**CSC 5750 – Principles of Web Technology**

**Homework 2 – [your name]**

**25 points – Due February 8, 5pm**

**Late deadline is February 10, 11:59pm, but 20% off**

**a)** Save this document with your name and the homework number somewhere in the file name.

**b)** Type/paste your answers into the document.

**c)** Gather the following files into a ZIP file:

● This document

● Main page (.HTML) and associated images

● Login Admin page (.HTML)

● Login page (.HTML)

● Inventory Manager page (.HTML)

● CSS file (.CSS)

● Any other optional files specific to your implementation

**d)** Submit the ZIP file to the Blackboard item where you downloaded this document.

You've opened a storefront business to sell products and/or services. It's been successful so far. Now you need to add a web page to track inventory for the business. Enhance the web site you created in Homework 1 with the following changes:

**Main page**

Add a link in the menu to the Login page (described below).

**Login Admin page**

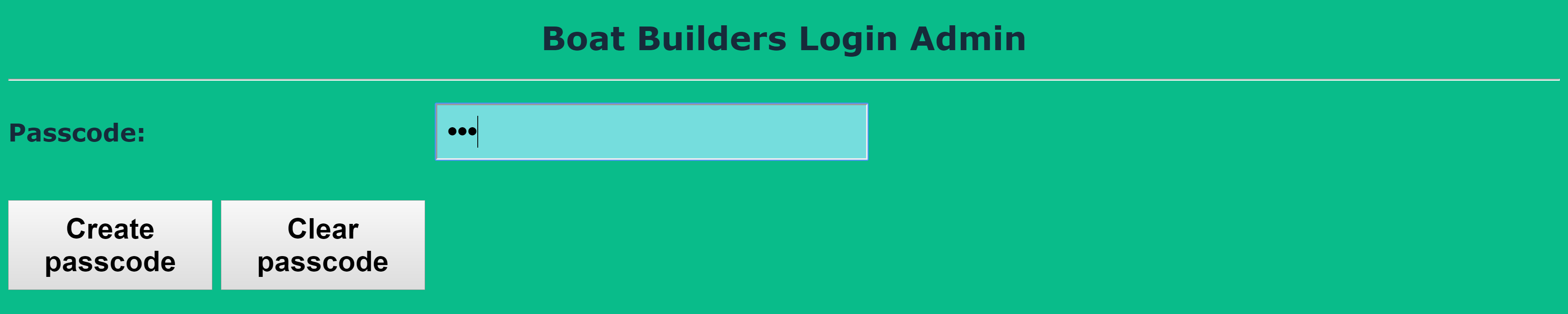
Add a **Login Admin page** to enable your staff to set and clear a passcode. The passcode will be used to access the Inventory Manager page (described below). Use local storage to store the passcode. The page has the following controls:

● Passcode label and password-style text box

● Create passcode button – triggers code to check the passcode. If blank, it shows an error message. If not blank, it saves the passcode in local storage.

● Clear passcode button – triggers code to remove the passcode from local storage.

The page is accessed separately from all other pages (don't link to it from any other page).



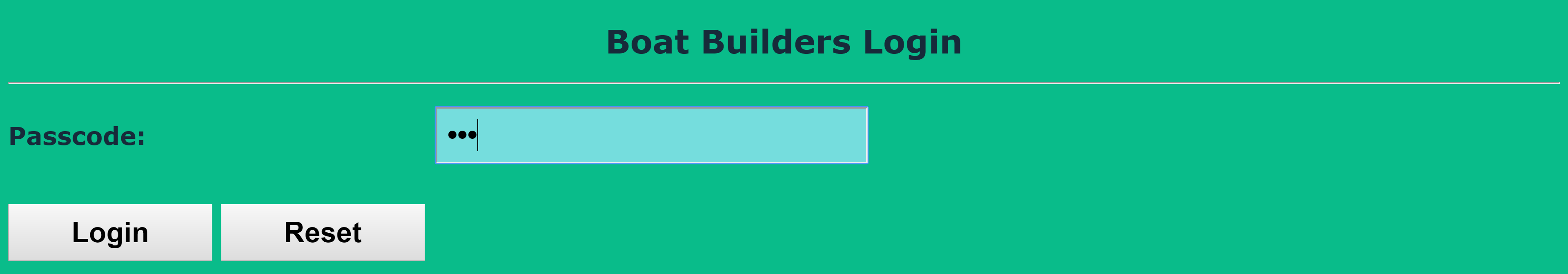
**Login page**

Add a **Login page** to enable your staff to log in the Inventory Manager page (described below). The page has the following controls:

● Passcode label and password-style text box

● Login button – triggers code to check the passcode. If blank, it shows an error message. If not blank, it checks if it is valid. If invalid, it shows and error message. If valid, it opens the Casher page.

● Reset button – triggers code to clear the passcode text box.



**Inventory Manager page**

Add an **Inventory Manager page** to enable your staff to view the current inventory count and value for any product, and change that inventory count. The page has the following controls:

● **Product:** label and combo box – this shows the currently selected product. Data for the combo box comes from a global 7x3 products array. Create the two-dimensional array with an initializer list. Each row corresponds to one of your products. Within each row, specify three values: product name (string), current inventory count (integer), product unit cost (real number). Set the first row to the following values:

"Select product ...", 0, 0

This will be the default value. Create **function loadComboBox** that reads through the products array, extracts products names, and builds combo box options. Trigger the call to loadComboBox when the page loads using:

<body onload="loadComboBox()">

● **Show Info** button – once a product is selected from the combo box, this button triggers a function to use the selected product (use property selectedIndex) to retrieve and display its current inventory count and product unit cost, and calculate the value of the inventory for that product (count \* cost).

