JavaScript – Parte 3
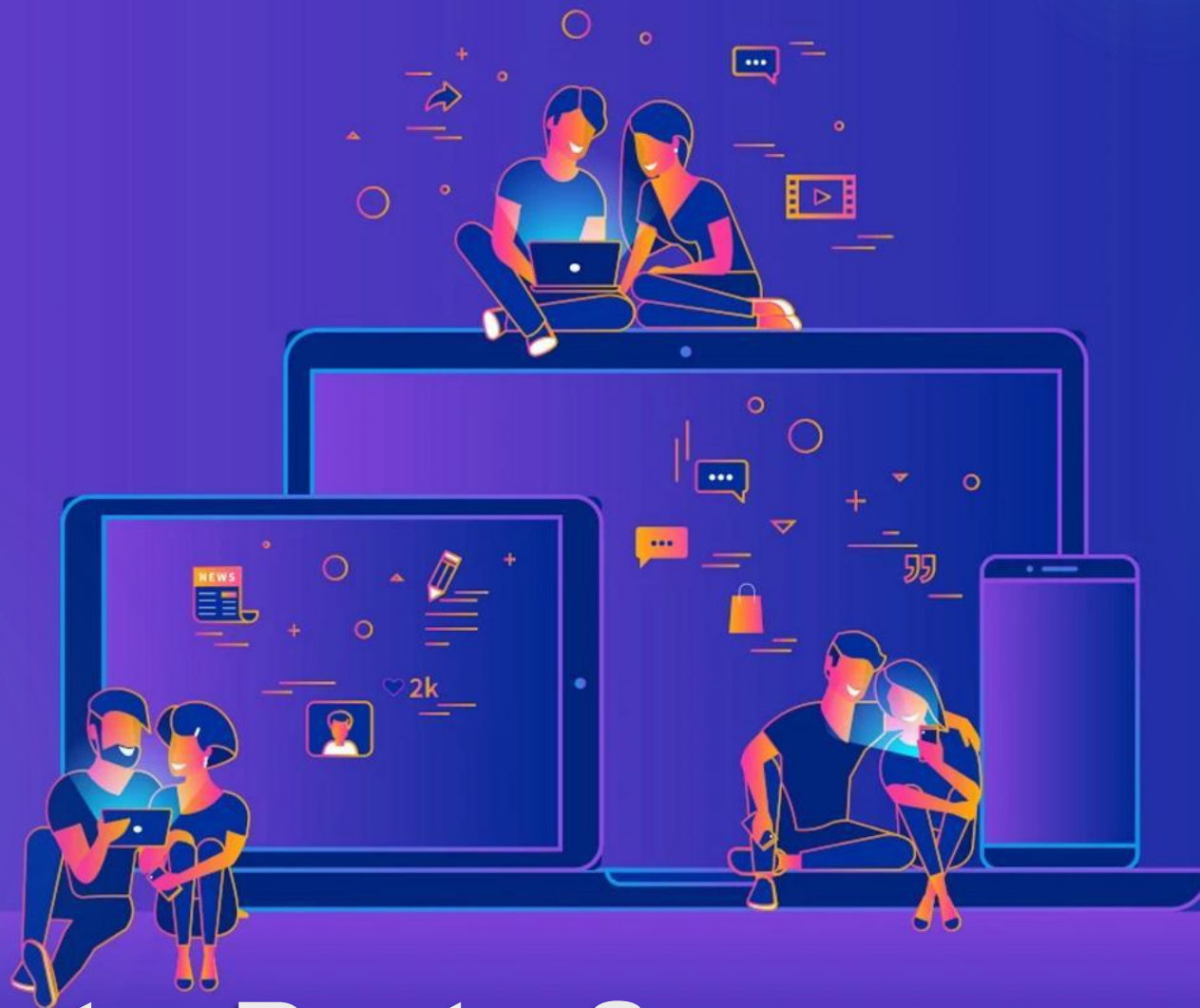
PROFESSOR WELLINGTON TELLES

