

INFO 3420 – Project 1 Instructions

Introduction:

In this project you will create a framework for your business website. You will build on this framework in later projects. Creating a consistent look and feel for a website can be achieved through the use of master pages, navigation controls, HTML and CSS.

Project Setup:

Make sure your entire project resides inside a Project1 folder in the C:\inetpub\wwwroot area of your class VM. Set the necessary rights and make the folder an application to run under IIS. Your instructor will look for your application by at this location by the due date and time when grading.

Create a Master Page:

The master page you will create for this project will help provide a template with a consistent look and feel for creating application pages. The master page will also allow for editable regions through the use of ContentPlaceHolders. You will create one 2column master page for this project: **2colMaster.master**. We will create other master pages in a future project. For now just create this one master page

You may want to first create a sample page with HTML and CSS external style sheets (as done in the HTML/CSS and Master Page trainings). Then use this sample page to make the new Master page and copy the <form> code from the sample page into the new file. Make sure you have a ContentPlaceHolder for the left column and a ContentPlaceHolder for the right column. You may then delete the sample page.

CSS for the Master Page:

Make use of two external CSS style sheets: **Layout.css**(style rules for layout) and **MyStyles.css**(presentational style rules). You may not use tables to structure your page. The page layout should contain a masthead area, horizontal navigation area, a main content area with two columns, and footer. The Web page fixed width should be **900 px** wide, and centered. The right column of your two columns should be a fixed width of **300px**.

Choose one color palette from your Site Design document to use in this project. Place a file that holds this **color palette** colors swatches and color numbers in your Project3 folder. (I will use this file's color numbers to check that you really used these colors in your style sheet.)

We will not be using the ASP.Net Theme in this project, but you will make use of this color palette colors, and associated logo and banner, and CSS style rules on your in your project CSS and master page . Place all images in the site **Images** folder.
Managing Master page images:

- Add the logo graphic to the masthead area of the page using the **<asp:Image>** control.
- Add your banner graphic to the masthead area of the page using the **<asp:Image>** control.
- You could also use one or more background images for the site. The background images should be displayed with style rules found in the MyStyles.css file.

Create a page footer that contains a disclaimer that **This Website was Created for Educational Purposes**, create an **<asp:HyperLink>** or **<asp:LinkButton>** to only the ContactUs page (do not link to other pages), the last date modified, and any other info you want.

You will add some sample content to the left and right column so you can view your Master Page in the browser. Later, when making the content pages from the Master page you will use the Master Page right column content. In Project2, the right column will eventually hold some advertisements and an RSS feed.

Master Page Navigation:

In this project you will also make use of the three ASP.net navigational controls for a Menu and SiteMapPath (on the Master Page), and the TreeView (on the Site Map page).

Defining master page navigation:

Add a **web.sitemap** XML file to your website. The page structure will be simple for now.

Home

About Us

Contact Info

Site Map (this is not the web.sitemap page)

Create site navigation for the Master page with the **<asp:Menu>** control and the **<asp:SiteMapPath>** control. Format these navigation controls to compliment your site look and feel.

It is required that you use a **horizontally** oriented **<asp:Menu>** control with StaticDisplayLevel set to **2 static levels** showing for your website. Make sure these ASP.net controls are styled to be very different from your text or default links. The **<asp:Menu>** options should be styled to appear as buttons with borders, backcolors, forecolors, and hover styles or make use of button images. Use the Properties dialog to choose the **<asp:Menu>** property styles until you are happy with the result. You can make use of the **CssClass** property to get styles from a CSS class in your MyStyles.css file.

You will place the **<asp:SiteMapPath>** breadcrumbs at the top of your left column outside the ContentPlaceHolder so it will be on every page. Use the Properties dialog to choose the **<asp:SiteMapPath>** properties and styles to help this control match your

color palette and different from default link and text styles.

Make sure these ASP.net controls are styled to be very different from your text or default links so the user does not miss these as site navigation.

Creating Content Pages:

From this **2colMaster page** you will create all the site content pages: a Home (Default.aspx), an About Us (AboutUs.aspx), a Contact Us (ContactUs.aspx), and a Site Map (SiteMap.aspx) page.

Note: Remember to not have spaces in folder names or in filenames in your projects.

Create a Home page and name it **Default.aspx**. In the left column, add a main heading, a well formatted welcome message in the content area and add any other graphics or info you want. This page should sell your business idea to the world. You need to format this content using style rules found in your external style sheets. You may not use a table to structure your page content. In the right column, make use of your Master Page default content.

Create an About Us page and name it **AboutUs.aspx**. In the left column you will have **historical info** on the company and biographies and photos at least **3 partners** (make up this info by using ideas from Site Design document). Use a main heading and subheadings to divide this page into sections. Make sure the images and biographies have a professional tone even if this is fictional info. You need to format this content using style rules found in your external style sheets. You may not use a table to structure your page content. In the right column, make use of your Master Page default content.

Create a Contact Us page and name it **ContactUs.aspx**. The left column of this page should have various contact information. Add a main heading and an explanatory paragraph. Do not worry about submitting any kind of a form at this time. Just provide the business address, phone, and email info. You need to format this content using ids and <div> tags. In the right column, make use of your Master Page default content.

Finally, create a Site Map page and name it **SiteMap.aspx**. The left column of this page should make use of the **<asp: TreeView>** control and any other additional information you want to make a meaningful site map page. Make sure this page also has a main heading and a paragraph of explanatory text. Use the Properties dialog to style the <asp:TreeView> control so it matches your site theme and does not look like plain text or default links. In the right column, make use of your Master Page default content.

Submission:

Make sure your Project1 folder is located on the C: drive in the wwwroot folder on your state VM by 11:55 p.m. on the due date. The project folder must be named: Project1 and must not be nested in any other folder.

You must also complete the Project Eval report and submit it in the **ASSIGNMENT** area of Canvas for Project 1 by the project due date and time.

DO NOT email the project or report to your instructor.

Grading Criteria:

Master Page contained required business graphics, site navigation, required number of columns and footer.

ContentPlaceHolders defined editable regions.

All application Web forms made from master page.

_____/20 pts.

Logo, banner and background image(s) were well done and enhanced the business theme.

All images placed in Images folder.

_____/10 pts.

External CSS file for page layout styles was named Layout.css and was linked to each master page and used id style rules well.

_____/10 pts.

External MyStyles.css file contained page presentational styles and was well done.

MyStyles included style rules for: body, basic HTML selectors, anchor pseudo-classes, lists, background-image(s) and background color styles.

_____/10 pts.

ASP.net controls on the site including asp:Menu, asp:SiteMapPath, and asp:TreeView were well styled.

_____/10 pts.

Home page had welcome message, and graphical elements to present the business.

Content was attractive, readable and pertinent.

_____/10 pts.

AboutUs page contained historical info and 3 bios with photos of partners.

Content was attractive, readable and pertinent.

_____/15 pts.

ContactUs page contained important contact info. Contained heading and needed explanation text.

_____/ 5 pts.

SiteMap page contained asp:TreeView control.

Contained heading and needed explanation text.

_____/ 5 pts.

Student followed submission instructions for the project and uploaded an evaluation report for this project.

_____ /5 pts.

Total: _____ /100 pts.