



# Developer Guide

# Table of Contents

- Introduction ..... 3
- Login, Logout ..... 4
- Shopping Cart ..... 6
- Filter Box ..... 8
- Comparing ..... 10

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# Introduction

This guide details some of the most essential JavaScript and J-Query functions used in the OceanGate® website. For each function, a screenshot of the code is included and beneath it the code is explained. These functions perform roles such as adding and removing items from the shopping cart, allowing a user to log in and out and allowing items in the product gallery to be filtered based on brand and price.

# Login, Logout

```
function login()
{
    $(document).ready(function(){
        $('.lg_out').hide();
    });
    var em=document.getElementById('email').value.length;

    if(em==7 || em==6 || em==5)
    {
        var e = document.forms["f7"]["email1"].value;
        document.getElementById('inner').innerHTML=e;
        document.getElementById('inner').style.opacity="1";
        document.getElementById('error-1').style.opacity="0";
        sessionStorage.setItem("loginname",e);
    }
}
```

The login function checks the user input by form validation. If the length of the input is between 5 and 7 characters, the input is stored using session storage. The input username is also displayed on the navbar.

```
function logout()
{
    var e1="";
    document.getElementById('inner').style.opacity="0";
    document.getElementById('inner').innerHTML=e1;
    sessionStorage.removeItem("loginname");
    $(document).ready(function(){
        $('.empty').show();
        $('.signin_img').show();
        $('.empty_img').hide();
        $('.lg_in').show();
        $('.lg_out').hide();
    });
}
```

The logout function removes the stored username in session storage. It also sets the username displayed in the navbar to empty ( "" ). The login function which was previously hidden is now visible and the logout function hides itself.

# Shopping Cart

```
var c=parseInt(document.getElementById('scounter').innerHTML);
var d=c+1;
document.getElementById('scounter').innerHTML=d;

var f1=parseInt(document.getElementById('scounter').innerHTML);
sessionStorage.setItem("itemtotal",f1);
document.getElementById('scounter5').innerHTML=document.getElementById('scounter').innerHTML;

var x=parseInt(document.getElementById('rtot').innerHTML);
var s1=s*parseInt(document.getElementById('value').innerHTML);
var y=x+s1;
document.getElementById('rtot').innerHTML=y;

var f2=parseInt(document.getElementById('rtot').innerHTML);
sessionStorage.setItem("total",f2);

var r=parseInt(document.getElementById('value').innerHTML);
document.getElementById('quan1').innerHTML=r;

var f3=parseInt(document.getElementById('quan1').innerHTML);
sessionStorage.setItem("quantity1",f3);
```

The add-to-cart function first increases the total item count by 1 and is stored in session storage. The item's price multiplied with the selected quantity is added to the total which is then updated in the session storage. The item's quantity is also stored separately in a session storage variable.

```

function del1(x1) // DELETE ITEM 1
{
  document.getElementById('add_btn1').style.background="darkslategrey";
  document.getElementById('add_btn1').style.border="darkslategrey";
  document.getElementById('add_btn1').style.cursor="pointer";
  $(document).ready(function(){ $('#y1').hide();
  var z=document.getElementById('rtot').innerHTML; // GETTING CURRENT TOTAL
  var z1=document.getElementById('quan1').innerHTML; // GETTING PRODUCT QUANTITY
  var new_total=z-(x1*z1); document.getElementById('rtot').innerHTML=new_total;
  sessionStorage.setItem("total",new_total);
  var x=1; document.getElementById('quan1').innerHTML=x;
  sessionStorage.setItem("quantity1",x); var x2=0;
  sessionStorage.setItem("index1",x2);
  var x5=parseInt(document.getElementById('scounter').innerHTML);
  x5--;
  document.getElementById('scounter').innerHTML=x5;
  document.getElementById('scounter5').innerHTML=x5;
  sessionStorage.setItem("itemtotal",x5);
  if ( parseInt(document.getElementById('scounter').innerHTML)==0 )
{ $('#empty').show(); $('#y16').hide(); $('#empty_img').show();
  document.getElementById('m1').style.height="8vw";
  document.getElementById('m1').style.width="15vw"; } }); }

```

The delete-from-cart function first calculates the new total by subtracting the product of the deleted item's price and quantity. The total is updated in the session storage. The session storage variable for the quantity of the item is also reset. The total item count is decreased by 1. And finally, the item is removed from the shopping cart.

# Filter Box

```
function sony()  
{  
  if(document.getElementById("myCheck1").checked == true && document.  
    getElementById("myCheck6").checked == true)  
  { $(document).ready(function(){  
    $('.every').hide();  
    $('.sony_50_100').show(); }); }  
  
  else if(document.getElementById("myCheck1").checked == true && document.  
    getElementById("myCheck5").checked == false && document.getElementById(  
    "myCheck6").checked == false && document.getElementById("myCheck7").  
    checked == false)  
  { $(document).ready(function(){  
    $('.every').hide();  
    $('.sony').show(); }); }  
  
  else if (document.getElementById("myCheck1").checked == false)  
  { $(document).ready(function(){  
    $('.every').show(); }); } }
```

When this function is called, it hides all other items and shows only Sony items (achieved by assigning classes). It does this by confirming if the Sony box is checked. Afterwards when the Sony box is unchecked, the function is called again and this time it makes all items visible.



```
function reset_filter()
{
  $(document).ready(function(){
    $('.every').show();
    document.getElementById("myCheck1").checked = false;
    document.getElementById("myCheck2").checked = false;
    document.getElementById("myCheck3").checked = false;
    document.getElementById("myCheck4").checked = false;
    document.getElementById("myCheck5").checked = false;
    document.getElementById("myCheck6").checked = false;
    document.getElementById("myCheck7").checked = false;
  });
}
```

This function, when called, unchecks all boxes and shows all items.

# Comparing

```
function fun1() { $(document).ready(function(){ $('.columna').hide();
$('.btna').show();
    if(document.getElementById('select2').innerHTML=="WD My Passport Black")
    {$('.tmp1').hide(); $('.dis1').show(); document.getElementById('select1').
innerHTML="WD My Passport Black";
    $('.btn1a').hide(); } }); }

function fun2() { $(document).ready(function(){ $('.columna').hide();
$('.btna').show();
    if(document.getElementById('select2').innerHTML=="Kingston CANVAS Select")
    {$('.tmp1').hide(); $('.dis2').show(); document.getElementById('select1').
innerHTML="Kingston CANVAS Select";
    $('.btn2a').hide(); } }); }
```

This comparing function on the Compare page is called when an item is selected from one of the two dropdown menus on the page. It first checks if the same item is displayed in the other column. It will only show the selected item if the other column displays a different item. Hence due to this function, an item can never be displayed on both columns at once.

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