University of Washington, CSE 190 M
Homework Assignment 2: Movie Review

This assignment is about CSS and HTML for layout, positioning, and the CSS box model. You will create files for a fake movie review web site named Rancid Tomatoes for the film *Abraham Lincoln: Vampire Hunter*. Turn in the following files:

- abe.html
- abe.css, the style sheet for abe.html

You will recreate the page below. Your page must match the appearance specified in this document.

We do not expect you to produce a pixel-perfect page that exactly matches this image. But your page should follow the styles specified in this document and match the look, layout, and behavior shown here as closely as possible.

We will provide you a **skeleton of abe.html** with the page contents, but no page sections or styles. The only modifications you should make are to divide it into pieces using div/span/semantic tags, and add id and class attributes. When appropriate, you should prefer semantic tags over divs. A good strategy is to use divs at first and then go back and change those that you can with semantic tags. You should also replace the last two "YOUR REVIEW HERE" reviews with text of your choice. (You are also allowed to add the HTML necessary to enable the "favorites icon" or "favicon" specified on the next page.)

Our next assignment, Homework 3, will build on the code you write in this assignment.
The screenshots in this document were taken on Windows in Chrome, which may differ from your system.

Appearance Details:

All **images** on the page and mentioned in the following text are hosted on the web in the following folder. You should link to all images using their full absolute URLs, not relative ones.

- http://www.cs.washington.edu/education/courses/cse190m/12su/homework/2/

banner.png   bannerbg.png

overview.png   background.png   rottenbig.png   rbg.png   fresh.gif   rotten.gif   critic.gif

The page's title is **Abraham Lincoln: Vampire Hunter - Rancid Tomatoes** . The page has a "favorites icon" ("favicon") of rotten.gif.

The page background is background.png. Page text uses 8pt font, using Verdana, Tahoma, or any sans-serif font on the system. The page body has *no margin or padding*, so its contents stretch to the very edge of the browser window.

The top of the page is an **image banner**. The center of this banner is banner.png. Behind this banner bannerbg.png repeats horizontally across the length of the page. Each image is 50px tall. *(Hint: To make the banner stretch to the edges of the page, use the bannerbg.png as the background image of a block element that is behind banner.png.)* Underneath the image banner is a centered heading containing the movie name and year in a 24pt bold font. The preferred fonts for this heading are Tahoma, Verdana, or any sans-serif font available on the system. The text in the header has a "shadow" located 3px right and 3px down from the original text, using the color #999999.

Below the main heading is the page's **overall content area**, with an overall 32% rating for the film, several critics' reviews, and an overview of the film at right. Taken together this content occupies 800px in width and is centered horizontally within the page. If the page resizes horizontally, this 800px section should move dynamically so that it remains centered horizontally on the page. This overall section has a 4px gray solid border with a 20px round radius and should be sized large enough to contain all of its contents. *(Hint: See textbook section 4.3 on making contents fit.)*

In the overall area there is a 550px-wide left section for the "rotten" 32% rating and the **critics' reviews** of the film. The section is topped by a smaller section containing a large "rotten" image (rottenbig.png), vertically aligned to be even with the bottom of the text around it. Behind this the image rbg.png repeats horizontally across the entire length of the section. Each of these images is 83px tall. This is followed by the 32% overall rating for the film, which is shown in a 48pt red bold font.

Below the 32% overall rating, there are two **columns of reviews**. The columns each occupy 47% of the width of the overall left-center section of the page. There is a horizontal spacing of 2% between the columns and neighboring content. *(Hint: See textbook section 4.3.4 on multi-column layouts, but avoid the new `column-*` CSS3 properties.)*

Each **review** is a box with a quote about the movie, in bold 8pt font. The quote box has a background color of #E8DC9B, and a gray border, 2px thick with a 10px round radius. 8px separate the quote box's content from its border. Each box has an icon (fresh.gif or rotten.gif) for whether the reviewer liked or disliked the movie on the left side of the quote box, with 5px separating it from text to its right. Text wraps around the images as needed.

