

## Assignment 3

Using only a simple text editor such as Notepad, not software that generates HTML, create by hand an HTML document that renders as shown in the figure on the last page of this write-up and the addresses the detailed requirements below. Store your document in a file that has the extension .html and save this file in the public\_html directory of your Math/CS Linux account. Submit at Blackboard both a copy of your file and the URL where your file can be visited on the Math/CS server.

The assignment is worth 15 points, one point per detailed requirement below unless otherwise noted. As the point of the assignment is for you to become somewhat proficient at writing HTML, if I determine that HTML-generating software has been used to produce some or all of the document rather than it being written by hand, your submission will be penalized and could receive no credit.

Regarding getting help, follow the Gilligan's Island help rules posted under Syllabus at Blackboard. However, note that in addition to materials posted for our course at Blackboard you can use the [whatwg.org](http://whatwg.org) HTML materials without needing to report that you received external help and without waiting after accessing the material. If you access other web sites, you do need to let me know what web site you used and you need to wait ~ 30 minutes after using it before using the material in your solution.

### Detailed Requirements

1. Use an appropriate document type declaration (DOCTYPE element) to begin the file as discussed in class.
2. Include at least one HTML comment in your document.
3. Include an appropriate attribute specification indicating that your document's character data is written in English (see, e.g., example HTML file at <https://html.spec.whatwg.org/multipage/dom.html#semantics-2>).
4. Include the HTML markup recommended in class indicating that your document has been written using the UTF-8 character encoding (and use this encoding when you write your document).
5. Include the following element as part of the content of your `head` element (this will cause borders to be displayed in the table you create):

```
<style>
  table, td, th { border: 1px solid gray }
</style>
```

**Do not include any other CSS styling in your document.**
6. Give your document the title "Assignment 3" (if you do this correctly, this text should display in the tab containing your page).
7. Do not use the `<i>` (italic) element, but do use an HTML element to emphasize the word "Chickens" on the first line as shown.
8. Include the math characters  $\wedge$  (logical and) and  $\forall$  (for all) in the first sentence by using character references, not images. You can use either named or number references.

9. Include in your page the toy chick image that is located at <http://www.mathcs.duq.edu/~jackson/wbs/Chick1.png>. Your page should be stored in the public\_html folder of your Math/CS department Linux account. You should then be able to visit your page at the URL [http://www.mathcs.duq.edu/~your\\_mathcs\\_name/your\\_file.html](http://www.mathcs.duq.edu/~your_mathcs_name/your_file.html) (replace *your\_mathcs\_name* with your Math/CS account username and *your\_file* with the name of your file, excluding the trailing .html). Use a relative URL (one that begins with . . ) to include the toy chick image that is at my web site in your page.
10. Your toy chick image element should include an appropriate descriptive specification for the alt attribute.
11. Create the numbered list shown in the screen shot below by using an HTML list, not by writing 1... 2... 3...
12. Use appropriate elements for the first (heading) row of the table.
13. The validation link at the bottom of the page when clicked should cause the browser to visit the following URL (this is all one long string with no newline characters in it, and again, replace *your\_mathcs\_name* and *your\_file*):

[https://validator.w3.org/nu/?showsource=yes&showimagereport=yes&doc=http://www.mathcs.duq.edu/~your\\_mathcs\\_name/your\\_file.html](https://validator.w3.org/nu/?showsource=yes&showimagereport=yes&doc=http://www.mathcs.duq.edu/~your_mathcs_name/your_file.html)

14. (2 pts) When the validation link at the bottom of the page is clicked, your page should validate without warnings or errors. If for some reason you cannot get your link to work, you should manually validate your HTML document by visiting <https://validator.w3.org/nu>.

*Chickens:* all 4 1  $\wedge$  1  $\forall$ !



1. Buy chicken feed.
2. Build henhouse.
3. Enjoy eggs.

Chicken type	Life expectancy
Plymouth Rock	6-8 years
Rhode Island Red	10-14 years

[Validate](#) this page.