● **Count:** label and read-only text box – this shows the current inventory count of the selected product.

● **Cost ($):** label and read-only text box – this shows the product unit cost of the selected product.

● **Value ($):** label and read-only text box – this shows the inventory value of the selected product.

● **Ordered** and **Sold** radio buttons – these indicate what inventory change to make. "Ordered" adds to the inventory count. "Sold" subtracts from the inventory count.

● **Amount:** label and text (number) box – this enables the user to enter the amount ordered or sold. It is restricted to the range 1-100. This is the amount that the product inventory will change by.

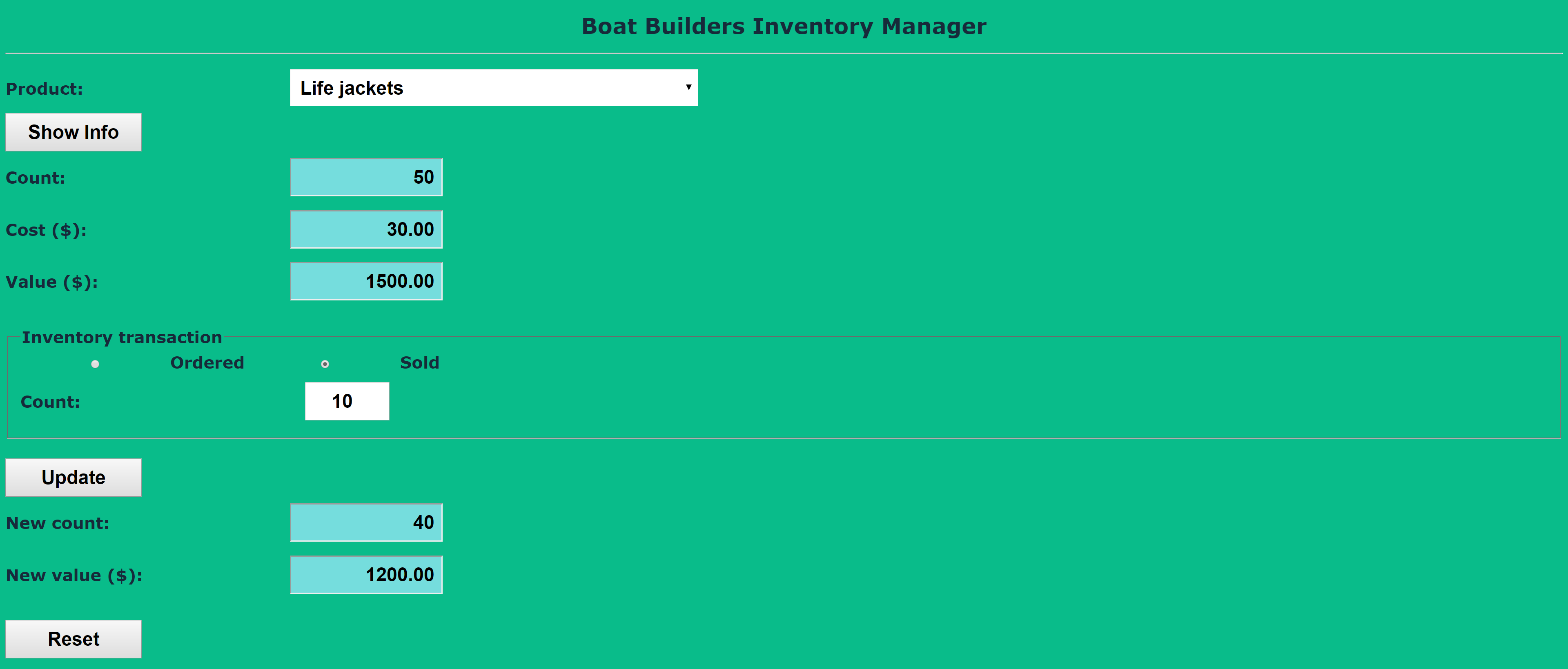
● **Update** button – this button triggers a function to query the radio buttons and calculate and show the new inventory count and value of the inventory for that product.

● **New count:** label and read-only text box – this shows the updated inventory count of the selected product.

● **New value ($):** label and read-only text box – this shows the updated inventory value of the selected product.

● **Reset** button – this button triggers a function that clears *all* controls on the page.

Here is what the page might look like. Note that editable and read-only text boxes have different background colors.



**Styles (CSS) page**

Edit the **Styles page** with any needed additional styles.

**Other code**

In order to round all calculations to two decimal places, add the following JavaScript function **roundNumber**:

//==================================================

// roundNumber

//==================================================

function roundNumber(num)

{

return Math.round(num\*100)/100;

}

**Screenshots**

Include the following screenshots in this document:

● Login Admin page – no passcode specified.

● Login page – no passcode specified.

● Login page – incorrect passcode.

● Inventory Manager page –two products ordered and sold (four screenshots).

● Main page.

