
CS 008 Introduction to World Wide Web Design

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Assignment: Making the World a Better Place (1.4)

Making the World a Better Place

Version <1.4>

Making the World A Better Place	Version <1.4>
	Date : 10/20/14

Table Of Contents

Time Log 3

Introduction 4

 Purpose4

 Definitions, acronyms, and abbreviations4

Overall Description..... 4

Story Board 5

Assignment requirements..... 6

Specific requirementsError! Bookmark not defined.

Making the World A Better Place	Version <1.4>
	Date : 10/20/14

Introduction

Purpose

The purpose of this document is to describe the requirement specification for the web site “Making the world a Better Place”.

The intended audience for this document is two fold. First it is the contract between you and the client and the developer of the site. Two primary goals are:

1. Client gets a very good understanding of what you will be delivering.
2. Developer has a very good understanding of what they are going to create.

The web site to be created is an informative site designed to be provide users with information on ways that they can help to make the world a better place. I believe that working to improve always begins with yourself. The collective whole of each individual can really make a difference.

Definitions, acronyms, and abbreviations

HTML – Hypertext markup language – used to define your content.

PHP – Personal Home Page – language that helps to customize html.

CSS – Cascading Style Sheets – used to define the look of a web site.

W3 Validation – refers to both Html and CSS validation tool provided by the W3c.org. the html validator is located at:

<http://validator.w3.org/>

with the CSS validator located at:

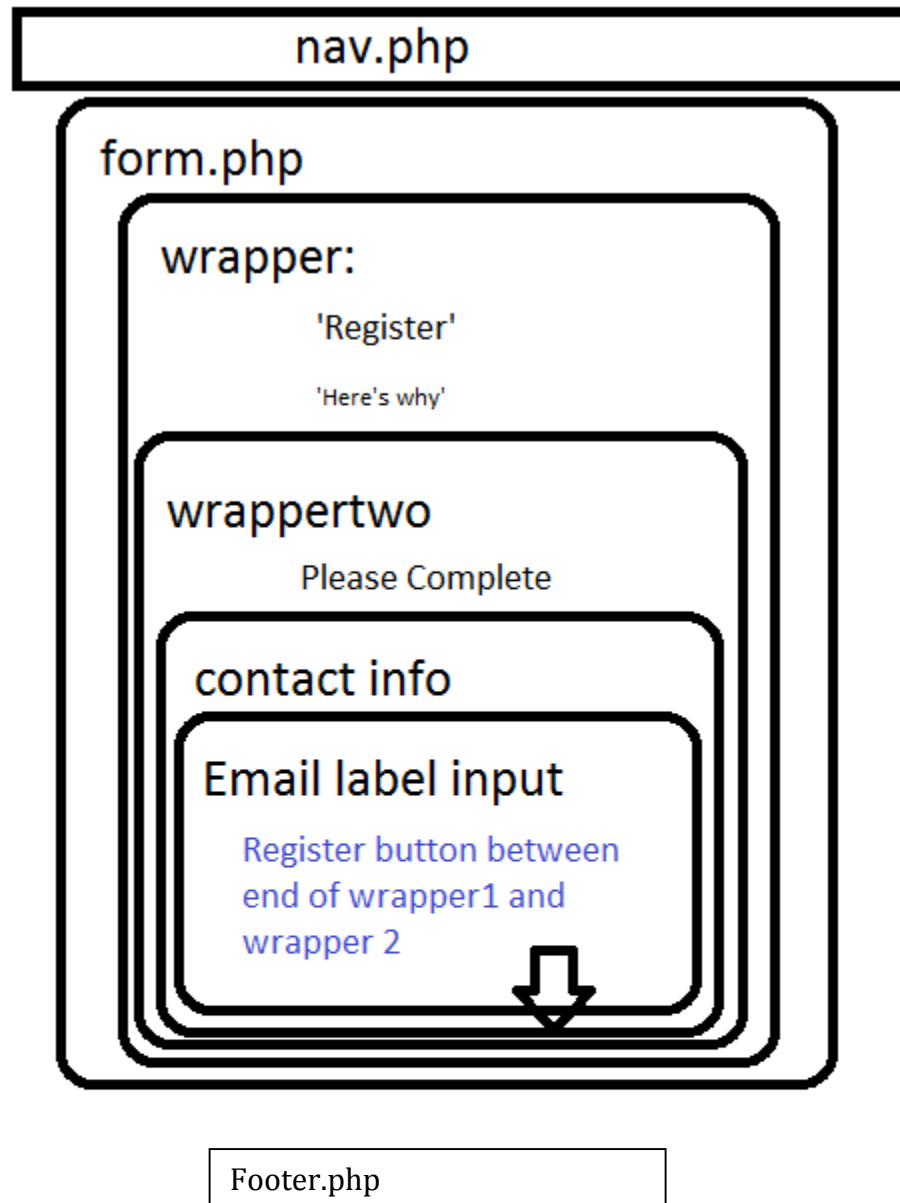
<http://jigsaw.w3.org/css-validator/>

Overall Description

This is a continuation of assignment 1.3. This site will be about things we can all do to make the world a better place. I want to tell the visitor how climate change is affecting me and what we can do now to help the world.