Filtrando Elementos (HTML)

```html
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>Filtrando Elementos</title>
<script type="text/javascript" src="filtrando.js"></script>
<link href="filtrando.css" rel="stylesheet">
</head>
<body>
    <div id="myBtnContainer">
        <button class="btn active"onclick="filterSelection('all')">Tudo</button>
        <button class="btn" onclick="filterSelection('mala')"> Mala</button>
        <button class="btn" onclick="filterSelection('sapato')"> Sapato</button>
        <button class="btn" onclick="filterSelection('blusa')"> Blusa</button>
        <button class="btn" onclick="filterSelection('calça')"> Calça</button>

    </div>
    <div class="container">
        <div class="filterDiv mala" >Victor Hugo</div>
        <div class="filterDiv mala" >Louis Vuitton</div>
        <div class="filterDiv sapato" >Kildare</div>
        <div class="filterDiv sapato" >Adidas</div>
        <div class="filterDiv sapato" >Puma</div>
        <div class="filterDiv blusa" >Zara</div>
        <div class="filterDiv blusa" >Siberianv</div>
        <div class="filterDiv calça" >Lee</div>
        <div class="filterDiv calça" >Levis</div>
    </div>
</body>
</html>
```

Filtrando Elementos (CSS)

```css
.container {
  overflow: hidden;
}
.filterDiv {
  float: left;
  background-color: #2196F3;
  color: #ffffff;
  width: 100px;
  line-height: 100px;
  text-align: center;
  margin: 2px;
  display: none; /* Hidden by default */
}
/* The "show" class is added to the filtered elements */
.show {
  display: block;
}
/* Style the buttons */
.btn {
  border: none;
  outline: none;
  padding: 12px 16px;
  background-color: #f1f1f1;
  cursor: pointer;
}
/* Add a light grey background on mouse-over */
.btn:hover {
  background-color: #ddd;
}
/* Add a dark background to the active button */
.btn.active {
  background-color: #666;
  color: white;
}
```

Filtrando Elementos (JS)

```javascript
filterSelection("all")
function filterSelection(c) {
  var x, i;
  x = document.getElementsByClassName("filterDiv");
  if (c == "all") c = "";
  // Add the "show" class (display:block) to the filtered elements, and remove the
  // "show" class from the elements that are not selected
  for (i = 0; i < x.length; i++) {
    w3RemoveClass(x[i], "show");
    if (x[i].className.indexOf(c) > -1) w3AddClass(x[i], "show");
  }
}

// Show filtered elements
function w3AddClass(element, name) {
  var i, arr1, arr2;
  arr1 = element.className.split(" ");
  arr2 = name.split(" ");
  for (i = 0; i < arr2.length; i++) {
    if (arr1.indexOf(arr2[i]) == -1) {
      element.className += " " + arr2[i];
    }
  }
}

// Hide elements that are not selected
function w3RemoveClass(element, name) {
  var i, arr1, arr2;
  arr1 = element.className.split(" ");
  arr2 = name.split(" ");
  for (i = 0; i < arr2.length; i++) {
    while (arr1.indexOf(arr2[i]) > -1) {
      arr1.splice(arr1.indexOf(arr2[i]), 1);
    }
  }
  element.className = arr1.join(" ");
}

// Add active class to the current control button (highlight it)
var btnContainer = document.getElementById("myBtnContainer");
var btns = btnContainer.getElementsByClassName("btn");
for (var i = 0; i < btns.length; i++) {
  btns[i].addEventListener("click", function() {
    var current = document.getElementsByClassName("active");
    current[0].className = current[0].className.replace(" active", "");
    this.className += " active";
  });
}
```

Filtrando Elementos

Filtrando Elementos (HTML)

```html
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>Filtros de Input</title>
<script type="text/javascript" src="mascaras.js"></script>
</head>
<body>
    <input type="text" name="cpf" onkeydown="javascript: fMasc( this, mCPF );">
</body>
</html>
```