**Login Admin page**

*[your Login Admin page HTML code here]\**

<!DOCTYPE html>

<html lang="en">

<!-- HEADER -->

<head>

<link rel="stylesheet" type="text/css" href="stylesheet.css">

<link href="https://fonts.googleapis.com/css?family=Orbitron" rel="stylesheet">

</head>

<!-- BODY -->

<body>

<h1 style="text-align: center">I.T Admin Login</h1>

<hr>

<form id="AdminForm" style="font-family: Orbitron; color: #bcbcbc; margin-left: 10%">

<label>Password: &nbsp;&nbsp;&nbsp;</label>

<input name="adminBox" id="admin\_password" type="password">

<br><br>

<label>Display: &nbsp;&nbsp;&nbsp;</label>

<input name="show" type="text" id="showPass">

<br><br>

<button type="button" onclick="savePass()">Create</button>

<button type="button" onclick="displayPass()">Show</button>

<button type="button" onclick="clearPass()">Clear</button>

</form>

<br>

<form action="Home.html" style="font-family:Orbitron;color: #bcbcbc;margin-left: 10%">

<input type="submit" value="Home Page" />

</form>

<script type="text/javascript">

var pass = document.getElementById("admin\_password");

var showpass = document.getElementById("showPass");

function savePass() {

localStorage.setItem("adminBox", pass.value);

}

function displayPass(){

showpass.value= localStorage.getItem("adminBox");

}

function clearPass(){

document.getElementById("AdminForm").reset();

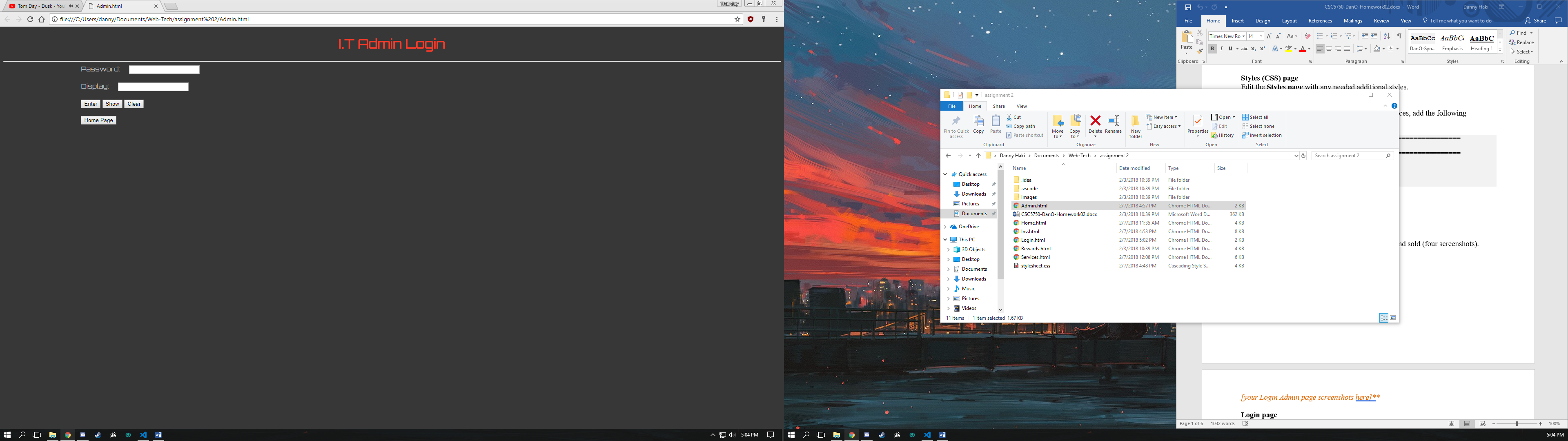
}

</script>

</body>

</html>

*[your Login Admin page screenshots here]\*\**



**Login page**

*[your Login page HTML code here]\**

<!DOCTYPE html>

<html lang="en">

<!-- HEADER -->

<head>

<link rel="stylesheet" type="text/css" href="stylesheet.css">

<link href="https://fonts.googleapis.com/css?family=Orbitron" rel="stylesheet">

</head>

<!-- BODY -->

<body>

<div id="blackBox">

<ul id="nav">

<li><a href="Home.html"><h2 style="font-size: 10px; font-family: Orbitron">Home</h2></a></li>

<li><a href="Services.html"><h2 style="font-size: 10px; font-family: Orbitron">Services</h2></a></li>

<li><a href="Rewards.html"><h2 style="font-size: 10px; font-family: Orbitron">Rewards</h2></a></li>

<li><a href="Login.html"><h2 style="font-size: 10px; font-family: Orbitron">Login</h2></a></li>

</ul>

</div>

<h1 style="text-align: center">Login</h1>

<hr>

<form id="LoginForm"style="font-family: Orbitron; color: #bcbcbc; margin-left: 10%">

<label>Password: &nbsp;&nbsp;&nbsp;</label>

<input name="loginBox" id="user\_password" type="password">

<br><br>

<button type="button" onclick="compare()">Login</button> &nbsp;&nbsp;

<button type="button" onclick="clearPass()">Clear</button>

</form>

<br>

<script type="text/javascript">

var pass = document.getElementById("user\_password");

function compare() {

if(localStorage.getItem("adminBox")!==pass.value){

alert("Password you have entered is incorrect!");

}

else{

location.href = 'Inv.html';

}

}

function clearPass(){

document.getElementById("LoginForm").reset();