Making the World A Better Place	Version <1.4>
	Date : 10/20/14

Story Board



Making the World A Better Place	Version <1.4>
	Date : 10/20/14

Assignment requirements

1. *Location* – all files will be located in the www-root/cs008 folder of your uvm Silk account. The assignment web page and the submit process will detail the exact location. Failure to have your site located in the correct folder by the due dates will result in a zero on the assignment. Be sure to pay attention to the lowercase letters.
2. *Html Validation* – All pages will pass W3C Html validation for html 5.
3. *Meta Information* – All pages will contain a proper title tag, Meta tags (author, character set and description).
4. *CSS Validation* – All pages will pass W3C 3.0 CSS validation.
5. *CSS* – all pages will have a linked style sheet. I am not going to require a specific set of rules but you will be graded on your effort of what you try (just having my sample gets you a zero).
6. *Head Section* – put the doctype and head section information in a file named top.php so you can include it all the pages.
7. *Navigation* – All pages will contain navigation to all other pages on the site using an ordered list (4 pages minimum). File name should be nav.php
8. *Content* – You will need to list three things that have climate change has had an impact on your life and what steps we can do to help improve the situation (one page for each item). Each page will have a minimum of 100 words not counting titles, lists or links. Be sure to use the correct elements to hold your content.
9. *Header* – All pages will contain a header with the logo about your site. File name should be header.php
10. *Form* - We want to entice people to fill out our form so the home page content should do just that. The form will follow my sample on github.
11. *Form* – Will contain fieldset's, legends, input type text for email address and a Submit button. Code will include documentation as shows on github.
12. *Form* – will have your email address as the default value as set by php.
13. *Form* – should be styled with CSS different than my default.
14. *Footer* – All pages will contain a footer with the content determined by you. Filename will be footer.php
15. *CSV File* – take your array and put your array into a csv file. Add the code to Open, Read, Close and Display this data in a table element.
16. *Images* – Each page will have a minimum of one image.
17. *Types of images* – Create each of these images on your site. Each image will be in the figure element with the figcaption element identifying the type of image as listed below (easier for the grader)
 - a. *Animated image*
 - b. *Transparent image*
 - c. *Image map with a minimum of three links (these can be external)*
18. *Browser compatibility* - This site will be checked on Firefox, Safari, Chrome and Internet Explorer.

Making the World A Better Place	Version <1.4>
	Date : 10/20/14

19. *Footer* – All pages will contain a footer with your name. Be sure to use the correct element to contain the footer.
20. *File Names* – the main home page will be called index.php with the rest of the file names up to you (be sure to use .php).
21. *Specification Document(this file)*: must be updated and saved as a specs.pdf (must use pdf format and correct filename in the same folder to be graded).

Specific requirements

1. *Title for main page: Climate Change: Effects and Recommendations*
2. *Meta Description: Climate Change will kill you, find out how through my page. Information about natural disasters, air quality, and allergens is provided.*
3. *Meta Character set: UTF - 8*
4. *Logo:*



5. *Main page photo:*



6. *Content:*
 - a. The purity of our air is being degraded due to positive feedback cycles relating to global warming.
It is expected that as the average temperature increases around the world, certain natural occurrences could change. For example, tropical storms will have more vicious winds that could lead to significant damage in areas affected.
India could also be impacted by a change in monsoon season, some experts predict it will be even wetter during the rainy season. The counterpart to that is that it could possibly get dryer.
 - b. The earlier spring occurs, the higher pollen counts can reach later in the year. Climate change is leading to earlier and earlier springs, an huge problem for people with seasonal allergies like me.
Studies have actually proven that since 1995 the pollen season has been increasing, at certain points, by almost a full month. Areas most affected include the Northern United States, Vermont will be

Making the World A Better Place	Version <1.4>
	Date : 10/20/14

experiencing more dramatic spring and warming trends as climate change continues to advance.

Pollen has been linked to decreased productivity both at school and work. Students and workers both would benefit from efforts to reduce climate change.

- c. Climate change is leading to worse air quality that will increase mortality rates around the world. Ozone and other fine particulates will become more prevalent. These pollutants increase the risk of lung cancer and respiratory illnesses. It is estimated that 100,000 people could be killed by such air pollutants.

Already there are some areas that are being affected, if we use less fossil fuels we can help stop climate change and help air quality. Some places like Mexico City have such poor air quality that you can buy oxygen from vending machines, in certain parts of China pollution is such a crisis that the citizens must wear masks or inhale air that carries the same risks as smoking cigarettes.