Part 1-

So this term, we’ll look Locate the online article or web site that discusses how a company used ASP.NET to build their content management system. (About 2 full paragraphs).

This term the *ASP.NET software CMS platform* assigned is: Kentico, <http://www.kentico.com/>

1. Describe the company, the cost, where the data is stored (files or database), if the system is open source or proprietary.

The company is an all-in-one CMS, E-commerce, and Online Marketing platform that lets you build websites. They also offer training, exams, consulting, and audits for a wide range of prices from $1,000 up to $5,000. You can also purchase a website license for $3,499 up to $14,999.

1. Compare the cost, features and benefits of the software from other products such as WordPress.

After looking up other products such as WordPress, I believe that Kentico is more expensive than average. WordPress charges monthly with options such as Lite- $9, basic- $29, pro- $79, and unlimited- $179.

1. Describe one national/international company that is using the software. Describe how the technologies helped solve the problems for companies.

Microsoft is a company that is using the software. It has helped them solve problems because it is user friendly and very flexible. It helps with create websites where they can market their products effectively and in return make more profits.

Part 2-

Both PHP and ASP are server-side technologies and HTML, CSS and JavaScript are client-side technologies.

1. Based on the lesson and your readings discuss the **similarities and differences*between client-side scripting and server-side programming***. Remember that you need to put this *in your own words* and not copy from the text or other web sites!

The client-side is the web-browser such as Chrome or Internet Explorer and the web action takes place locally on the user’s computer. The server-side is the when the code runs on the web server and after it is finished running, it will send the user the final result. ASP.NET uses server-side programming.

2. This term the please ***compare and contrast*** the following: (You will be responsible for all of these on the final exam!)

1. **DocType** in the HTML page and the **@Page** declaration in the ASP page. ***Provide examples!***

DocType is the very first thing on the HTML page and is used to tell the browser what version of HTML the page will be written in.

<!DOCTYPE html>

<html>

<head>

<title>Title of the document</title>

</head>

<body>

The content of the document......

</body>

</html>

The @Page directive means that it is a web form.

1. The **<input>** tag in HTML and the **<asp:Textbox>** tag

Input tags are used within a form in HTML to allow the user to input data.

<form action="985830@park.edu ">  
  First name: <input type="text" name="First Name"><br>  
  Last name: <input type="text" name="Last Name"><br>  
  <input type="submit" value="Submit">  
</form>

The <asp:Textbox> tag is C# way of allowing the user to input data into a textbox.

1. The **<label>** tag in HTML and the **<label runat="server" id="content"/>** tag

The Label tag in HTML defines a label for an input element.

<form action=" ">

<label for="female">female</label>

<input type="radio" name="gender" id="female" value="female"><br>

</ form>

The runat= “server” tells the compiler that the script will be run on server side and the id is just a name of the label to keep track of it and be able to use it to perform tasks.

Part 3-

**Review elements new in** **HTML 5**(<http://www.w3schools.com/html/html5_new_elements.asp>) with their attributes included and CSS 3 style rules (<http://www.w3schools.com/css/css3_intro.asp> and <http://www.w3schools.com/cssref/default.asp>).

For example with an *anchor* <a> tag you would include *href* and *target* in your example. You would not use *bgsound* with the body tag because it’s no longer supported. Some tags are deprecated. (<http://www.tutorialspoint.com/html5/html5_deprecated_tags.htm>) Refer to the W3Schools.com and W3.org web site for the list of tags supported in HTML 5. (You will be responsible for all of these on the final exam!) New tags are indicated with an asterisk (\*).

* Html- tells the browser it’s going to be an HTML document
* Meta- provides metadata about the HTML document. (data about data) can’t see on the actual webpage
* Link- defines a link between a document and external resource.
* Style – used to define style info about the code
* Body- defines the body-what you actually can see on the webpage
* a- defines a hyperlink used to link one page to another.
* p- defines a paragraph
* br- inserts a break line (white space between sentences)
* h1- defines the most important heading. Headings can range from h1 to h6.
* div- defines a division or section in the HTML document.
* Span- used to group inline-elements in a document.
* Form- used to create an HTML form for user input.
* Input- specifies an input field where the user can enter data.
* Table- defines an HTML table.

An HTML table consists of the <table> element and one or more <tr>, <th>, and <td> elements.