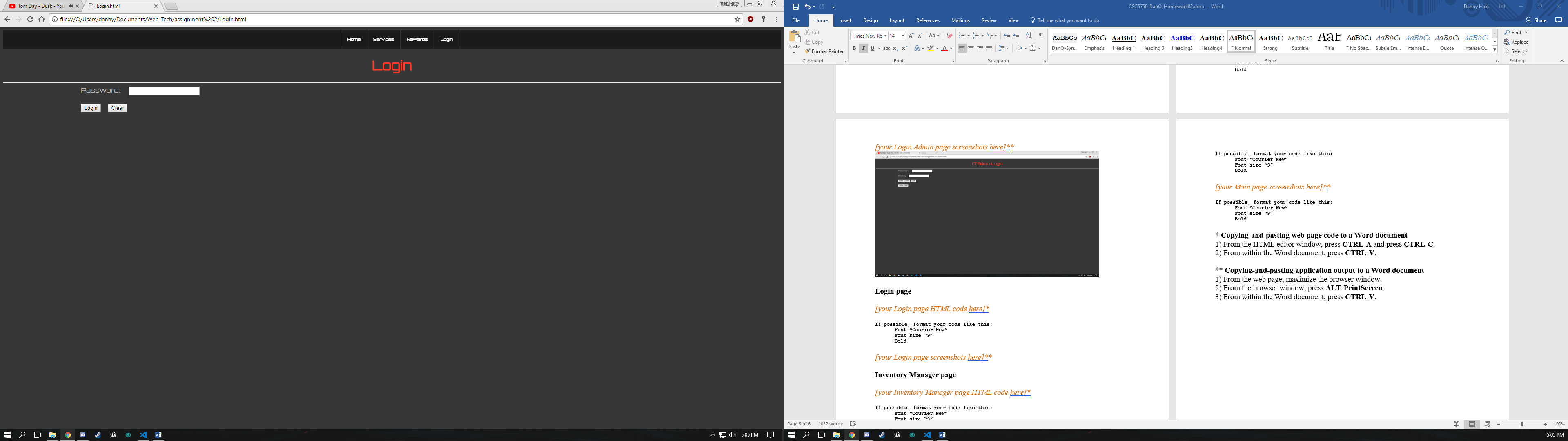
}

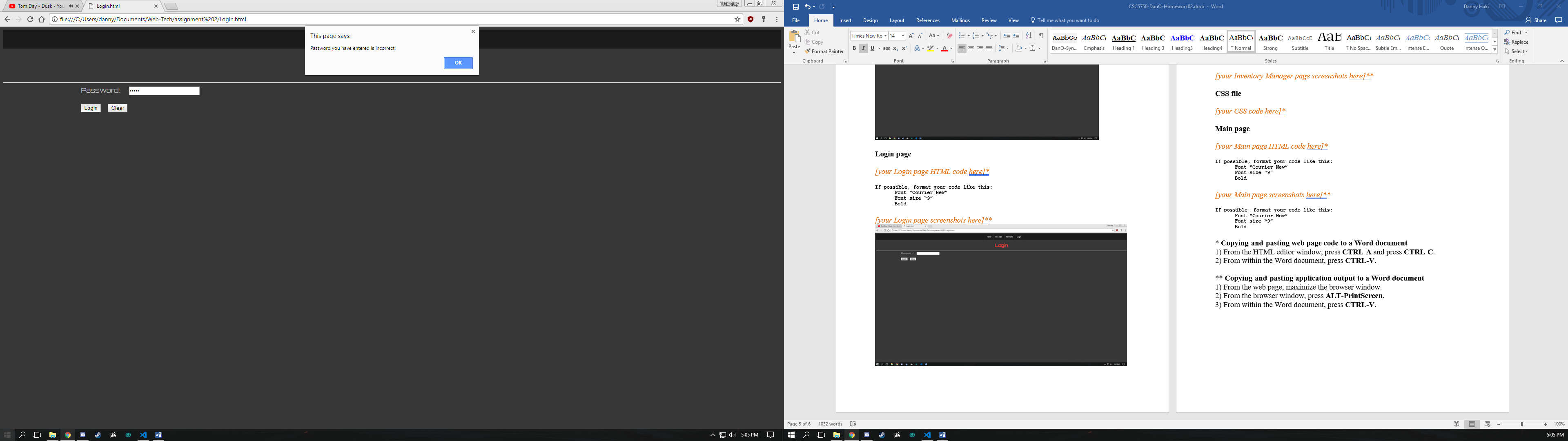
</script>

</body>

</html>

*[your Login page screenshots here]\*\**





**Inventory Manager page**

*[your Inventory Manager page HTML code here]\**

<!DOCTYPE html>

<html lang="en">

<!-- HEADER -->

<head>

<link rel="stylesheet" type="text/css" href="stylesheet.css">

<link href="https://fonts.googleapis.com/css?family=Orbitron" rel="stylesheet">

</head>

<!-- BODY -->

<body onload="runArray()">

<div id="blackBox">

<ul id="nav">

<li><a href="Home.html"><h2 style="font-size: 10px; font-family: Orbitron">Home</h2></a></li>

<li><a href="Services.html"><h2 style="font-size: 10px; font-family: Orbitron">Services</h2></a></li>

<li><a href="Rewards.html"><h2 style="font-size: 10px; font-family: Orbitron">Rewards</h2></a></li>

<li><a href="Login.html"><h2 style="font-size: 10px; font-family: Orbitron">Login</h2></a></li>

</ul>

</div>

<h1 style="text-align: center">Inventory Manager</h1>

<hr>

<form id="form1" style="font-family: Orbitron; color: #bcbcbc; margin-left: 10%">

<label>Product: &nbsp;&nbsp;&nbsp;</label>

<br>

<!-- COMBO BOX -->

<select id="Product" name="selectProduct">

<option value="Empty" selected>---------</option>

<option value="PC\_Repair" id="PCR">Hardware Repair</option>

<option value="Soft\_Repair" id="SR">Software Cleanup</option>

<option value="Home\_Support" id="HS">Home Support</option>

</select>

<br><br>

<button type="button" onclick="choice()">Show Info</button>

<br><br>

<label>Count:</label>

<br>

<textarea id="demo" style="align-items:center" onchange="setTwoNumberDecimal"></textarea> <br><br>

