WebTraining Challenge: Tables

This assignment is intended for you to understand tables, table headers, collapsing borders, column and row span, and information you can put into a table using HTML and CSS. You will be able to complete this challenge by using the content from the course and reading online resources. Please complete the requirements listed below.

Essential Requirements:

- **The filename should be named "<YourName>Tables.html".** Replace YourName with your real name. For example, my name is Hao Zhang, my filename would be "HaoZhangTables.html". This requirement will be applied to every assignment, therefore always remember to rename your file accordingly.
- Write and complete the following comment in your HTML document:

```
<!—
    name:
    date:
-->
```

- Must be a well-formed HTML5 document that uses CSS for the page design and layout
- Use **External CSS** and use **<link>** in head of document
    - **DO NOT** use Inline CSS or Internal CSS
- Your file must past validator without error
- Include the additional items to pass the validator at **https://validator.w3.org/** by using the "Validate by File Upload"
    - When you are finished writing your code, take your code and run it through the validator. In order to pass the validation, the validator will ask you to add additional items. You should add these request(s) to your code. **Make sure there are no warnings or errors with the validator, by receiving the following message:**

      Document checking completed. No errors or warnings to show.
    -

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You should use HTML and CSS to create a table followed by a single custom CSS card to complete the following requirements:

General Requirements:

1. The background of the website should be anything but white

Table Requirements:

1. Select 2 movies from https://www.regmovies.com/theatres/regal-columbia-rpx Regal Columbia & RPX
    1. One movie must have more than 4 movie showtimes in the table
2. Looking at the movies on that site, make your own table with the poster, movie name, rating, length of movie, **all** of the show times, and amenities for that specific movie
    1. You can find the posters from the link above and if you right click and select "Save Image As" you can save them into your project directory
        1. Make sure everything in the submission is school appropriate, otherwise your submission will be rejected.
    2. Follow the example given to you so your page looks similar to example screenshot below
3. Use a **single table**, **do NOT nest multiple tables within one another**
4. In class, we used the **colspan attribute** to make a <th> tag (table header) **stretch across** the **width of the table**. For this challenge, you will need to **look up the attribute** used to **stretch across rows** and use it.
5. **Headers:**
    1. Create a header with text: "Movie Theater Showtimes"
    2. Create a header with the current date you checked the movie times
    3. The first header should be larger than the second one
    4. Both Headers:
        1. Have to span across the columns and be centered on the page
        2. Font family should be "Permanent Marker"
            1. You can link from google, as shown in class
        3. Backup font should be Cursive and then Arial.
6. **Table requirement:**
    1. The **border** should be **solid black** and **collapsed** at a size of your choosing other than the default size
    2. The first font family should be "Arial", the backups should be "Helvetica" and "Sans-serif"
    3. Movie time cells should be evenly spaced

    4. Remember to center the text in all of the "odd" columns
    5. The table width should be 100% of the page
7. **Colors requirements:**
    1. For both headers, put any background color other than black and put any text color other than the default
    2. For the "Poster", "Movie", "Rating", "Length", "Showtimes", and "Amenities" put any background color other than black and text color other than the default
    3. Even rows, following the 3rd row (row with "Poster", "Movie", "Rating", etc.) need to have a background color of gainsboro
    4. Odd columns following the 4th row can be white
    5. Each "Showtimes" cell with a value before 5pm should be highlighted with color red (Background color of the cell should be red as shown in the example screenshot)
8. Input the showtimes exactly like it is shown in the screenshot
9. "Poster", "Movie", "Rating", "Length", "Showtimes", "Amenities" need to be centered in the cell (row 3)
10. "Poster", "Movie", "Rating", and "Length" columns should span across all the rows in the "Showtimes" column (Follow the screenshot)
11. The "Amenities" columns should span across all the rows in the "Showtimes" column (Follow the screenshot)
12. Poster images **height is 200px**
    1. You can find the posters from the link above and if you right click and select "Save Image As" you can save them into your project directory
        1. Make sure everything in the submission is school appropriate, otherwise your submission will be rejected.