The <tr> element defines a table row, the <th> element defines a table header, and the <td> element defines a table cell.

* article\*- specifies independent, self-contained content.
* section\*- defines sections in a document, such as chapters, headers, footers, or any other sections of the document.
* aside\*- defines some content aside from the content it is placed in.
* figure\*- specifies self-contained content, like illustrations, diagrams, photos, code listings, etc.
* header\*- represents a container for introductory content or a set of navigational links.
* footer\*- defines a footer for a document or section.
* menu\*- defines a list or menu of commands.
* nav\*- defines a set of navigation links
* main\*- specifies the main content of the code

***Directions:***

**1.** Create the **CSS style rules** for each of the following different elements. (You will be responsible for all of these on the final exam!)

* A **class** named **blueSection** that aligns the content to the center, is 15 pixels from the left margin, 14 points, italic, blue color (in hexadecimal format) and uses the Verdana font family.

.blueSection {

Float: left;

margin-left: 15px;

font-size: 14 pt;

font-family: Verdana;

color: # 0000ff;

}

* A **active hyperlink** that is only nested within the list item tag, nested within the unordered list tag, nested within the nav tags. The rule should make sure the link is bold and is red (in hexadecimal format) but is not underlined.

li uo nav a:active {

font-weight: bold;

color: #FF0000;

}

* A **hover hyperlink** that is also only nested within the list item tag, nested within the unordered list tag, nested within the nav tags. Format the rule so that the link is yellow and underlined.

li uo nav a:hover {

color: #FFFF00;

text-decoration: underline;

}

2. Write snippets of code using **JavaScript** that do the following.

* An example of an html textbox form field named **totalBooks** (both name and ID properties are configured the same)that uses **HTML**validation to make sure the form is filled out with a value **greater than 1**.

<form>

totalBooks:<br>

<input ID="totalBooks" name="totalBooks"><br>

</form>

function validateForm() {

var x = document.forms["totalBooks"].value;

if (x == null || x == "" & >1) {

alert("Number of Books must be filled out");

return false;

}

}

* Retrieve the value from a **totalBooks** form field named **Books**. The price of one **book** is $10.01.

var Value = 10.01;

var retrieve = document.getElementById("totalBooks").value;

* Calculate the total cost of **6** **books**. Use **alert method** to tell the user the total cost of their **shirts** such as “The total cost of your order is $60.06”. Make sure the calculation is in code!

function calculate()

{

var value1 = document.getElementById("value").value;

var result = value1 \* 6;

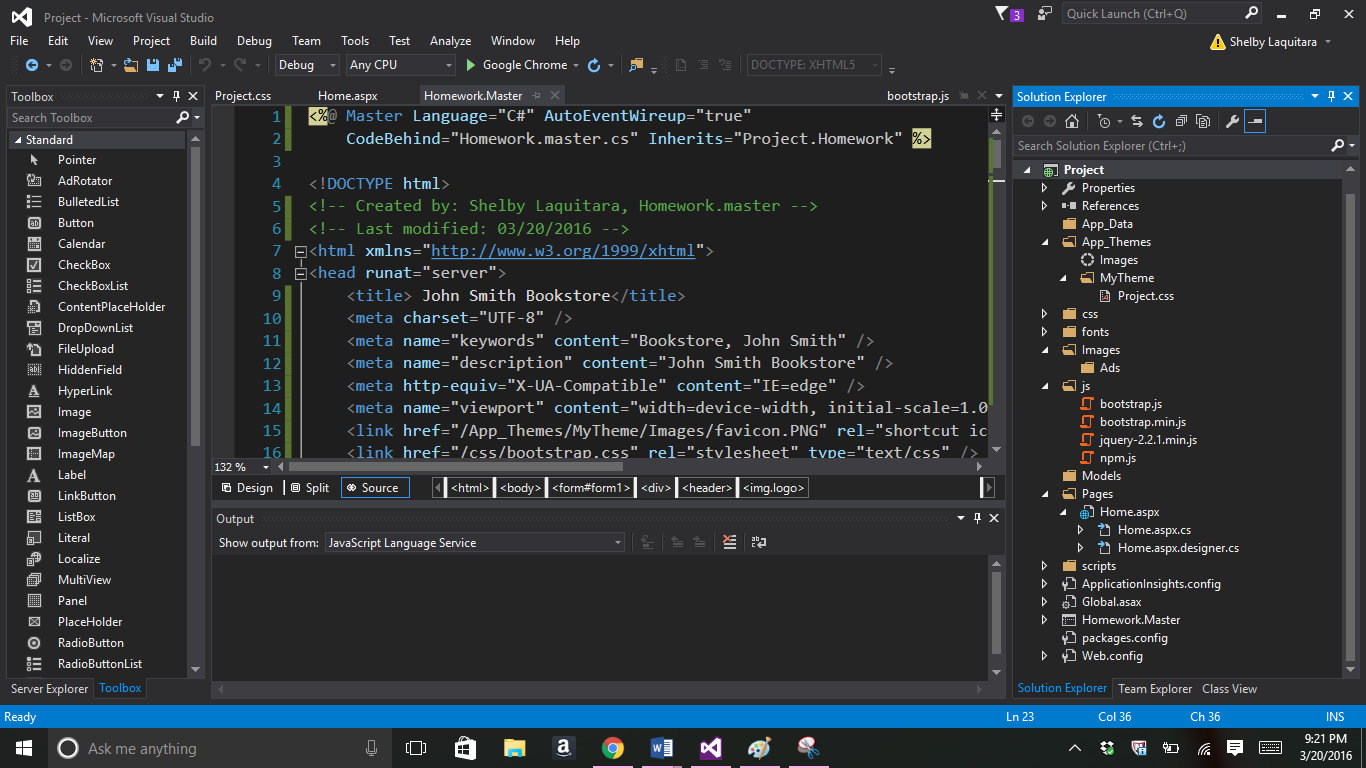
document.getElementById("result").innerHTML = result;