<label>Cost ($):</label>

<br>

<textarea id="demo1" style="align-items:center"></textarea> <br><br>

<label>Value ($):</label>

<br>

<textarea id="demo2" style="align-items:center"></textarea> <br><br>

</form>

<br>

<!-- RADIO BUTTONS -->

<fieldset style="width:400px">

<legend>Inventory Transaction </legend>

<form id="OrderUP">

<input type="radio" name="Order" id="add">Ordered <br>

<input type="radio" name="Order" id="subtract">Sold<br>

<br><br>

<label>Count:</label><br>

<input style="width: 50px" id="count" type="number" min="0">

</form>

</fieldset>

<br><br>

<button type="submit" style="margin-left: 10%"onclick="Order\_Update()">Update</button> &nbsp;&nbsp;&nbsp;

<button type="submit" onclick="reset()">Reset</button>

<br><br>

<form id="result">

<!-- NEW COUNT -->

<label style="font-family: Orbitron; color: #bcbcbc; margin-left: 10%">New Count: </label>

<br>

<textarea style="margin-left: 10%" id="newAmount"></textarea>

<br><br>

<!-- NEW VALUE -->

<label style="font-family: Orbitron; color: #bcbcbc; margin-left: 10%">New Value: </label>

<br>

<textarea style="margin-left: 10%" id="newValue"></textarea>

</form>

<script type="text/javascript">

var selected = document.getElementById("Product");

var Radio = document.getElementById("OrderUP");

//MAKE THE ARRAY

function runArray(){

return [

[10, 25,0],

[5, 40, 0],

[7, 50, 0]

]

}

var arr = runArray();

function Order\_Update(){

//ADD OR REMOVE FROM COUNT

var x = parseFloat(document.getElementById("count").value);

if(document.getElementById("add").checked){

if(selected.value == "PC\_Repair"){

arr[0][0] = arr[0][0] + +x;

arr[0][2] = arr[0][0] \* arr[0][1];

document.getElementById("newAmount").innerHTML = arr[0][0];

document.getElementById("newValue").innerHTML = arr[0][2];

}

else if(selected.value == "Soft\_Repair"){

arr[1][0] = arr[1][0] + +x;

arr[1][2] = arr[1][0] \* arr[1][1];

document.getElementById("newAmount").innerHTML = arr[1][0];

document.getElementById("newValue").innerHTML = arr[1][2];

}

else if(selected.value == "Home\_Support"){

arr[2][0] = arr[2][0] + +x;

arr[2][2] = arr[2][0] \* arr[2][1];

document.getElementById("newAmount").innerHTML = arr[2][0];

document.getElementById("newValue").innerHTML = arr[2][2];

}

}

else if(document.getElementById("subtract").checked){

if(selected.value == "PC\_Repair"){

arr[0][0] = arr[0][0] - +x;

arr[0][2] = arr[0][0] \* arr[0][1];

document.getElementById("newAmount").innerHTML = arr[0][0];

document.getElementById("newValue").innerHTML = arr[0][2];

}

else if(selected.value == "Soft\_Repair"){

arr[1][0] = arr[1][0] - +x;

arr[1][2] = arr[1][0] \* arr[1][1];

document.getElementById("newAmount").innerHTML = arr[1][0];

document.getElementById("newValue").innerHTML = arr[1][2];

}

else if(selected.value == "Home\_Support"){

arr[2][0] = arr[2][0] - +x;

arr[2][2] = arr[2][0] \* arr[2][1];

document.getElementById("newAmount").innerHTML = arr[2][0];

document.getElementById("newValue").innerHTML = arr[2][2];

}

}

else{

alert("You have not selected a product to edit!");

}

}

//POPULATE THE COMBOBOX

function choice(){

if(selected.value == "PC\_Repair"){

arr[0][2] = arr[0][0] \* arr[0][1];

document.getElementById("demo").value = arr[0][0];

document.getElementById("demo1").value = arr[0][1];

document.getElementById("demo2").value = arr[0][2];

}

else if(selected.value == "Soft\_Repair"){

arr[1][2] = arr[1][0] \* arr[1][1];

document.getElementById("demo").value = arr[1][0];

document.getElementById("demo1").value = arr[1][1];

document.getElementById("demo2").value = arr[1][2];

}

else if(selected.value == "Home\_Support"){

arr[2][2] = arr[2][0] \* arr[2][1];

document.getElementById("demo").value = arr[2][0];

document.getElementById("demo1").value = arr[2][1];

document.getElementById("demo2").value = arr[2][2];

}

}

function reset(){

document.getElementById("form1").reset();

document.getElementById("OrderUP").reset();

document.getElementById("result").reset();

