

**WEEK 10 MONDAY (10/24)**

**In-Class Activities: Advanced CSS, parts 3 and 4**

**Introduction**

You will be creating an extensive website for your favorite movie or music album during class for the rest of the semester. You will be required to incorporate the aspects that we will cover in the videos and in class throughout the semester, from introductory HTML & CSS all the way through intermediate and advanced HTML & CSS, principles of UX, and responsive web design. Use of JavaScript/jQuery is encouraged for DIGD 307 students. I will discuss your site with you 1-on-1 during project time.

**Exercise**

For tonight's class, I will give short demos on CSS transitions, transforms, and animation. I will also give short demos on CSS sprites and icon fonts. In the remaining time, you will continue to write the HTML and CSS of your movie/album websites. You are also encouraged to work on your other two Final Projects in class as well.

We will use Codepen to look at some examples of transitions, transforms, animation, icon fonts, and sprites. The pens are here:

CSS transitions, part 1: <http://codepen.io/dynowright/pen/mCsen>

CSS transitions, part 2: <http://codepen.io/dynowright/pen/DLhtJ>

CSS transitions, part 3: <http://codepen.io/dynowright/pen/cCdhD>

CSS transforms, part 1: <http://codepen.io/dynowright/pen/icKoL>

CSS transforms, part 2: <http://codepen.io/dynowright/pen/gmsfu>

CSS transforms, part 3: <http://codepen.io/dynowright/pen/HkGgx>

CSS transforms, part 4: <http://codepen.io/dynowright/pen/DiChq>

CSS transforms, part 5: <http://codepen.io/dynowright/pen/gqAvo>

CSS animations, part 1: <http://codepen.io/dynowright/pen/VKRYVj>

CSS animations, part 2: <http://codepen.io/dynowright/pen/gCtLG>

CSS icon fonts: <http://codepen.io/dynowright/pen/amrObO>

CSS sprites: <http://codepen.io/dynowright/pen/PGLqKa>

The deliverable to be submitted for your grade for today is the code you have written by the end of class. Please send me a zip file on Slack with all your code (and assets, if any).

## Brief

This website for your favorite movie or music album should be considered as a comprehensive, retrospective analysis, not a promotional or “coming soon” type of website (like the usual movie/album website). It is up to you (and your content) to decide how many pages your site will include.

Suggested pieces of content to collect as we go along:

- Reviews, positive and negative
- Famous quotes (from and/or about the movie or album)
- Trivia
- Pictures (be careful with sourcing/licensing)
  - Frame stills
  - Movie posters
  - Talent headshots, press photos
  - Logos/branding
- Video clips (and/or YouTube links, etc.)
- Box office sales figures
- Cast and crew list
- Production members list
- Star ratings and source of ratings
- Awards and nominations
- Purchasing information (DVD, Blu-Ray, etc.)
- Story synopsis
- Technical information (runtime, color process, sound, aspect, etc.)
- Score/soundtrack information
- Other writings (critical, scholarly, etc.) about the movie/album

In upcoming classes, we will cover HTML and CSS in-depth. We will also cover introductory JavaScript/jQuery to add some functionality and interactivity.

## Intermediate HTML

Some suggestions based on the Intermediate HTML part 1 video:

- Reviews (can be organized into <article> or <section> tags, etc.)
- Famous quotes and/or trivia (can be organized into <aside> tags, etc.)
- Pictures (can be organized in <figure> tags, etc.)
- Section titles could be organized into <header> tags. You could use <footer> tags for a site footer, or individual section footers, etc.
- You will need to have some navigation for your website, so you will need to start thinking about how your content will be organized.

Some suggestions based on the Intermediate HTML part 2 video:

- Abbreviations/acronyms (with <abbr> tags)
- Block quotes (with <blockquote> tags)
- Inline quotes (with <q> tags)
- Citations (with <cite> tags, potentially with cite attribute)
- Metadata (with <meta> tags and name attributes, especially meta charset)
- Tables (with <th> header cells, etc.)
- Address tag (with <address> tag)
- Emphasis (with the <em> tag. Note: after we cover CSS, it is strongly suggested to use font-style: italic if italicized emphasis is needed.)