Filtrando Elementos (JS)

```
function fMasc(objeto,mascara) {
        obj=objeto
        masc=mascara
        setTimeout("fMascEx()",1)
}
function fMascEx() {
        obj.value=masc(obj.value)
}
function mTel(tel) {
        tel=tel.replace(/\D/g,"")
        tel=tel.replace(/^(\d)/,"($1")
        tel=tel.replace(/(.{3})(\d)/,"$1)$2")
        if(tel.length == 9) {
                tel=tel.replace(/(.{1})$/,"-$1")
        } else if (tel.length == 10) {
                tel=tel.replace(/(.{2})$/,"-$1")
        } else if (tel.length == 11) {
                tel=tel.replace(/(.{3})$/,"-$1")
        } else if (tel.length == 12) {
                tel=tel.replace(/(.{4})$/,"-$1")
        } else if (tel.length > 12) {
                tel=tel.replace(/(.{4})$/,"-$1")
        }
        return tel;
}
function mCNPJ(cnpj){
        cnpj=cnpj.replace(/\D/g,"")
        cnpj=cnpj.replace(/^(\d{2})(\d)/,"$1.$2")
        cnpj=cnpj.replace(/^(\d{2})\.(\d{3})(\d)/,"$1.$2.$3")
        cnpj=cnpj.replace(/\.(\d{3})(\d)/,".$1/$2")
        cnpj=cnpj.replace(/(\d{4})(\d)/,"$1-$2")
        return cnpj
}
function mCPF(cpf){
        cpf=cpf.replace(/\D/g,"")
        cpf=cpf.replace(/(\d{3})(\d)/,"$1.$2")
        cpf=cpf.replace(/(\d{3})(\d)/,"$1.$2")
        cpf=cpf.replace(/(\d{3})(\d{1,2})$/,"$1-$2")
        return cpf
}
function mCEP(cep){
        cep=cep.replace(/\D/g,"")
        cep=cep.replace(/^(\d{2})(\d)/,"$1.$2")
        cep=cep.replace(/\.(\d{3})(\d)/,".$1-$2")
        return cep
}
function mNum(num){
        num=num.replace(/\D/g,"")
        return num
}
```

Filtrando Elementos OnChange

```
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>Onchange JS</title>
<script>
function Verifica_Valor(val) {
    if(val<7){
        document.getElementById("valor").style.color = "red"
    } else {
        document.getElementById("valor").style.color = "blue"
    }
}
</script>
</head>

<body>
    <p>Vamos ver o evento ONCHANGE, digite um valor maior que 7</p>
    <input type="text" id="valor" onchange="Verifica_Valor(this.value)">
</body>
</html>
```
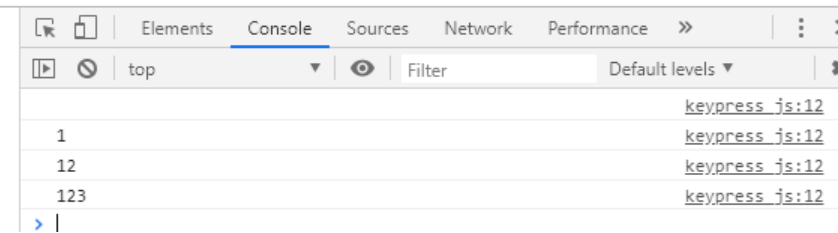
Filtrando Elementos KeyDown

Vamos ver o evento
KEYDOWN, digite um valor
maior que 7

Entre com um número:
1234

```
Elements   Console   Sources   Network   Performance   »
top                        ▼   Filter        Default levels ▼
                                            keypress_js:12
1                                           keypress_js:12
12                                          keypress_js:12
123                                         keypress_js:12
> |
```

```html
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>KeyDown JS</title>
<script type="text/javascript" src="../js/jquery-3.5.1.min.js"></script>
<script>
$(document).ready(function(){
    $("#valor").keydown(function(){
        var numero = $("#valor").val();
        console.log (numero);
    });
});
</script>
</head>
<body>
    <p>Vamos ver o evento KEYDOWN, digite um valor maior que 7</p>
    <form>
        Entre com um número: <input type="text" name="valor" id="valor">
    </form>
</body>
</html>
```

Filtrando Elementos KeyUp

Vamos ver o evento KEYDOWN, digite um valor maior que 7

Entre com um número: 123

```
Console
top
1                    keyup_js:11
12                   keyup_js:11
123                  keyup_js:11
>
```

```html
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>KeyUp JS</title>
<script type="text/javascript" src="/js/jquery-3.4.0.min.js"></script>
<script>
$(document).ready(function(){
    $("#valor").keyup(function(){
        var numero = $("#valor").val();
        console.log (numero);
    });
});
</script>
</head>
<body>
    <p>Vamos ver o evento KEYUP, digite um valor maior que 7</p>
    <form>
        Entre com um número: <input type="text" name="valor" id="valor">
    </form>
</body>
</html>
```