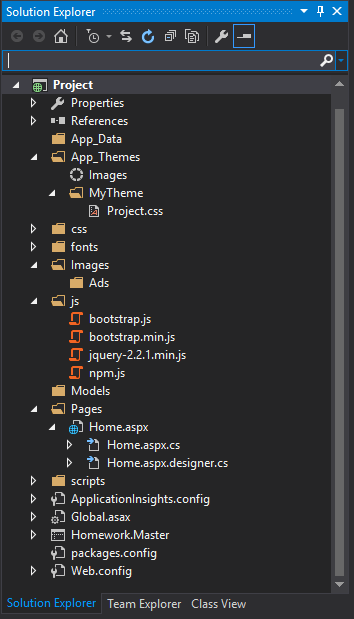
}

Alert(“The total cost of your order is $60.06”.)

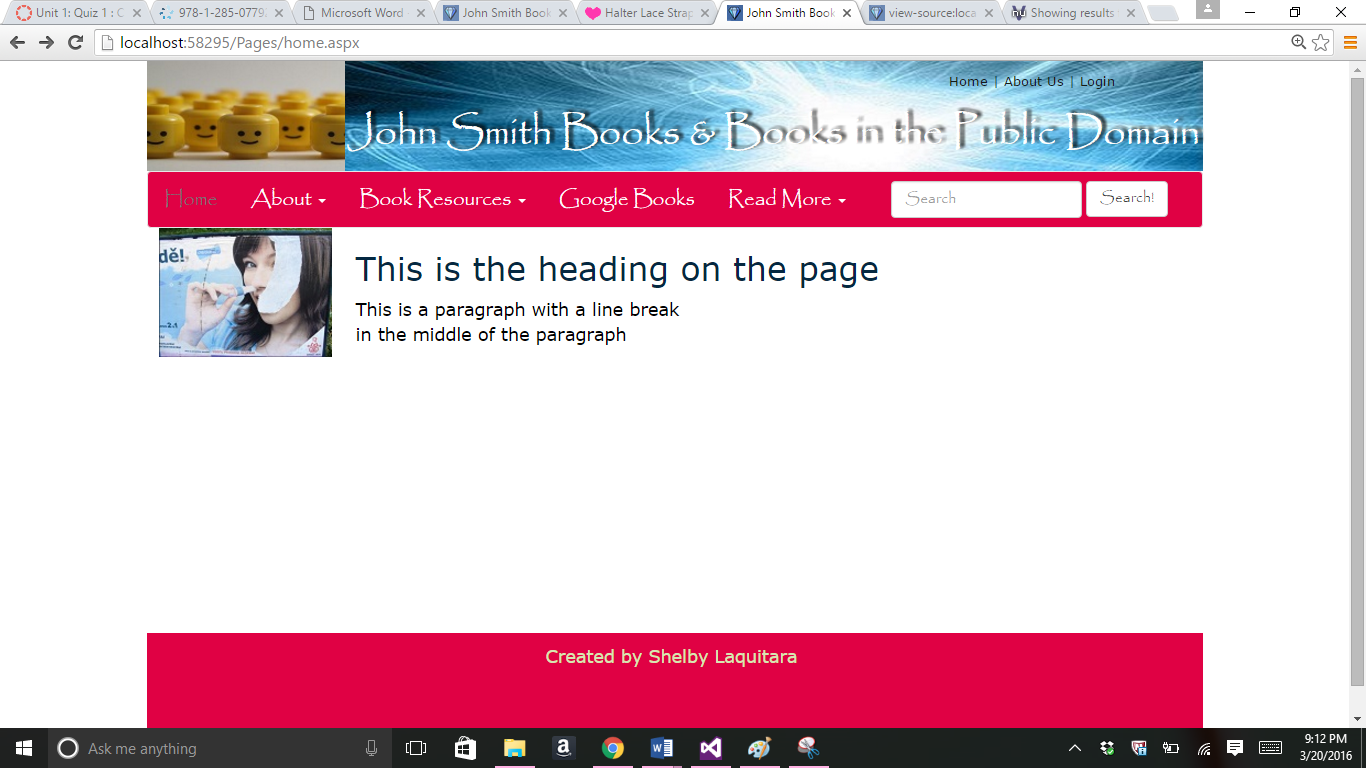
Part 4-

//screenshot of the project files in the Solution Explorer Window





// screenshot of Home.aspx



//code for Homework.master

<%@ Master Language="C#" AutoEventWireup="true"

CodeBehind="Homework.master.cs" Inherits="Project.Homework" %>

<!DOCTYPE html>

<!-- Created by: Shelby Laquitara, Homework.master -->

<!-- Last modified: 03/20/2016 -->

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title> John Smith Bookstore</title>

<meta charset="UTF-8" />

<meta name="keywords" content="Bookstore, John Smith" />

<meta name="description" content="John Smith Bookstore" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<link href="/App\_Themes/MyTheme/Images/favicon.PNG" rel="shortcut icon" />

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

<asp:ContentPlaceHolder ID="HeadSection" runat="server">

</asp:ContentPlaceHolder>

</head>

<body>

<form id="form1" runat="server">

<div>

<!-- insert header here -->

<header>

<!-- insert Top Menu here -->

<img class="logo" src="/App\_Themes/MyTheme/Images/Logo.jpg" alt="Logo" />

<nav class="topMenu">

<a href="home.aspx">Home</a> |

<a href="about.aspx">About Us</a> |

<a href="login.aspx">Login</a>

</nav>

<h1>John Smith Books &amp; Books in the Public Domain</h1>

</header>

