

## Assignment 1: Creating and Submitting a Form

Please use the **Assignment One Drop Box** to submit your assignment.

Create a Web page with a form for calculating the cost of a computer. The resulting page is shown below.

Computer Pricing	
Base Price:	\$1,000
Processor:	<input checked="" type="radio"/> 1.5 GHz <input type="radio"/> 2.0 GHz (add \$400) <input type="radio"/> 3.0 GHz (add \$600)
Hard Drive:	<input checked="" type="radio"/> 40 GB <input type="radio"/> 80 GB (add \$200) <input type="radio"/> 100 GB (add \$400)
Memory:	1024 MB
Network Card:	<input type="checkbox"/> (add \$70)
Modem:	<input type="checkbox"/> (add \$50)
Total Price	\$

## Instructions

1. Code the form inside a borderless table with two columns in order to align labels and fields. Table cells are styled with Arial 10pt text. The background color of the first column is #F0F0F0.
2. The form is surrounded by a <form> tag; neither an action nor a method attribute is required since this form is *not* being transmitted to the server for processing.
3. The "Base Price" value of \$1,000 does not appear in a form field; it is simply displayed in the table cell.
4. Make sure you id, name, and value all of the fields:
  - The **ids** of the processor radio buttons are **Processor1**, **Processor2**, and **Processor3**; the **name** of all processor radio buttons is **Processor** to force a mutually exclusive choice. These buttons have the following labels and values:

1.5 GHz	"0"
2.0 GHz (add \$400)	"400"
3.0 GHz (add \$600)	"600"

- The **ids** of the hard drive radio buttons are **HardDrive1**, **HardDrive2**, and **HardDrive3**; the **name** of all hard drive radio buttons is **HardDrive** to force a mutually exclusive choice. These buttons have the following labels and values:

40 GB	"0"
80 GB (add \$200)	"200"
100 GB (add \$400)	"400"

- The **id** of the memory drop-down list is **Memory**; <option> tags have the following labels and values:

1024 MB	"0"
2048 MB (add \$300)	"300"
4096 MB (add \$500)	"500"
8192 MB (add \$700)	"700"

- The **id** of the network card checkbox is **NetworkCard**; it has a value of "70".
  - The **id** of the modem checkbox is **Modem**; it has a value of "50".
  - The **id** of the total price textbox is **TotalPrice**.
  - The "Total Price" button is a general-purpose button; it is not a submit button since form information is not being sent to a server for processing.
5. Save the document with the name **Assignment\_one.html**

## Script Processing

1. Add a JavaScript event handler to the "Total Price" button in order to call on a processing script to calculate the total amount of the computer:

```
<input type="button" value="Total Price" onClick="GetTotal()" />
```

2. Enter the following JavaScript code to your page. Place this code inside the <head> section of your page. This script accesses the values entered on the form and calculates the total price of the computer, placing the resulting value in the "Total Price" field.

```

<script type="text/javascript">
function GetTotal()
{
    var processorprice = 0;
    var harddriveprice = 0;
    var memoryprice = 0;
    var networkcardprice = 0;
    var modemprice = 0;
    var totalprice = 0;
    var i;

    // Get processor price

    for (i=1; i<=3; i++) {
        if (document.getElementById("Processor" + i).checked) {
            processorprice=parseInt(document.getElementById("Processor" + i).value);
        }
    }

    // get hard drive price
    for (i=1; i<=3; i++) {
        if (document.getElementById("HardDrive" + i).checked) {
            harddriveprice=parseInt(document.getElementById("HardDrive" + i).value);
        }
    }

    // get memory price
    i=document.getElementById("Memory").selectedIndex;
    memoryprice=parseInt(document.getElementById("Memory")[i].value);

    // get network card price
    if (document.getElementById("NetworkCard").checked) {
        networkcardprice=parseInt(document.getElementById("NetworkCard").value);
    }
    else {
        networkcardprice=0;
    }

    // get modem price
    if (document.getElementById("Modem").checked) {
        modemprice=parseInt(document.getElementById("Modem").value);
    }
    else {
        modemprice=0;
    }

    // get total price
    totalprice=1000 + processorprice + harddriveprice + memoryprice + networkcardprice + modemprice;
    document.getElementById("TotalPrice").value=totalprice;
}
</script>

```