

Teacher: Susan Boone
February 9-13, 2009

Class: Web Mastering

Detailed lessons are linked online:

<http://hs.houstonisd.org/westsiddehs/Curriculum/WebMastering/index.html>

Tutorials: Tuesday during A and B lunch. After school by appointment

Monday	<p>Objective: students will learn about the Web site production process and discuss the career of professional Web development.</p> <ul style="list-style-type: none">▪ Analyze the development of Web sites and what makes a Web site successful.▪ Discuss with peers the important considerations when selecting a successful production team.▪ Understand the use of a project timeline.
	<p>Activities: Getting Organized Designer – Develop master page/Dynamic Web Template document layout in Expression Web. Documenter – Write up the master page/Dynamic Web Template specification document; use a wireframe as a guide and then create a narrative of all the parts. Project Manager – Make sure there is a common workspace to keep team materials.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none">▪ Who do you know who has made a Web site or worked on a Web site development team?▪ What might it be like to work on a Web site development team?▪ What skills would be needed to have a successful development team?▪ Why is there a need for a plan/timeline to develop Web sites? <p>Discuss agile development and compare and contrast the methodology with traditional waterfall methodologies.</p> <p>Give the students a preview of the module through a lecture or accompanying PowerPoint presentation.</p> <p>Essential Vocabulary Waterfall Model – A sequential software development model in which development is seen as flowing steadily downwards (like a waterfall). The phases of the waterfall model include: requirements analysis, design, implementation, testing (validation), integration, and maintenance. Agile Development – Methods that emphasize face-to-face communication over written documents and are characterized by small teams working in a single, open office to facilitate communication. Scrum – A methodology that allows team members to address issues/problems that come up on a daily basis in Web site development. Prototype – Prototyping is the process of using sketches, drawings, models, or other tools to quickly demonstrate a Web site design to the client for approval and modifications.</p> <p>Activity: During the lesson, divide the class into their respective teams. Put an example on the board that they must work on together. The example doesn't have to deal with production issues but must involve the work-check-rework process. For example:</p> <p style="padding-left: 40px;">Write a short narrative paragraph that provides directions on how to get to our classroom from the front of the school. The directions must include descriptions of each turn, building number, room number, and any landmarks that make getting to the classroom easier. Give them a reasonable time to do it and then have them pass their paper to another team member. Have the other team member comment in writing on any errors/ omissions from their directions. Give it back to the original team member and have them rework and continue the process until it meets specifications. Time permitting: Have the teams trade their descriptions and have each team follow the directions to see if they arrive at the intended location.</p>

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	<p>The specifications indicated above are broad and vague and really not detailed enough that all teams will deliver the same result. This activity will generate some discussion around specification and the need for greater detail.</p> <p>Materials: T.7.Text (use in all lessons) T.7.PP_1: PowerPoint Presentation T.7.Timeline: Module 7 Timeline S.7.1.Handout PDF,(Visio or PDF Document for the design process) Module 7 Tutorial as needed for enrichment throughout this module</p> <p>Follow Up/HW: Develop content for the homepage of the client website.</p>
Tuesday	<p>Objective: students will learn about master page development and how to create appealing and functional master pages.</p> <ul style="list-style-type: none"> ▪ Describe master page/Dynamic Web Templates in relation to the page contents. ▪ Analyze the different kinds of master page/Dynamic Web Templates. ▪ Create a master page/Dynamic Web Template for use in a Web site. <p>Activities: Guiding Questions</p> <ul style="list-style-type: none"> ▪ What is a master page/Dynamic Web Template? ▪ Are you aware of a Web site that has been created with a master page/Dynamic Web Template? ▪ How are master pages/Dynamic Web Templates used in large Web sites? ▪ Where can you get ideas for good master page/Dynamic Web Template designs? <p>Discussion: Students participate in the discussion of the topic and apply the techniques into the development of their project. Participate in the tasks of the work groups as noted in the timeline.</p> <p>See reading assignment.</p> <p>Materials: T.7.PP_2 (PowerPoint) T.7.PP_3 (PowerPoint) Master.wmv (How-to Video) Master Styling.wmv (How-to Video) or DynamicWebTemplate.wmv (How-to Video) DynamicWebTemplateStyling.wmv (How-to Video) If not using ASPX (just standard HTML) use the following in addition to the one above. DynamicWebTemplateStylingNOASP.wmv This uses Interactive buttons versus a Tree View Control for Navigation.</p> <p>Links: Web site Production Management Techniques http://www.adobe.com/resources/techniques/</p> <p>Web site Production Process and Software Options http://www.lunadreams.com/spring2003/workflow1/process.htm</p>

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	<p>Scrum in Five Minutes http://www.softhouse.se/Uploades/Scrum_eng_webb.pdf</p> <p>Implementing Scrum: The Classic Story of the Pig and Chicken http://www.implementingscrum.com/blog/2006/09/11/the-classic-story-of-the-pig-and-chicken/</p> <p>Design Templates (MSDN): http://msdn.microsoft.com/en-us/asp.net/aa336613.aspx</p> <p>Follow Up/HW:</p>
<p>Wednesday/Thursday (block schedule)</p>	<p>Objective: In this lesson, students will learn about master page/Dynamic Web Template development and how to create appealing and functional master pages/Dynamic Web Templates.</p> <ul style="list-style-type: none">▪ Create a style sheet for a site template.▪ Analyze the different ways that styling can be applied.▪ Create a styled site template for use in a Web site. <p>Activities:</p> <p>Guiding Questions:</p> <ul style="list-style-type: none">▪ How are site templates styled? (CSS)▪ What page elements can be styled? (All of them within the body element that have an ID or class name)▪ What is the difference between id selectors and class selectors in CSS? (Class selectors can be applied to one or more elements whereas id selectors can only be applied to one element.)▪ What is a good source for help with CSS? (http://www.w3schools.com/css/default.asp, and of course Expression Web has very good help.) <p>Begin the class by using the Guiding Questions and then discuss the student answers to each question. Pair the students together to share answers and have a small discussion. After each question pair-share, bring the class back together to share insights.</p> <p>After the Guiding Questions, the instructor can choose to deliver the following information through direct lecture or through the use of the accompanying PowerPoint presentation, or the teacher can use the accompanying videos to show how to create and style the site template.</p> <p>Overview of the lesson with the class: "In this lesson we will cover..."</p> <ol style="list-style-type: none">1. Styling a base site template (Designer) <p>The teacher could use the accompanying video Master Styling.wmv or DynamicWebTemplateStyling.wmv to acquire the skills necessary and/or the intent of the lesson. If the teacher is uncomfortable then they may play the video as is. It is always much better if the teacher demonstrates these live and answers questions in real time. The video covers using the style sheet created in Lesson 2 to add background images and text to the Web template.</p> <p>After the overview, ask the students to reflect in their journals on the lesson and comment on the topics and applicability for them to be a successful Web site development team.</p> <p>Activities:</p> <ol style="list-style-type: none">1. Add CSS elements to the site.css style sheet.

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	<ol style="list-style-type: none">2. Students participate in the discussion of the topic and apply the techniques into the development of their project.3. Participate in the tasks of the work groups as noted in the timeline.
	<p>Materials: Resources and Web Links: CSS Tutorial http://www.w3schools.com/css/default.asp Documents Needed for this Lesson (created by lesson writer) T.7.PP_3 (PowerPoint) Master Styling.wmv (How-to Video) or DynamicWebTemplateStyling.wmv (How-to Video)</p>
	<p>Follow Up/HW:</p>
Friday	<p style="text-align: center;">Continue work on actual client web site Project will be due February 27</p>