<!-- ===================================================== -->

<!-- insert Horizontal Menu here -->

<nav class="navbar navbar-default">

<div class="container-fluid">

<div class="navbar-header">

<a class="navbar-brand" id="navbarHome" href="home.aspx">Home</a>

</div>

<!-- The nav links, forms, & other content for toggling -->

<div class="collapse navbar-collapse" id="defaultNavbar1">

<!-- Drop Down Menus -->

<ul class="nav navbar-nav">

<!-- First Drop Down -->

<li class="dropdown"><a href="about.aspx"

class="dropdown-toggle" data-toggle="dropdown"

role="button" aria-expanded="false">About

<span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="faq.aspx">FAQ</a></li>

<li><a href="calendar.aspx">Book Club Calendar</a></li>

<li><a href="ads.aspx">Ads About Books</a></li>

<li><a href="location.aspx">Location</a></li>

<li><a href="feedback.aspx">Feedback</a></li>

<li><a href="login.aspx">Login</a></li>

<li><a href="registration.aspx"></a>Registration</li>

<li><a href="private.aspx">Book Club Members Only</a></li>

<li><a href="http://www.google.com"> target="\_blank>Google</a></li>

</ul>

</li>

<!-- Second Drop Down -->

<li class="dropdown"><a href="#" class="dropdown-toggle"

data-toggle="dropdown" role="button" aria-expanded="false">

Book Resources <span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="multimedia.aspx">Movies about Books</a></li>