The reviewer's personal information follows under the quote box, including: the reviewer's name; and the publication in italic. A reviewer icon (critic.gif) is shown to the left of the text, with 5px of horizontal space separating it from the text. There is 20pt of vertical space between reviews. *(Hint: Paragraphs in movie reviews should be made large enough to contain all their content, including any floating content. See textbook section 4.3.3 on making contents fit into a container.)*

The top eight reviews should be as shown, but **you should change the last two** to hold any text that you like.

To the right of the critics' reviews is a **General Overview** section of the page with a list of information about the movie, with a background color of #A2B964. This section is 250px wide, with 10pt between the edge of the section and the text of the list. Its text appears in an 8pt font of Arial or any sans-serif font available on the system. You may assume that the general overview section will always be taller than the section of reviews to its left.

The section includes a definition list (using `dl`, `dt`, and `dd` elements) about the movie such as its stars and director. Each term is bolded and has 10pt of vertical separation between it and the element that precedes it. The bottom of this section contains a list of links about the movie. The list should be shown without bullets or indentation.

Below the reviews is a bar of centered text indicating reviews "(1-10) of 88", with a background color of #A2B964. It is placed directly next to surrounding content. 5px separate the edge of its text and the element's own outer edge.
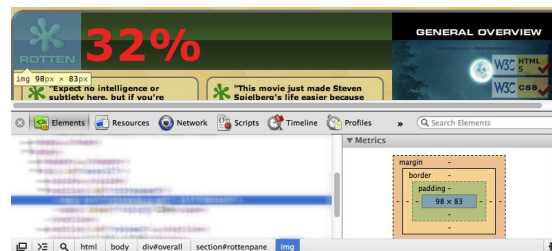
The page's bottom right corner has links to the **W3C validators**. These images should remain fixed in the page's bottom-right corner, even after scrolling. The images should appear as 50% opaque, halfway transparent.

All other style elements on the page are subject to the preference of the web browser.

Implementation and Grading:

Submit your assignment online from the course web site. You do not need to turn in the provided images.

We strongly recommend that you use the **Chrome Dev Tools** on this assignment. Using it to inspect elements will help you find problems with the box model and your styles. We suggest using the "Metrics" menu at the bottom right to see the box model settings for particular elements.

For full credit, your page must use **valid HTML5** and successfully pass the W3C HTML5 validator. Do not express style information in the HTML, such as inline styles or presentational HTML tags such as `b` or `font`.

Express all stylistic information on the page using **CSS** defined in abe.css. The majority of the points for this assignment will be for the abe.css file. For full credit, your style sheet must successfully pass the W3C CSS validator. Part of your grade comes from expressing your CSS concisely and without unnecessary or **redundant** styles. For example, the two main columns of reviews share many (if not all) styles in common, so you should not specify those styles twice in your CSS file. As another example, if the page uses the same color or font family for multiple elements, group those elements into a single CSS rule, so that it would be possible to change the page's color/font by modifying a single place in the CSS. Use context selectors to avoid needing to apply classes and IDs to large numbers of elements. Limit the use of absolute and fixed positioning on this assignment. Do not use HTML or CSS constructs past Chapter 4 of the textbook, and do not use HTML tables.

Format your HTML and CSS to be as readable as possible, similarly to the examples from class. Place a comment header in **each file** with your name, section, a brief description of the assignment, and the file's contents. Properly use whitespace and indent your HTML and CSS code as shown in class. To keep line lengths manageable, do not place more than one block element on the same line or begin a block element past the 100th character on a line. For reference, our solution has roughly 130 lines of CSS (85 "substantive"), but you do not need to match this exactly.

Part of your grade will also come from successfully uploading your files to the **Webster** web server in a subdirectory named `hw2`, so that it is possible to navigate to your page by entering the following URL into the browser:

- https://webster.cs.washington.edu/*your-UW-NetID*/hw2/abe.html

Please do not place a solution to this assignment online on a publicly accessible web site.