}

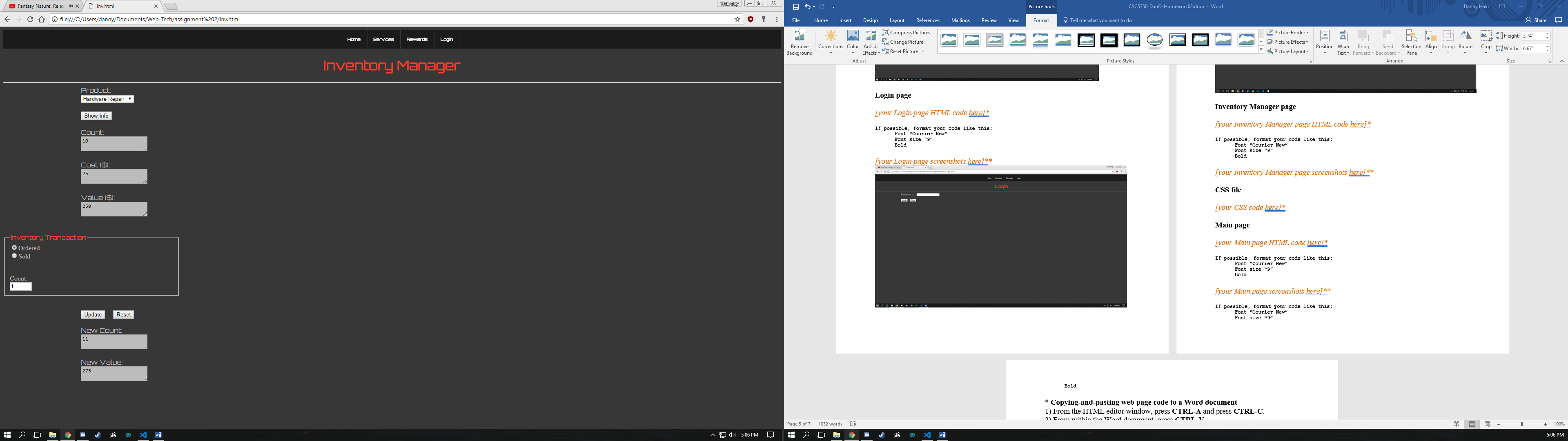
</script>

</body>

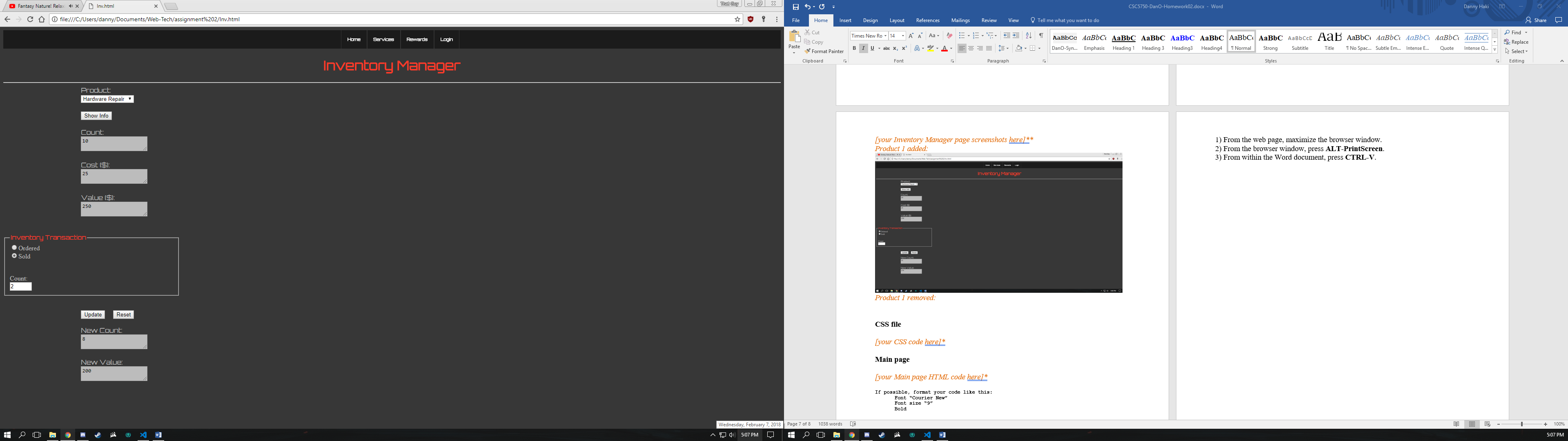
</html>

*[your Inventory Manager page screenshots here]\*\**

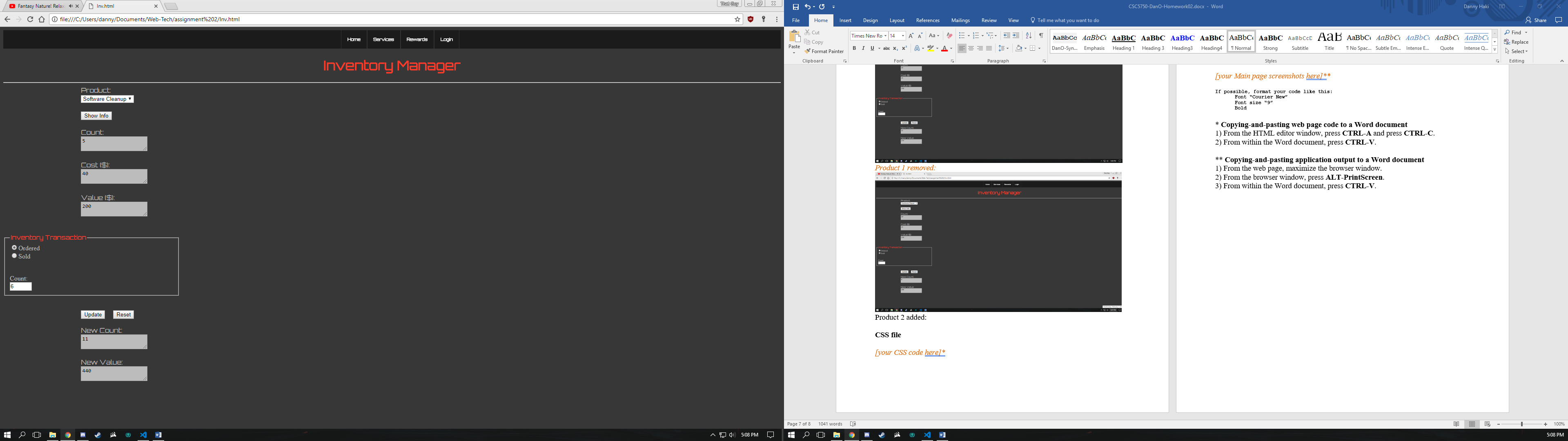
*Product 1 added:*



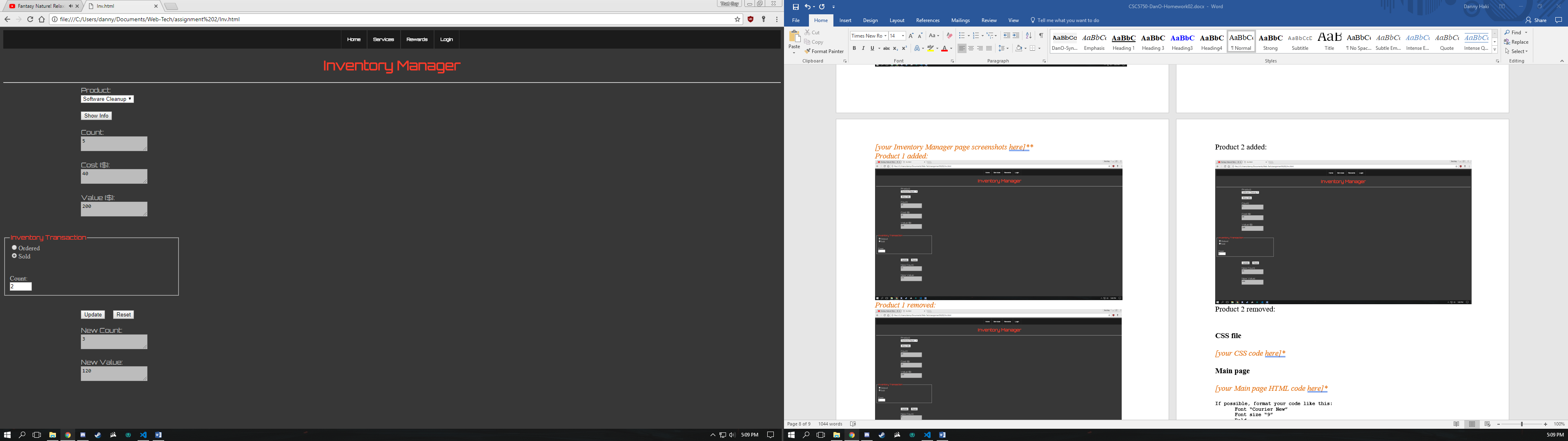
*Product 1 removed:*



Product 2 added:



Product 2 removed:



**CSS file**

/\*--------------------------------------------------------------------------------------------------

NAVIGATION BAR

--------------------------------------------------------------------------------------------------\*/

#blackBox {

background-color: #1b1b1b;

width:100%;

display: flex;

justify-content: center;

}

#nav {

background-color: #1b1b1b;

margin: 0;

}

#nav ul {

list-style: none;

width: 100%;

}

#nav li {

float: left;

display:inline;

}

#nav li a {

display: block;

color: white;

text-decoration: none;

padding: 8px 15px;

border-right: .5pt solid #333333;

border-left: .5pt solid #333333;

transition: all .3s;

}

#nav li a:hover {

margin:10px;

background-color: #ff3a29;

box-shadow: 2px 2px 10px rgba(255,255,255,.17),-2px 2px 10px rgba(255,255,255,.17);

}

/\*--------------------------------------------------------------------------------------------------

HEADER

--------------------------------------------------------------------------------------------------\*/

header {

position: absolute;

width: 100%;

}

/\*--------------------------------------------------------------------------------------------------

BODY

--------------------------------------------------------------------------------------------------\*/

body {

padding: 0;

background-size: cover;

background-color: #373737;

}

#content {

color: #bcbcbc;

display: block;

background-image: url("Images/Logotransback.png");

background-repeat: no-repeat;

background-position: center;

background-attachment: fixed;

background-color: #373737;

margin: 0 5%;

box-shadow: 2px 2px 10px rgba(255, 255, 255, 0.4),-2px 2px 10px rgba(255, 255, 255, 0.44);

padding: 50px 60px;

background-size: 500px;