<li><a href="puzzle.aspx">Book Puzzle</a></li>

<!-- Line Dividers -->

<li class="divider"></li>

<li><a href="page1.aspx">Books in Public Domain</a></li>

<li><a href="page2.aspx">Gutenberg Books</a></li>

<li><a href="canvas.aspx">Book Drawing</a></li>

<li><a href="animation.aspx">Animated Books</a></li>

<li class="divider"></li>

<li><a href="xml.aspx">Other Book Resources</a></li>

</ul>

</li>

</ul>

<!-- Right Menu -->

<ul class="nav navbar-nav navbar-left">

<li><a href="http://books.google.com">Google Books</a></li>

<!-- Third Drop Down -->

<li class="dropdown"><a href="#" class="dropdown-toggle" data-toggle="dropdown"

role="button" aria-expanded="false">Read More <span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="http://www.amazon.com">Amazon.com</a></li>

<li class="divider"></li>

<li><a href="http://www.en.wikipedia.org">Wikipedia.org</a></li>

<li class="divider"></li>

<li><a href="http://www.gutenberg.org">Project Gutenberg</a></li>

<li class="divider"></li>

<li><a href="http://onlinebooks.library.upenn.edu">U. of Pennsylvania Library</a></li>

<li class="divider"></li>

</ul>

</li>

</ul>

<!-- Search Tools - Form -->

<div class="navbar-form navbar-right" role="search">

<div class="form-group">

<input type="text" class="form-control" placeholder="Search" />

</div>

<button type ="submit" class="btn btn-default">Search!</button>

</div>

</div> <!-- end navbar-collapse -->

</div> <!-- end container-fluid -->

</nav>

<!-- ===================================================== -->

<!-- insert left side here -->

<div class="main">

<!-- insert left side content here -->

<aside class="leftAside">

<!-- insert a link and image here -->

<p><a href="https://books.google.com">

<img src="/App\_Themes/MyTheme/Images/ad.jpg"

alt="Sample Image" width="157" height="117"

style="border-color:#0696AB;

border-image-width:10px;"/></a></p>

<!-- insert the AdRotator here -->

<br /><br />

<div id="appVars">

<!-- insert the number of online users here -->

</div>

</aside>

<!-- ===================================================== -->

<!-- insert main content here -->

<section class="content">

<asp:ContentPlaceHolder ID="ContentSection" runat="server">

</asp:ContentPlaceHolder>

</section>

<br class="brClear" />

</div>

<!-- ===================================================== -->

<!-- insert footer here -->

<footer>

Created by Shelby Laquitara

<br /><br />

<!-- insert the SiteMapPath below -->

<!-- insert the SitMapDataSource below -->

<br /><br />

</footer>

<script src="/js/jquery-1.11.2.min.js" type="text/javascript"></script>

<script src="/js/bootstrap.js" type="text/javascript"></script>

</div>

</form>

</body>

</html>

//code for web.config

<?xml version="1.0" encoding="utf-8"?>

<!--

For more information on how to configure your ASP.NET application, please visit

http://go.microsoft.com/fwlink/?LinkId=169433

-->

<configuration>

<system.web>

<!-- Set the theme-->

<pages theme="MyTheme"/>

<compilation debug="true" targetFramework="4.5.2"/>

<httpRuntime targetFramework="4.5.2"/>

<httpModules>

<add name="ApplicationInsightsWebTracking" type="Microsoft.ApplicationInsights.Web.ApplicationInsightsHttpModule, Microsoft.AI.Web"/>

</httpModules>

</system.web>

<system.codedom>

<compilers>

<compiler language="c#;cs;csharp" extension=".cs"

type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=1.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"

warningLevel="4" compilerOptions="/langversion:6 /nowarn:1659;1699;1701"/>

<compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"

type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=1.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"

warningLevel="4" compilerOptions="/langversion:14 /nowarn:41008 /define:\_MYTYPE=\&quot;Web\&quot; /optionInfer+"/>

</compilers>

</system.codedom>

<system.webServer>

<validation validateIntegratedModeConfiguration="false"/>

<modules>

<remove name="ApplicationInsightsWebTracking"/>

<add name="ApplicationInsightsWebTracking" type="Microsoft.ApplicationInsights.Web.ApplicationInsightsHttpModule, Microsoft.AI.Web"

preCondition="managedHandler"/>

</modules>

</system.webServer>

</configuration>

//code for Home.aspx

<%@ Page Title="" Language="C#" MasterPageFile="~/Homework.Master"