<u>CSS Card Requirements:</u>

1. After the table is complete, create a custom CSS container that will display one move from the movie list at https://www.regmovies.com/theatres/regal-columbia-rpx Regal Columbia & RPX
2. To create the container, first create a wrapper div that will hold two child div's (Much like from challenge 3!) and an image (3 columns).
3. The image in the wrapper should be on the very left of the container (like a float left), followed by a second div which will hold movie information, and one last div that will be next to that movie information. (Check the image for an example)
4. **Card Specifications:**
    a. The wrapper div (container):
        1. should have a width of 80%
        2. Have a box-shadow other than default

3. Have a 2px border of your choosing other than default
4. Include a top and bottom margin of 10px
5. The wrapper div should be centered on the page

b. The image (left column):

1. The height of the image should be 300px
2. Include a width of 20%
3. Image should be on the very left of container (reference screenshots below)
4. Include a 1px solid black border around the image
5. Create a 10px margin around the image
6. Make the image one of the movies from the list

c. Middle Information div (middle column) (Think of challenge 3!):

1. This div should have a width of 40%
2. It should sit next to the image
3. Give it a font other than default
4. Make the font size other than default
5. Provide a top margin of 10px
6. Use text-align left
7. This div should contain the title of the movie at the top
8. Under that title, use an <hr> tag. Set the hr width to anything but 100%.
9. Under the <hr> tag, include the rating and length of the movie
10. At the bottom of this div, include the amenities. The amenities should be at the bottom of the div and not directly under the rating and time. (Reference screenshot, use the position element like in Challenge 1).

d. Right Information div (right column):

1. Include a percentage width that will have this right div fit perfectly in the container next to the others. (Hint: try around 35%. The margin of the image on the left keeps us from doing 40% width on the right because image physical width of 20% + 20px of margin was initialized earlier).
2. Give it a font other than default
3. Make the font size other than default
4. Create a top margin of 10px
5. Use text-align righ
6. This div should contain the word: “Viewing Times” at the top
7. Under that title, use an <hr> tag. Set the hr width to anything but 100%.
8. Under the <hr> tag, include the times. You have freedom in the way you display the time, but it should be organized and easy to read.

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Bonus Requirements:

1. **Add modals to your page for each movie selected, you must do this with pure CSS and HTML only.** Using bootstrap, jQuery, or any other API will not reward bonus credit.
2. When clicking on the image of the movie, it will bring up the **preview for the movie from www.youku.com and display in the modal.** You may copy/paste the embed code from YouTube.
    a. **Make sure you do not copy the inline CSS from the embedded code.** You will be counted off for any inline CSS that results from this. Therefore, you should fix it in your external CSS file.
3. You must have **some way to exit the modals** for each movie.

- **Make sure you use a relative path for the images**
    - You can find an article about relative paths here:
        - https://www.w3schools.com/html/html_filepaths.asp

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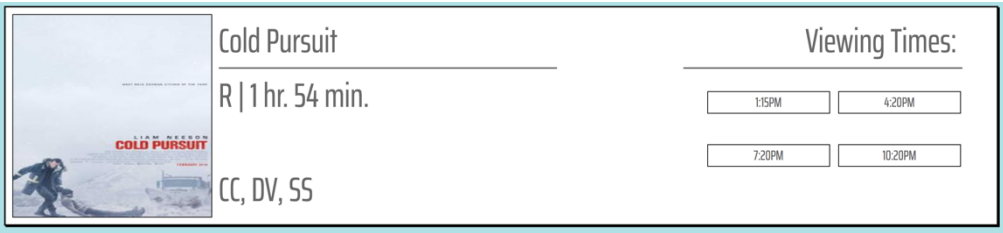
Example Screenshots:

Table:

Movie Theater Showtimes						
February 9, 2019						
Poster	Movie	Rating	Length	Showtimes		Amenities
	Cold Pursuit	R	119 Minutes	1:15PM 4:20PM 7:20PM 10:20PM		Closed Caption, Descriptive Video, Stadium Seating
	Miss Bala	PG-13	104 Minutes	1:20PM 4:15PM 7:00PM 9:45PM	4:15PM 5:05PM 7:35PM 10:25PM	Closed Caption, Descriptive Video, Stadium Seating

