Programação para Web II

## HTML
## CSS
## JavaScript

**Prof. Eliézer Zarpelão**

# HTML

- *Hyper Text Markup Language*
- W3C: http://www.w3.org/
- Tags
- Browser
- <tag>...</tag>
- <tag attribute="value" ... />

# Sample HTML

- **&lt;html&gt;**
-    **&lt;head&gt;**
-       **&lt;title&gt;**Page Title**&lt;/title&gt;**
-    **&lt;/head&gt;**
-    **&lt;body&gt;**
-       My first page
-    **&lt;/body&gt;**
- **&lt;/html&gt;**

# HTML – Basic Tags

| Tag | Description |
| --- | --- |
| <html> | Defines a HTML document |
| <body> | Defines a document body |
| <h1> to <h6> | Defines headers 1 to 6 |
| <p> | Defines a paragraph |
| <br> | Inserts a break line |
| <hr> | Defines a horizontal line |
| <!-- --> | Defines a comment |

# HTML – Text Formatting

- **&lt;html&gt;**
- **&lt;head&gt;**
- **&lt;title&gt;**Page Title**&lt;/title&gt;**
- **&lt;/head&gt;**
- **&lt;body&gt;**
- **&lt;b&gt;**STRENGTH**&lt;/b&gt;&lt;br/&gt;**
  **&lt;i&gt;**DARTH VADER**&lt;/i&gt;&lt;br/&gt;**
- **&lt;code&gt;**Same code PHP**&lt;/code&gt;&lt;br/&gt;**
- This is **&lt;sub&gt;**subscript**&lt;/sub&gt;&lt;br/&gt;**
  This is **&lt;sup&gt;**superscript**&lt;/sup&gt;&lt;br/&gt;**
- **&lt;/body&gt;**
- **&lt;/html&gt;**

# HTML Style Attibutes

| Tag | Description |
|---|---|
| <center> | Defines centered content |
| <font> | Defines HTML fonts |
| <s> and <strike> | Defines strikeout text |
| <u> | Defines underlined text |

| A t t r ib u t e s | Description |
|---|---|
| Align | Defines the alignment of text |
| Bgcolor | Defines the background color |
| Color | Defines the text color |

# HTML Tables

- Tables are defined with the <table> tag.

- A table is divided into rows (with the <tr> tag),

- Each row is divided into data cells (with the <td> tag).

  - td = "table data" which is the content of a data cell.

- Headings in a table are defined with the <th> tag.

# HTML Tables

```
<table border="1">
 <tr>
   <td>row 1, cell 1</td
   <td>row 1, cell 2</td
 </tr>
 <tr>
   <td>row 2, cell 1</td>
   <td>row 2, cell 2</td>
 </tr>
</table>
```

| row1,cell1 | row 1, cell 2 |
|---|---|
| row 2, cell 1 | row 2, cell 2 |

# HTML Lists

- O r d e r e d L is t s :

  - An ordered list is also a list of items. The list items are marked with numbers.

  - An ordered list starts with the <ol> tag. Each list item starts with the <li> tag.

- U n o r d e r e d L is t s :

  - An unordered list is a list of items. The list items are marked with bullets (typically small black circles).

  - An unordered list starts with the <ul> tag. Each list item starts with the <li> tag.

# **HTML Lists**

- D e f in it io n L is t s :

    – A definition list is not a list of single items. It is a list of items (terms), with a description of each item (term).

    – A definition list starts with a <dl> tag (definition list).

    – Each term starts with a <dt> tag (definition term).

    – Each description starts with a <dd> tag (definition description).

# HTML Forms

- Different kinds of user input

- A form is an area that can contain form elements

- Form elements are elements that allow the user to enter information like,

  - text fields

  - textarea fields

  - drop-down menus

  - radio buttons

  - checkboxes

  - Action Attribute and the Submit Button...

# "New" HTML Forms (HTML 5)

- search
- email
- url
- tel
- number
- range
- date
- month
- week
- time
- datetime
- datetime-local
- color

# CSS

- Cascading Style Sheets

- CSS is a language that describes the style of an HTML document.

- CSS describes how HTML elements should be displayed.

# CSS

- Inline
    - `<p style="font-size: 12px; color: red"> Line 1 </p>`

- Internal

- `<head>`

- `<style type="text/css">`

- `p { font-size: 14px; }`

- `</style>`

- `</head>`

- External

- `<head>`

- `<link rel="stylesheet" href="styles.css">`

- `</head>`

# JavaScript

- Programming language that adds interactivity to your website

  - *let myHeading = document.querySelector('h1');*

  - *myHeading.textContent = 'Hello world!';*

# JavaScript - DataTypes

- String
  - let myVariable = 'Bob';

- Number
  - let myVariable = 10;

- Boolean
  - let myVariable = true;

- Array
  - let myVariable = [1,'Bob','Steve',10];
  - MyVariable[0]
  - myVariable[1]

- Object
  - let myVariable = document.querySelector('h1');

# Referências

- https://www.w3schools.com/html/

- https://www.w3schools.com/css/

- https://www.maujor.com/