

CS212: Web Programming – Spring 2019

Project	Points	Announced	Due
#2	50 ¹	Mar-04	Mar-24

Introduction

This project 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 TMNT². Some required features may have not been covered in detail in class; you will have to explore resources such as your textbook, lecture slides, or online references to learn how to complete these features.

References

1. Chapters 2, 3 and 4 of the textbook; Web Programming Step by Step
2. HTML: Hypertext Markup Language; MDN Web Docs
3. HTML Element Reference; W3Schools
4. CSS: Cascading Style Sheets; MDN Web Docs
5. CSS Reference; W3Schools

General Guidelines

Read the following guidelines carefully before working on this assignment.

1. This is an *individual* homework assignment. You may discuss ideas, ask questions or explain things to your colleagues. Nevertheless, you should solve the problem(s) independently.
2. You should submit your *own work*. Material brought from elsewhere (e.g. the Internet³, a classmate, submission at a previous offering...) is not acceptable.

Submission Instructions

1. Submissions via email will not be accepted. The project should be submitted via BBLearn by the due date.
2. Upload index.html, index.css and any other files needed for your site such as images (including the provided ones), to your CEFNS homepage inside a folder named proj2. If your CAS ID is id123, then navigating to (<https://cefns.nau.edu/~id123/proj2>) should display your index.html file.
3. Also, submit index.html, index.css and any other files your pages use such as images (including the provided ones), via BBLearn *and* include the link of your proj2 folder in the submission comment box. You **must** compress your files and upload a single archive. Only .zip archives are allowed.

In this project, you will create these files:

1. A required *index.html*.
2. A required *index.css*, the stylesheet of index.html.

Index page:

You will recreate the page below⁴. 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 index.html (skeleton.html) with the page contents, but no page sections or

¹ This project will be graded out of 50 points, but it is worth 5% (i.e. 5 points) of the overall course score.

² This project was developed by Marty Stepp and Jessica Miller from the University of Washington and revised by Dr. Mohamed M. Elwakil of Northern Arizona University. Licensed under Creative Commons Attribution 2.5 License.

³ Unless explicitly asked to do so.

⁴ The screenshot in this document were taken on Windows in Firefox, which may differ from your system.

styles. The only modifications you should make are to divide it into sections using div/span tags and add id and class attributes. 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.)



All images mentioned in the below requirements are provided in assets.zip.

Appearance Requirements:

1. The page's title is TMNT - 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.
2. 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.)

3. 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.
4. Below the main heading is the page's overall content area, with an overall 33% 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.)
5. In the overall area, there is a 550px-wide left section for the "rotten" 33% 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 33% overall rating for the film, which is shown in a 48pt red bold font.
6. Below the 33% 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.)
7. 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.
8. 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.
9. 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.
10. 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.

In addition to the above requirements, your pie recipe page must conform with the following ones:

- 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 textbook or Google.
- Express your CSS concisely and without unnecessary or redundant styles. For example, if the page uses

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the same color or font family for multiple elements on the page, you must 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 file.

- Choose appropriate HTML tags to match the structure of the content on the page. Do not express style information in HTML with inline styles or presentational HTML tags such as `` or ``. You may not use any HTML tables in your `pie.html` page.
- 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.
- 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.

This project will be graded according to this rubric:

Criteria / Component	Points	Criteria / Component	Points
Requirement #1	5 pts	Requirement #7	5 pts
Requirement #2	5 pts	Requirement #8	5 pts
Requirement #3	5 pts	Requirement #9	5 pts
Requirement #4	5 pts	Requirement #10	5 pts
Requirement #5	5 pts	Page is inaccessible via CEFNS URL	-4 pts
Requirement #6	5 pts		

With best wishes

Dr. Mohamed Elwakil