CSS Container:



More Screenshots Below

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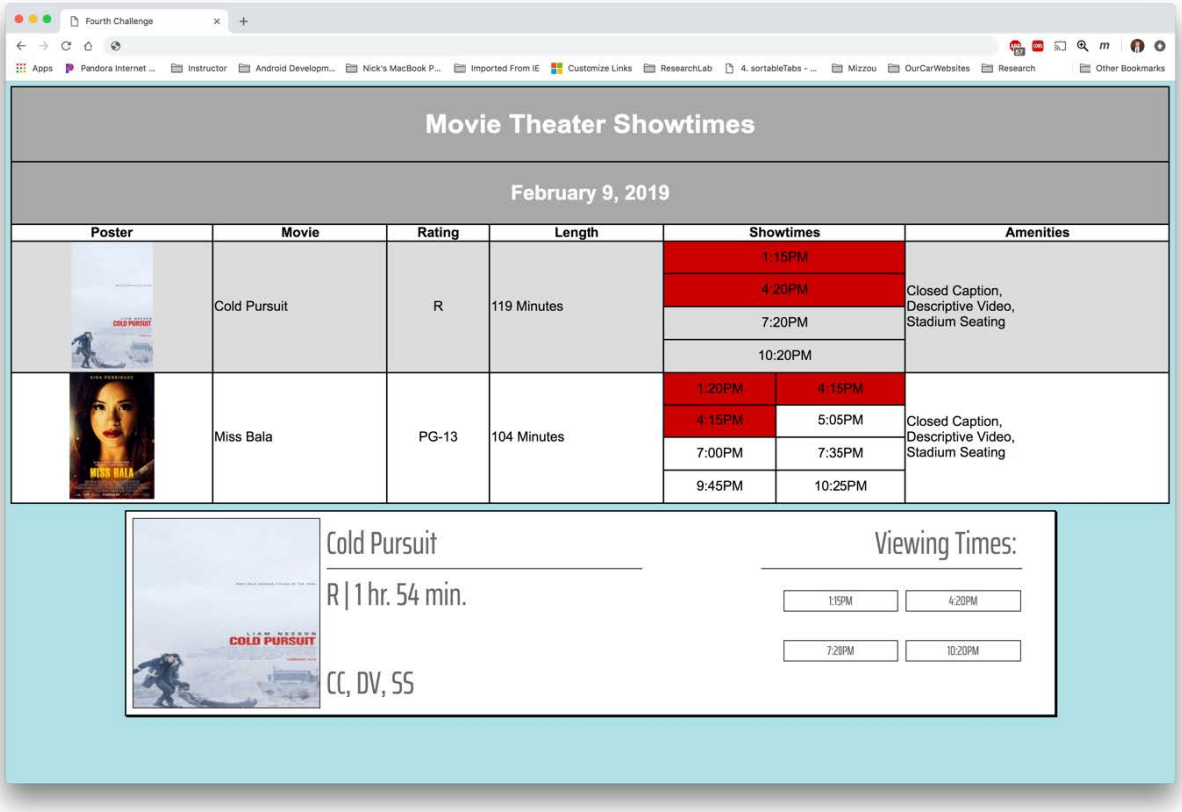
Note…The CSS Container is directly below the table:



