

## Description

This is an opportunity to be creative and explore your limits. You will design a web site that consists of a minimum of 8 web pages – one home page plus 7 supporting pages. This web site should **NOT** be a personal web site in the nature of (Hi, I'm Barbie/Ken and these are my dogs / cats / cars / clothes / toys / collectables / etc.). It can be a web site on a topic of personal interest, a web site for a hypothetical business, or a web site for an actual business or non-profit organization. It can also be a site about a hobby you have or would like to pursue in the future.

## Requirements – Responsive Design

- The site must render well on **both desktop and mobile** devices
  - For desktop, assume the user has a monitor resolution of 1280x1024
  - For mobile, Chrome dev tools will be used to emulate and test the site on an iPhone 6
    - Refer to Chapter 5.1 for info on Chrome dev tools and mobile device emulation
- The user should not need to scroll horizontally to view page content; vertical scroll is fine
  - One suggestion is to use a single-column layout for mobile, and then transition to a multi-column layout for desktop
- Proper layout can be achieved via responsive design techniques. I recommend using one of the two responsive design strategies outlined in Chapter 5:
  - Ch 5.1 – percent-based element widths, floats, and media queries
  - Ch 5.2 – flexboxes

## Requirements – Content

- The home page of the site must be named **index.html**
- Minimum of 8 HTML pages (including home page)
- HTML 5 doc type definition
- Title tags and Meta tags as appropriate
- A mailto: link to contact the site developer (you)
- If the page is for a business -- listing of business address, phone number, and business hours
- An image map with at least two hotspots
- At least one table somewhere in the site
- An HTML list (ordered, unordered, or otherwise)
- A mention that the page was created by you in partial completion of the requirements of this Web Design class and a hyperlink to school's home page ([www.nwacc.edu](http://www.nwacc.edu))
- Hyperlinks to external web pages that are related to your project or topic
- Use of externally linked Cascading Style Sheets to define at least the following styles:
  - font (family, color, size, weight, line height, letter spacing etc.)
  - headings
  - background image and/or color
  - hyperlink characteristics (color/decoration of active links, visited links, etc.)
- Make use of some of the following CSS3 features:
  - border-radius, text-shadow, box-shadow, transform, linear-gradient, radial-gradient, border-image, opacity
- Appropriate use of graphics (at least one per page)
- Links to other pages in your web site and subsequently links from those pages back to the home page (properly set up site navigation using navigation lists)

## Requirements – Additional

- You may use HTML5 elements such as *header*, *footer*, *section*, *aside*, and *article* to provide structure to your pages. Div tags may also be used.
- You may NOT use frames or tables to "lay out" the page content. If you don't understand this, please check with your instructor.
- You are not permitted to use any form of web template for this assignment. You may use code concepts and design resources from the web to assist with your project, but the use of fully designed pages or style sheets is prohibited.

## What to Turn In

In addition to a .zip of the HTML, CSS, and image files which make up your website, turn in a Word Document which contains the below information. You can find a template for this by downloading the file that is attached to this assignment link. The Word document should contain your name and the filenames of the pages within your web site which fulfill specific project requirements. At the bottom, it should also include a summary of the responsive design techniques you used to achieve proper layout on both desktop and mobile devices.

Here is an example of a completed documentation sheet:

Item	Where it is found <i>(These are examples. Your filenames may vary.)</i>
Mailto Link	index.html
Image Map	tours.html
Mention of class and link to school	about_us.html
Table	products.html
Business Contact Info <i>(If Appropriate)</i>	contact_us.html
CSS3 Features	products.html
HTML List	index.html
External hyperlinks	references.html
<b>What responsive design techniques did you use to ensure that your pages look good on both Desktop and Mobile devices?</b>	
I opted to use a single-column layout for Mobile devices, and a three-column layout for Desktop devices. This was accomplished via CSS flexboxes.	

## Grading Rubric

Your grade will be based on the following elements:

Element	Points Possible
Minimum of 8 pages (home page named index.html)	30
HTML5 doc type definitions, Title tags, Meta tags	10
<b>Responsive Design Requirements:</b> <ul style="list-style-type: none"><li>• Site renders well on both desktop and mobile devices</li><li>• User does not need to scroll <u>horizontally</u> to view page content</li><li>• Layout updates when moving from desktop resolution to emulated mobile device</li></ul>	40
<b>CSS Requirements:</b> <ul style="list-style-type: none"><li>• External CSS</li><li>• Typographic Styles</li><li>• Background Styles</li><li>• Hyperlink Characteristics</li><li>• CSS3 Features (border-radius, box-shadow, opacity, etc.)</li></ul>	50
Image Map with at least 2 hotspots	15
Mailto: link to contact site developer (you)	5
Mention class and link to school	5
Graphics on every page	20
Use of HTML5 elements & DIV tags to structure page content	10
Table and table styles	15
HTML list (ul, ol, dl)	10
External hyperlinks as appropriate	10
Content – Is the content of high quality? Is the site navigation successful?	40
Design – Is it aesthetically pleasing?	30
Documentation – Did you fully complete the documentation sheet?	10
<b>Total</b>	<b>300</b>

Projects will likely be graded with Chrome, as it has the best support for CSS3 features.

**All project files should be zipped up and submitted along with the "documentation sheet" to the corresponding link on Blackboard by the deadline listed on the course calendar.**

**Remember, no late projects accepted.**