}

.container{

display: flex;

padding-left: 10%;

flex-direction: row;

align-items: center;

}

.item{

order: 1;

flex-grow: 1;

padding-right: 10%;

font-family: Orbitron;

font-size: 14px

}

/\*-----------------------------------------------------------------------------------------------

EXTRAS

--------------------------------------------------------------------------------------------------\*/

.shadow {

box-shadow: 5px 5px 30px rgba(256,256,256,.2),-5px 5px 30px rgba(256,256,256,.2);

}

form {

color: #bcbcbc;

}

fieldset legend {

font-size: 15px;

color: #ff3a29;

font-family: Orbitron

}

fieldset {

display: block;

}

h1{

font-family: Orbitron;

color: #ff3a29;

}

hr{

color: #f2f2f2;

}

textarea{

background-color: #bcbcbc;

}

/\*--------------------------------------------------------------------------------------------------

TABLE

--------------------------------------------------------------------------------------------------\*/

#customers {

font-family: Orbitron;

border-collapse: collapse;

width: 75%;

}

#customers td, #customers th {

border: 1px solid #ddd;

padding: 8px;

}

#customers tr{

background-color: #f2f2f2;

}

#customers tr:hover {

background-color: #ff3a29;

}

#customers th {

padding-top: 12px;

padding-bottom: 12px;

text-align: left;

background-color: #1b1b1b;

color: #bcbcbc;

}

/\*--------------------------------------------------------------------------------------------------

FOOTER

--------------------------------------------------------------------------------------------------\*/

footer{

background-color: #1b1b1b;

width:100%;

height: 200px;

bottom:0

}

address{

margin-left: 20px;

}

**Main page**

<!DOCTYPE html>

<html lang="en">

<!-- HEADER -->

<head>

<link rel="stylesheet" type="text/css" href="stylesheet.css">

<link href="https://fonts.googleapis.com/css?family=Orbitron" rel="stylesheet">

</head>

<!-- BODY -->

<body>

<div id="blackBox">

<ul id="nav">

<li><a href="Home.html"><h2 style="font-size: 10px; font-family: Orbitron">Home</h2></a></li>