More Screenshots Below

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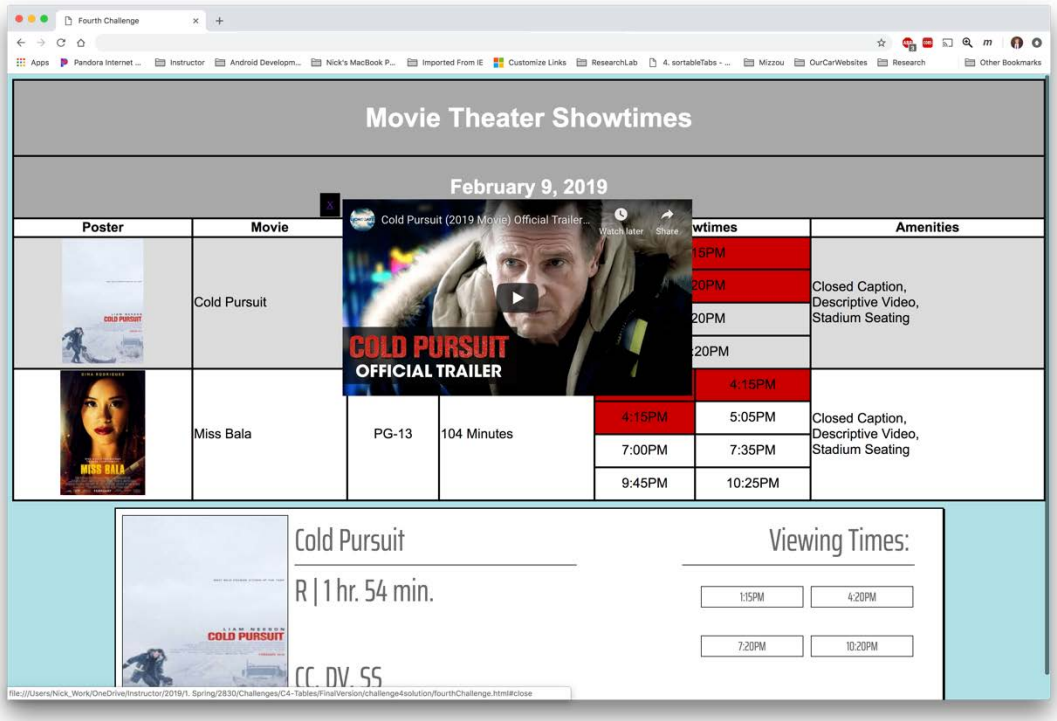
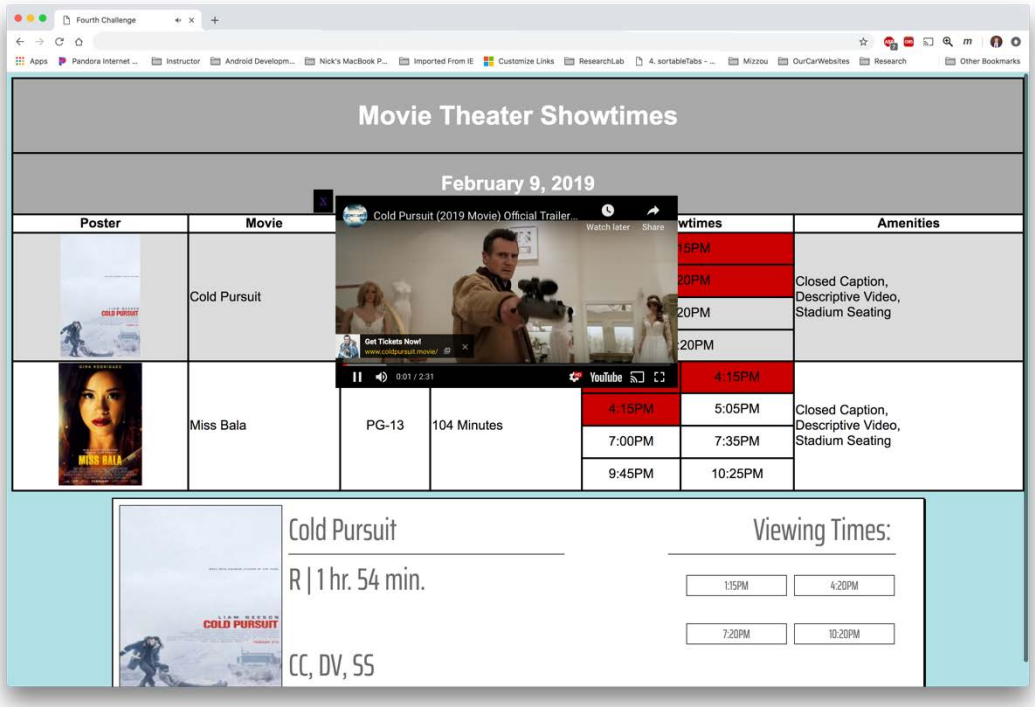
Modal Example:



Movie Playing: