CSS JavaScript Git HTML

Udacity Frontend Nanodegree Style Guide

This style guide acts as the official guide to follow in your projects. Udacity evaluators will use this guide to grade your projects. There are many opinions on the "ideal" style in the world of Front-End Web Development. Therefore, in order to reduce the confusion on what style students should follow during the course of their projects, we urge all students to refer to this style guide for their projects.

All code has to be lowercase. This applies to HTML element names, attributes, attribute values (unless text/CDATA).

Introduction

Use only lowercase.

General Formatting Rules % Capitalization

Home

Not Recommended:

Recommended: Home

% Trailing Whitespace Remove trailing white spaces. Trailing white spaces are unnecessary and can complicate diffs.

Not Recommended: What?__ Recommended: What?

If using Sublime Text, this can be done automatically each time you save a file by adding the following to your User Settings JSON file (you should be able to find this within Sublime Text's menu): "trim_trailing_white_space_on_save": true

% Indentation Indentation should be consistent throughout the entire file. Whether you choose to use tabs or spaces, or 2-spaces vs. 4-spaces - just be consistent! **General Meta Rules %** Encoding Use UTF-8 (no BOM). Make sure your editor uses UTF-8 as character encoding, without a byte order mark. Specify the encoding in HTML templates and documents with <meta charset="utf-8">.

% Comments Explain code as needed, where possible. Use comments to explain code: What does it cover, what purpose does it serve, and why is the respective solution used or preferred? **%** Action Items Mark todos and action items with TODO: Highlight todos by using the keyword TODO only, not other formats like @@. Append action items after a colon like this: TODO: action item. Recommended: <!-- TODO: add other fruits -->

HTML Style Rules % Document Type Use HTML5. HTML5 (HTML syntax) is preferred for all HTML documents: <!DOCTYPE html>.

<l

Apples

Oranges

Do not close self-closing elements, ie. write
 , not
 . % HTML Validity Use valid HTML. Using valid HTML is a measurable baseline quality that ensures proper HTML usage and contributes to learning about technical requirements and constraints. Not Recommended: <title>Page Title</title> <article>This is an article.

Recommended: <!DOCTYPE html> <html> </html> **%** Semantics

<head>

</head>

<body>

</body>

Not Recommended:

Recommended:

% Multimedia Fallback

Not Recommended:

Recommended:

minimum.

Separation of Concerns

Solution Entity References

as among teams.

Not Recommended:

Recommended:

% type Attributes

Not Recommended:

Recommended:

Do not use entity references.

Provide alternative contents for multimedia.

CSS for, use no alternative text, as in alt="".

Separate structure from presentation from behavior.

scripts as possible from documents and templates.

documents and templates than it is to update style sheets and scripts.

The currency symbol for the Euro is "&eur;".

text/javascript as defaults. This can be safely done even for older browsers

Use a new line for every block, list or table element and indent every such child element.

<link rel="stylesheet" href="css/style.css" type="text/css">

The currency symbol for the Euro is "€".

Omit type attributes for style sheets and scripts.

<link rel="stylesheet" href="css/style.css">

Use HTML according to its purpose.

<meta charset="utf-8">

<title>Page Title</title>

<article>This is an article.</article>

<div onclick="goToRecommendations();">All recommendations</div>

meaningful alternative text and for video and audio transcripts and captions, if available.

attributes, and other users may have no way of understanding what video or audio contents are about either.

All recommendations

Use elements for what they have been created for. For example, use heading elements for headings, p elements for paragraphs, a elements for

For multimedia, such as images, video, or animated objects via canvas, make sure to offer alternative access. For images that means use of

Providing alternative contents is important for accessibility reasons. A blind user has few cues to tell what an image is about without the alt

For images whose alt attributes would introduce redundancy and for images whose purpose is purely decorative which you cannot immediately use

Strictly keep structure (markup), presentation (styling), and behavior (scripting) apart, and try to keep the interaction between the three to an absolute

That is, make sure documents and templates contain only HTML and HTML that is solely serving structural purposes. Move everything presentational

into style sheets, and everything behavioral into scripts. In addition, keep the contact area as small as possible by linking as few style sheets and

Separating structure from presentation from behavior is important for maintenance reasons. It is almost always more expensive to change HTML

There is no need to use entity references like —, ", or ☺, assuming the same encoding (UTF-8) is used for files and editors as well

The only exceptions apply to characters with special meaning in HTML (like < and &) as well as control or "invisible" characters (like no-break spaces).

Do not use type attributes for style sheets and scripts. Specifying type attributes in these contexts is not necessary as HTML implies text/css and

Independent of the styling of an element (as CSS allows elements to assume a different role per display property), put every block, list or table element

anchor, etc. Using HTML according to its purpose is important for accessibility, reuse and code efficiency reasons.

Not Recommended: <script src="js/app.js" type="text/javascript"></script> Recommended: <script src="js/app.js"></script> **HTML Formatting Rules %** General Formatting

on a new line. Also, indent them if they are child elements of a block, list or table element (if you run into issues around whitespace between list items it's acceptable to put all li elements in one line). Recommended: <blook
quote> Space, the final frontier. </blockquote> <l Moe

<thead>

% HTML Quotation Marks

Not Recommended:

</thead>

Income

Taxes

When quoting attribute values, use double quotation marks.

\$5.00

\$4.50

Curry

Larry

<a< th=""><th>href='login/'</th><th>class='btn</th><th><pre>btn-secondary'>Login</pre></th></a<>	href='login/'	class='btn	<pre>btn-secondary'>Login</pre>
Reco	ommended:		
<a< td=""><td>href="login/"</td><td>class="btn</td><td>btn-secondary">Login</td></a<>	href="login/"	class="btn	btn-secondary">Login