Your front page must contain a link to pie.html. The file must also be **at least 20 lines long** and must contain **at least 4 different HTML elements** in its body. It also may not significantly borrow content from your pie.html.   
The second (and more substantial) part of the assignment is to recreate a specific web page describing a recipe for lemon meringue pie, stored in a file named pie.html. Unlike index.html, this page is **rigidly specified and must exactly match the appearance specified in this document.Appearance and Behavior Details:**

headings

1. foreground color **#A4A400**
2. background color **#F0F0F0**.
3. font families for headings are **Century Gothic, Futura, Verdana**
4. main heading **center** **aligned**, **22pt bold** font.
5. Other headings are **left-aligned** and appear in an **18pt** normal font.
6. All headings should be **underlined.**

body

1. Background **white**
2. Text foreground color **#404040**, **11pt** font.
3. Font families for page **Georgia, Garamond**
4. Links use color **#A4A400**
5. The names of the four major steps (such as "Preheat Oven") are **strong** font.
6. The quotations appear in an **italic** font
7. Quotations indented blocks with background color **#FFFFC8**.
8. The picture of the pie on the page and the W3C validator images at the bottom come from the following image files, respectively:

* <http://courses.cs.washington.edu/courses/cse190m/09sp/homework/1/pie.jpg>
* <http://www.w3.org/Icons/valid-xhtml11>
* <http://jigsaw.w3.org/css-validator/images/vcss>

1. The W3C validator images as image links, which will navigate to the following URLs when clicked respectively:

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

1. The bottom has two links. The "Home" link should link to your index.html page. Use a relative URL and assume it is located on the same web site as pie.html in the same directory. The "Search for other lemon meringue pie recipes" text, should link to the following web page <https://www.google.com.hk/search?q=lemon+meringue+pie+recipe>.
2. The pie web page's title text should be **Grandma's Lemon Meringue Pie** .

**Extra Features:**

Background

Set the overall page to use a background image of [silverware.jpg](http://courses.cs.washington.edu/courses/cse190m/09sp/homework/1/silverware.jpg) (use absolute URLs to link to all images). The image should **repeat in both directions** across the page and **should not move when the page is scrolled**.

Favicon

Set the page to have a "favorites icon" ("favicon") of [pie\_icon.gif](http://courses.cs.washington.edu/courses/cse190m/09sp/homework/1/pie_icon.gif) (use absolute URLs to link to all images).

Pie bullet

Set all bulleted lists of items on the page to use an image for their bullet icon rather than the normal black circle. Use the image of [pie\_icon.gif](http://courses.cs.washington.edu/courses/cse190m/09sp/homework/1/pie_icon.gif) (use absolute URLs to link to all images).

Wide headings

Widen all headings on the page by placing 0.2em of horizontal spacing between neighboring letters in all headings.

Borderless image links

Get rid of the yellow borders around the W3C images at the bottom of the page.

Other

Do you have an extra feature you'd like to add to your page that isn't listed here? Ask us on the course message board and we'll let you know if it is okay to substitute for one of the above.

**Near the top of your HTML file, put a comment saying which extra features you have completed.**  
As much as possible, you should implement these changes by modifying your CSS code rather than your HTML. Some of the CSS properties necessary will not have been covered in class, so you must learn them yourself. Try using the reference books, Google, or looking at a CSS property reference such as the following site:

* <http://www.w3school.com.cn/css/css_reference.asp>

A screenshot of the expected output for the extra features is available on the course web site.

**Implementation and Grading:**

Implement your pie.html web page using HTML as taught in class. For full credit, your page must successfully pass the [W3C HTML validator](http://validator.w3.org/) with no errors (a green bar). (It is okay if the validator says your page is "tentatively" valid or has warnings, as long as you see the green "Valid" bar in the validator.) You should choose appropriate HTML tags to match the structure of the content being displayed on the page. Do not express stylistic information in the HTML page itself, such as inline styles or presentational HTML tags such as b or font. You may not use HTML tables in your pie recipe page.  
You only need to worry about the appearance of your page in standards-compliant web browsers such as Chrome or Firefox. Your pages will not be tested in any way in Microsoft Internet Explorer or other browsers that do not comply to web standards.  
Express all stylistic information on the page using CSS defined in recipe.css. For full credit, your style sheet must successfully pass the [W3C CSS validator](http://jigsaw.w3.org/css-validator/). Part of your grade comes from expressing your CSS concisely and without unnecessary or redundant styles. Outside of extra features, do not use HTML or CSS constructs that have not been discussed in lecture or the slides.  
Though they will not be discussed until after the homework is assigned, you may know about using class and id attributes to target HTML elements for styling. Do not overuse such attributes in your HTML unnecessarily. If there is already a suitable tag for representing a given piece of content, favor the use of that tag rather than a less appropriate tag with a class or id attached for styling purposes.  
Format your HTML and CSS nicely so that it is as readable as possible, similarly to the examples shown in class. Also place a comment header in each file containing your name and section and a brief description of the assignment and the file's contents. You must properly use whitespace and indent your HTML and CSS code following examples shown in class. To keep line lengths manageable, do not place more than one block element on the same line or begin any block element past the 100th character on a line. For reference, our solution has 118 lines of HTML and 36 lines of CSS, though you do not need to match this exactly.  
The majority of the points for this assignment will be for the pie.html and its recipe.css files. The index.html will also be graded, but it will be worth fewer points. The main stylistic constraint on your index.htmlfile is that it should pass the W3C HTML and CSS validators. Beyond that it can contain any non-obscene content you like, even content that uses material we have not yet learned in lecture. Please do not link to external resources (other than image files or index.css) from your index.html page.  
Submit your assignment online from the turnin link in the Homework section of the course web site. Turn in both .html files and your .css style sheets. You do not need to turn in the provided images. If your index.html page includes images linked using absolute URLs, you do not need to turn in those images.

**Please do not place a solution to this assignment online on a publicly accessible web site.** Doing so is considered a violation of our course academic integrity policy.  
<http://validator.w3.org/check/referer>     <http://jigsaw.w3.org/css-validator/check/referer>

* [expected\_output.png](http://my.ss.sysu.edu.cn/wiki/download/attachments/7045995/expected_output.png) (without extra features)
* [expected\_output\_extra.png](http://my.ss.sysu.edu.cn/wiki/download/attachments/7045995/expected_output_extra.png) (with extra features) - both images taken in Firefox 3 on Windows XP
* [expected\_output\_mac.png](http://my.ss.sysu.edu.cn/wiki/download/attachments/7045995/expected_output_mac.png) (Mac OS X, without extra features)
* [expected\_output\_mac\_extra.png](http://my.ss.sysu.edu.cn/wiki/download/attachments/7045995/expected_output_mac_extra.png) (Mac OS X, with extra features) - both images taken in Firefox 3 on OS X Leopard
* [output.txt](http://my.ss.sysu.edu.cn/wiki/download/attachments/7045995/output.txt?version=3&modificationDate=1348632183000) (The text contents of the page without HTML or CSS markup. To generate this file, I went to the page in Firefox, chose Select All, copied and pasted into a text editor. Note that this copies images' alt attributes in place of the images, and copies \* in place of bullets on bulleted lists.)
* NOTE: The expected output images are taken on a computer whose screen resolution is 1024x768 pixels. So if your screen is larger, to you the screenshots may not reach all the way over to the right edge of your screen. You don't need to replicate that on your page. Your page's elements should extend all the way to the page's right edge. If you resize your window to 1024x768 resolution, your window should look similar to our screenshot.