AutoEventWireup="true" CodeBehind="Home.aspx.cs" Inherits="Project.Pages.Home" %>

<asp:Content ID="Content1" ContentPlaceHolderID="HeadSection" runat="server">

<style>

h2 {

color: #f147c0;

}

</style>

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentSection" runat="server">

<h2>This is the heading on the page</h2>

<p>This is a paragraph with a line break <br />

in the middle of the paragraph</p>

<br /><br /><br /><br /><br /><br /><br /><br /><br /><br />

</asp:Content>

//code for Project.CSS

@charset "UTF-8";

/\* CSS Document \*/

/\* Shelby Laquitara, 03/20/2016, Project.css \*/

/\* =============================================================== \*/

/\* BOOTSTRAP - Overrule the styles that impacts the menu \*/

/\* =============================================================== \*/

.navbar {

width:960px;

margin: 0px auto;

background-color: #e00144;

color: #FFF;

}

.navbar-default .navbar-text{

color: #777;

}

.navbar-default .navbar-nav > li > a { /\* Menu text color \*/

color: #FFF;

}

.navbar-default .navbar-nav > li > a:hover,

.navbar-default .navbar-nav > li > a:focus {

color: #d8e6b3; /\* Main Menu Mouseover \*/

background-color: #042841;

}

.navbar- default .navbar-brand{ /\*navbar-default formats NAV tag \*/

color: #FFF; /\* navbar-brand - Home Button \*/

}

.navbar-default, .navbar-form, .navbar-collapse { /\*navbar-expand \*/

/\* navbar-brand - Home Button \*/

color: #FFF;

background-color: #e00144; /\* Menu background color \*/

font-family: Papyrus;

font-size: 14pt;

/\* background-color: transparent; use this if you want \*/

}

navbarHome:hover, #navbarHome:focus { /\* Home button only \*/

color: #d8e6b3;

background-color: #042841;

}

/\* If the dropdown is open, format the main navbar \*/

.navbar-default .navbar-nav > .open > a,

.navbar-default .navbar-nav > .open > a:hover,

.navbar-default .navbar-nav > .open > a:focus {

color: #d8e6b3;

background-color: #042841;

}

/\* =============================================================== \*/

/\* formats the DROPDOWN menu \*/

/\* =============================================================== \*/

.dropdown { /\* Used for the top/1st LI in the UL - DropDown menu \*/}

.dropdown-toggle{ /\* Used for the top/1st LI in the UL - DropDown menu \*/}

.dropdown-menu { /\* Used for the A in the LI - DropDown menu \*/}

.dropdown.dropdown-toggle > a { /\* Submenu and Top menu \*/

}

.dropdown-menu li a {

color: #042841; /\* Text color of submenu \*/

}

.dropdown-menu li a:hover {

background-color: #e00144;

color: #FFF /\* White mouseover submenu \*/

}

.dropdown-menu li a:focus {

background-color: #e00144;

color: #FFF; /\* Individual mouseover submenu \*/

}

.dropdown-toggle span{ /\* caret \*/

color: #FFF;

}

/\* ==================================== \*/

/\* DEFAULT STYLES - Project.css \*/

/\* ==================================== \*/

body {

margin: 0px auto;

/\* centers the page content \*/

background-color:#FFFFFF;

color:#000;

font-family:

Verdana,Arial,Helvetica,sans-serif;

font-size:12pt;

}

/\* HEADER SECTION \*/

header {

width:960px;

height:100px;

margin: 0px auto;

padding: 0px;

z-index: 100;

background-image: url(/App\_Themes/MyTheme/Images/banner.jpg);

background-color:#e00144;

/\* Pick a solid color \*/

background-size:960px 100px;

background-repeat:no-repeat;

}

.logo {

width:180px;

height:100px;

float:left;

}

.topMenu {

padding-right: 80px;

padding-top: 10px;

color:#042841;

text-align:right;

font-size: 9pt;

font-family:

Verdana, Geneva, sans-serif;

}

.topMenu a, a:visited {

text-decoration:none;

color:#141919;

}

.topMenu a:hover {

color:#cd2c31;