Requirements:

**To demonstrate your understanding of intermediate HTML, you will be required to use each of the following tags at least once in your album/film website:**

1. <header> (NOTE: not the same as <head>)
2. <span>
3. <blockquote>
4. <article>
5. <section>
6. <figure>
7. <nav>
8. <meta>
9. <meta charset="UTF-8">
10. <table>

## Intermediate CSS

Some suggestions based on the Intermediate CSS part 1 video:

- Classes and IDs to use for applying style and presentation to content
- Using IDs as anchors for in-page links, "back to top", etc.
- Start grouping and nesting your CSS as needed
- Pseudo-classes for :link, :visited, :active, :hover, :focus
- Try consolidating your code with shorthand where appropriate

Some suggestions based on the Intermediate CSS part 2 video:

- Pseudo-elements such as :first-letter and :first-line to add style to the beginning of paragraphs
- Background images using different properties (as seen in the video)

Some suggestions based on the Intermediate CSS part 3 video:

- Positioning and alignment for moving divs and other elements around
- The display property if you have a need to switch an element from inline to block and vice versa
- Overflow if you have content that exceeds the size of your divs
- Floating and clearing if you have divs that are lined up next to each other

Requirements:

**To demonstrate your understanding of intermediate CSS, you will be required to use each of the following at least once in your album/film website:**

11. An ID as an anchor
12. A pseudo-class (preferably :link or :visited)
13. A background image using CSS
14. A combined HTML selector in your CSS
15. A pseudo-element (such as :first-letter or :first-line)
16. position: relative (or :absolute or :fixed)
17. display:
18. overflow:
19. float:
20. clearfix:

## Advanced HTML

Some suggestions based on the Advanced HTML part 1 video:

- Using the <time> HTML tag to mark up “last updated” information
- Using the <mark> HTML tag to mark up something highlighted
- Conditional comments and/or an HTML5 shiv, especially if you anticipate IE users with versions older than IE10
- Using <colgroup> and <col> to style columns in your tables
- Using <thead>, <tbody>, and <tfoot> to further organize your tables
- Writing more accessible links

Some suggestions based on the Advanced HTML part 2 video, using the <form> tag and various input types:

- input type=“text” for single line text fields
- <textarea> for multiple line text fields
- input type=“password” for passwords
- input type=“radio” for radio buttons
- input type=“checkbox” for checkboxes
- <select> and <option> for drop down lists
- <select> with multiple and <option> for multiple select boxes
- input=“file” for file uploads
- input type=“submit” and input type=“image” for submit buttons

Requirements:

**To demonstrate your understanding of advanced HTML, you will be required to use each of the following at least once in your album/film website:**

21. Conditional comments
22. <colgroup> or <col>
23. <caption>
24. <form>
25. <input type=“text”>
26. <textarea>
27. Radio buttons or check boxes
28. Form submit using <button>
29. Form label
30. HTML5 video

## Advanced CSS

Some suggestions based on the Advanced CSS part 1 video:

- Vendor prefixes (as needed) for experimental CSS properties
- Advanced selectors for more specific CSS styling
- At-rules for extended CSS usage

Some suggestions based on the Advanced CSS part 2 video:

- border-radius for rounded box corners
- box-shadow for drop shadows for boxes
- column-count for multiple column layouts for text
- pseudo-class selectors
- list styling for your lists

Requirements:

**To demonstrate your understanding of advanced CSS, you will be required to use each of the following at least once in your album/film website:**

31. Vendor prefix
32. At-rule
33. nth-child(N)
34. border-radius
35. box-sizing
36. Background-size
37. Color using RGBa
38. CSS transition
39. CSS animation (revised)
40. Icon font (in-class demo) (revised)