Filtrando Elementos KeyPress

Vamos ver o evento KEYPRESS, digite um valor maior que 7

Entre com um número: 123

```
Console
top
                                    keypress_js:11
1                                   keypress_js:11
12                                  keypress_js:11
>
```

```html
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>Keypress JS</title>
<script type="text/javascript" src="../js/jquery-3.5.1.min.js"></script>
<script>
$(document).ready(function(){
    $("#valor").keypress(function(){
        var numero = $("#valor").val();
        console.log (numero);
    });
});
</script>
</head>
<body>
    <p>Vamos ver o evento KEYPRESS, digite um valor maior que 7</p>
    <form>
        Entre com um número: <input type="text" name="valor" id="valor">
    </form>
</body>
</html>
```

Filtrando Elementos Select

Só quando mudar a escolha

```
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>Select Javascript</title>
</head>
<body>
    <select onchange="alert(this.options[this.selectedIndex].title)" >
    <option title="primeiro">primeiro</option>
    <option title="segundo">segundo</option>
    </select>
</body>
</html>
```

Filtrando Elementos Select

```html
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>Select JS</title>
<script type="text/javascript">
function teste(valor)
{
    if( valor=="novo" )
        window.open("../novo.php", "Novo Menu", "width=300, height=200");
}
</script>
</head>
<body>
    <select name="teste" id="teste" onchange="teste( this.value );">
        <option value="1">1</option>
        <option value="2">2</option>
        <option value="novo">novo</option>
    </select>
</body>
</html>
```

Filtrando Elementos OnKeyPressed

```
<!DOCTYPE html>
<html>
<body>
    <p>A function is triggered when the user is pressing a key in the input field.</p>
    <input type="text" onkeypress="myFunction()">
    <script>
    function myFunction() {
      alert("You pressed a key inside the input field");
    }
    </script>
</body>
</html>
```

Mostra a tecla apertada, o mesmo acontece OnKeyDown OnKeyUp

Filtrando Elementos addEventListener

```
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>AddEventListener</title>
</head>
<body>
<h2>JavaScript addEventListener()</h2>
<p>Exemplo de criar um evento que fica esperando o aperto do botão</p>
<button id="botao">Tente Aqui</button>

<script>
document.getElementById("botao").addEventListener("click", myFunction);
function myFunction() {
  alert ("Hello World!");
}
</script>

</body>
</html>
```

Validando Elementos Formulário

```
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>Formulário</title>
<script>
function valida(){
var n = document.forms["formulario"]["nome"].value;
if (n=="") {
        document.getElementById("nome").innerHTML="O nome deve ser preenchido";
} else
{
        document.getElementById("nome").innerHTML="";
}
var t = document.forms["formulario"]["telefone"].value;
if (t=="") {
        document.getElementById("telefone").innerHTML="O telefone deve ser preenchido";
}
else
{
        document.getElementById("telefone").innerHTML="";
}
if (n==""||t=="") {
        return false;
} else
{ return true}
}
</script>
</head>
<body>
        <form name="formulario" onsubmit="return valida()" method="post">
                Nome<input type="text" name="nome"><p id="nome"></p>
                Telefone<input type="text" name="telefone"><p id="telefone"></p>
                <input type="submit" value="Envia">
        </form>
</body>
</html>
```

Nome

O nome deve ser preenchido

Telefone

O telefone deve ser preenchido

Envia

Ajudando a achar erros

```
function sleep(milliseconds) {
  var start = new Date().getTime();
  for (var i = 0; i < 1e7; i++) {
    if ((new Date().getTime() - start) > milliseconds){
      break;
    }
  }
}
```

Switch Case

```html
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>SwitchCase JS</title>
</head>
<body>
<input id="inputIQ" type="number"/>
<button onclick="inputIQFunction()">Envia</button>
<script>
function inputIQFunction() {
    var userinput = document.getElementById("inputIQ").value;
    userinput = parseInt(userinput);
    switch (true) {

        case userinput <= 10:
            alert("Menor igual a 10");
            break;

        case userinput > 10:
            alert("Maior que 10");
            break;

        default:
            alert("Por favor insira um número");
            break;
    }
 }
</script>
</body>
</html>
```

Criando Elementos

```
<!DOCTYPE html>
<html>
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type">
<title>Criando JS</title>
</head>
<body>
<p>Clique no botão para criar um INPUT TEXT</p>
<button onclick="minhafuncao()">Teste Aqui</button>
<script>
function minhafuncao() {
  var x = document.createElement("INPUT");
  x.setAttribute("type", "text");
  x.setAttribute("value", "Ola Mundo!");
  document.body.appendChild(x);
}
</script>
</body>
</html>
```