<li><a href="Services.html"><h2 style="font-size: 10px; font-family: Orbitron">Services</h2></a></li>

<li><a href="Rewards.html"><h2 style="font-size: 10px; font-family: Orbitron">Rewards</h2></a></li>

<li><a href="Login.html"><h2 style="font-size: 10px; font-family: Orbitron">Login</h2></a></li>

</ul>

</div>

<!-- INTRO -->

<fieldset style="padding-right: 10px; padding-top: 15px;" >

<legend><h2 style="font-size: 15px;padding-left: 10%; color: #ff3a29; font-family: Orbitron; margin-right:20%">Welcome &nbsp;</h2></legend>

<p style="font-size:15px;color: #bcbcbc; font-family:Orbitron">The purpose of this website is to provide I.T services to all who require them.

Here you will find information on what specific services are available and the costs included.

</p>

<br><br>

</fieldset>

<br><br>

<div id="content">

<h2 style="text-align: center; color: #ff3a29; font-family: Orbitron">Featured Service</h2>

<br>

<div class="container">

<div class="item">

<p>

Our Featured Service is the IT support home visit. If you or a loved one need

technical assistance at home, give us a call!

</p>

</div>

<div class="item">

<img src="Images/IThelp.jpg" style="height: 200px; width: 350px;">

</div>

</div>

<br><br>

<h2 style="text-align: center; color: #ff3a29;margin-top: 30px; font-family: Orbitron">Store Hours</h2>

<div class="container">

<div class="item">

<p>

Please keep in mind that our store hours change based on holidays and speciel events!

</p>

</div>

<div class="item" id="Hours">

<p> M: 10 AM - 6 PM</p>

<p> T: 9 AM - 5 PM</p>

<p> W: 10 AM - 6 PM</p>

<p> TH: 9 AM - 5 PM </p>

<p> F: 10 AM - 6 PM</p>

<p> Sat/Sun: 9 AM - 12 PM</p>

</div>

</div>

<h2 style="text-align: center; color: #ff3a29;margin-top: 30px;margin-bottom: 30px; font-family: Orbitron">Location</h2>

<div class="container">

<div class="item">

<p>

Store Location: 12345 Elm Street

</p>

</div>

<div class="item">

<img src="Images/StoreLocation.png"style="height: 300px;width:500px;">

</div>

</div>

</div>

<br><br>

</body>

<br><br>

<!-- FOOTER -->

<footer>

<br><br>

<address style="font-family: Orbitron; color: #bcbcbc;">

Written by <a href="mailto:webmaster@example.com" style="color: #ff3a29">Danny Haki</a><br>

Visit us at: <span style="color: #ff3a29">12345 Elm Street</span><br>

Phone: <span style="color: #ff3a29">555-555-5555</span><br>

Itsupportnotreal.com<br>

Box 555, Imaginaryland<br>

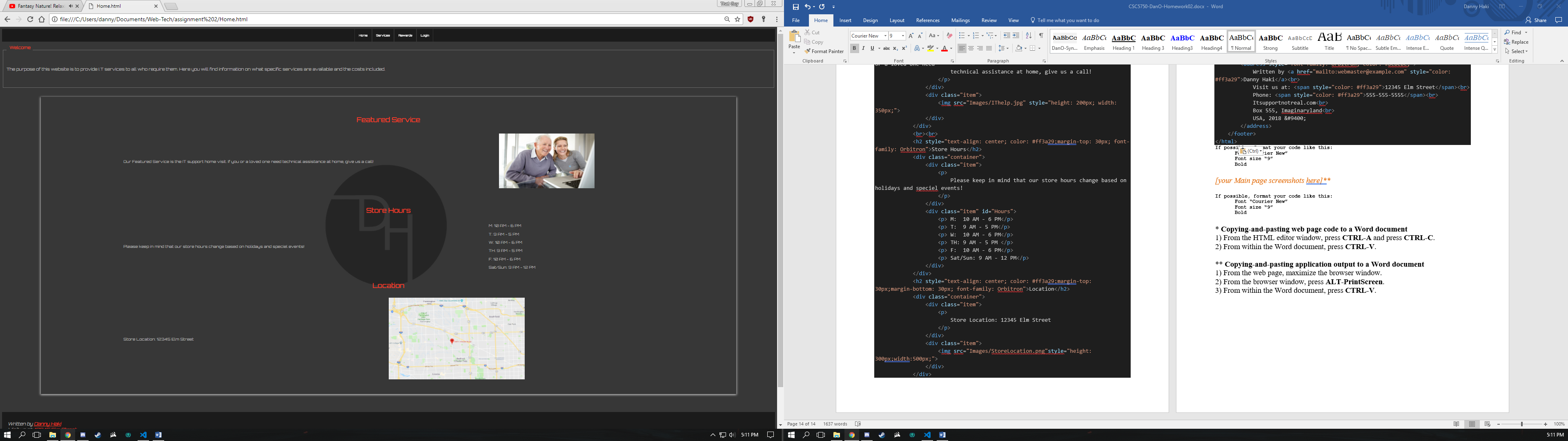
USA, 2018 &#9400;

</address>

</footer>

</html>

*[your Main page screenshots here]\*\**



\* **Copying-and-pasting web page code to a Word document**

1) From the HTML editor window, press **CTRL-A** and press **CTRL-C**.

2) From within the Word document, press **CTRL-V**.

\*\* **Copying-and-pasting application output to a Word document**

1) From the web page, maximize the browser window.

2) From the browser window, press **ALT-PrintScreen**.

3) From within the Word document, press **CTRL-V**.