}

header h1 {

text-align:center;

padding-right: 0px;

color:#FFF;

font-family:Papyrus;

outline:1px 0px #d8e6b3;

/\* CSS 3 style \*/

text-shadow: 4px -2px 4px #000000;

}

/\* MIDDLE PAGE ROW \*/

.main {

width:960px;

padding: 0px 0px;

margin: 0px auto;

background-color: #FFF;

/\* Pick a light color \*/

}

/\* MAIN CONTENT SECTION - RIGHT\*/

.content {

width:780px;

padding: 0px 10px;

display:table-cell;

vertical-align:top;

}

.content h2 {

color:#042841;

}

.content a, a:visited {

text-decoration:none;

color:#141919;

}

.content a:hover {

color:#A69055;

}

/\* MENU SECTION - Bullet List LEFT \*/

aside { /\* the whole list \*/

width:180px;

margin: 0px auto;

vertical-align:top;

padding: 0px 0px;

display:table-cell;

margin-bottom: 15px;

}

aside p {

padding: 0px 0px;

text-align:center;

}

/\* Add to overrule scaffolding.less.css \*/

div.main aside.leftAside p a img {

width: 157px;

height: 117px;

}

/\* ==================================== \*/

/\* FOOTER CONTENT SECTION \*/

footer {

width:960px;

padding: 10px 0px;

margin: 0px auto;

clear: both;

background-color:#e00144;

/\* 042841 Dark Blue \*/

text-align:center;

color: #d8e6b3;

}

/\* ==================================== \*/

/\* GENERIC CLASSES \*/

.fltrt {

float: right;

margin-left: 8px;

}

.fltlft {

float: left;

margin-right: 8px;

}

.borderon {

border-width:5px;

border-color:#000000;

}

.brClear{

clear:both;

}

/\* ==================================== \*/

/\* REGISTRATION FORM \*/

/\* ==================================== \*/

legend {

display: block;

padding-left: 2px;

padding-right: 2px;

border: none;

font-size:10pt;

font-weight:bold;

padding-top:10px;

display:block;

}

/\* ==================================== \*/

/\* REGISTRATION FORM STYLES \*/

.RegForm input {

font-size:.75em;

color: gray;

}

.RegForm input:focus, .RegForm select:focus {

background-color:aliceblue;

color: black;

font-size:.75em;

}

.RegForm span {

font-size:.75em;

font-weight:normal;

color:#808080;

padding-top: 0px;

padding-bottom: 10px;

}

.RegForm label {

/\*background-color:aliceblue;\*/

font-size:.75em;

font-weight:normal;

color:#042841;

}

/\* The animation code \*/

@keyframes starlights2 {

from {background-color: red;}

to {background-color: yellow;}

}

/\* The animation code \*/

@keyframes starlights {

0% {color: red;}

20% {color: orange;}

40% {color: blue;}

60% {color: purple;}

80% {color: green;}

100% {color: red;}

}

.RegForm span.ValControls {

color: #FF0000;

font-weight: bold;

font-size:1.0em;

animation-name: starlights;

animation-delay: 2s;

animation-iteration-count: 3;

animation-duration: 10s;

}

.RegForm div.ValSummary ul {

color:Gray;

font-size:.85em;

}

.RegForm div.ValSummary {

color:Gray;

font-size:.85em;

border-color:#CCCCCC;

border-width:1px;

border-style:solid;

width:500px;

padding: 10px;

}

/\* Used to display the response with the form values \*/

div.Response { /\* div \*/

color:Gray;

font-size:.85em;

-webkit-box-sizing:content-box;

-moz-box-sizing: content-box;

box-sizing: content-box;

border-color:Gray;

border-width:1px;

border-style:solid;

width:700px;

height:300px;

padding: 10px;

}

.Response0Style { /\* label \*/

width:500px;

}

.Response1Style { /\* label \*/

width:350px;

float:left;

}

.Response2Style { /\* label \*/

width:350px;

float:right;

}

/\* ==================================== \*/

/\* Used to display the ad images on the ads page. \*/

img.ads {

width:175px;

height:130px;

}

/\* Used to format the application variables - number of online users \*/

div#appVars {

text-align:center;

line-height: 1.5em;

background-color: #042841;

color: #FFF;

margin:5px;

}

//screenshot of checking my work and completed without any errors-

