

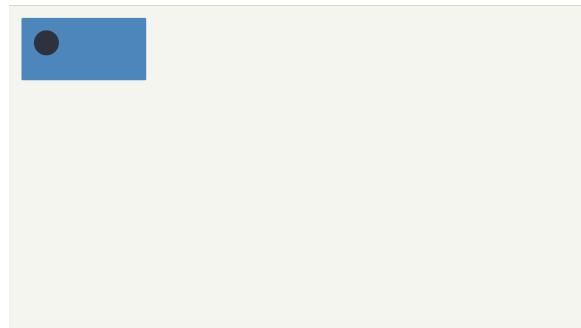
"The Web Design Workshop" DeCal – Homework 4

Positioning Practice

CSS Positioning can be quite hard to understand. Once you master all the intricacies of CSS Positioning, however, you can basically create any sort of design using CSS. In this exercise, you will answer questions that will test your understanding of CSS Positions. If you are stuck, post your question on Piazza or come to our office hour: Sunday 2-4PM @ FSM Café next to Moffitt Library

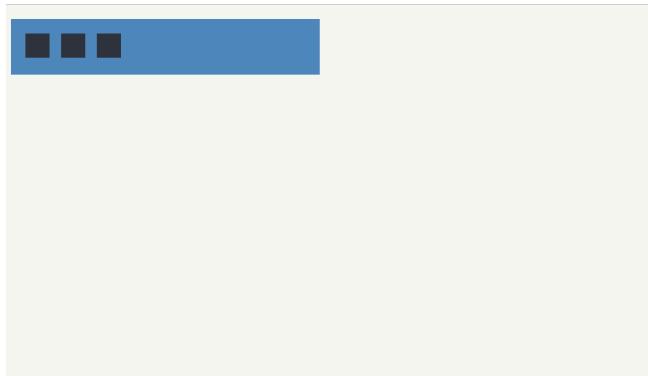
You must NOT make any changes to HTML document in these questions. All of your changes should only be in style.css

1. In question1.html, you will see a circle and a rectangle. Your job is to make the circle go inside a rectangle to look something like this:



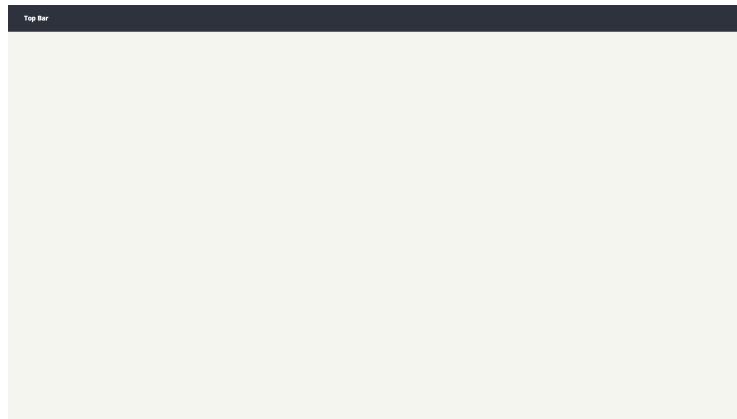
Hint: Ideally, your changes to style.css should involve only two or three lines of code. Use position CSS property to achieve this effect.

2. In question2.html, you will see three squares aligned vertically inside a rectangle. Your job is to align these three squares horizontally. Additionally, the rectangle enclosing the three squares should not change in shape.



Hint: Ideally, your changes to style.css should involve only one or two lines of code. Use float or use display CSS property to achieve this effect.

3. In question3.html, you will see a top bar, but it goes away when you scroll. Your job is to make the top bar stick to the top even when you scroll.



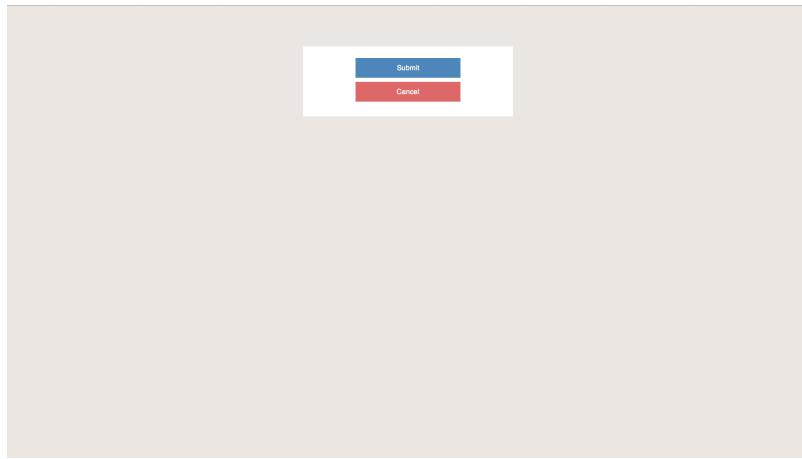
Hint: Ideally, your changes to style.css should involve only two lines of code.

4. In question4.html, you will see a box below a background image. Your job is to vertically center a box on top of a background image.



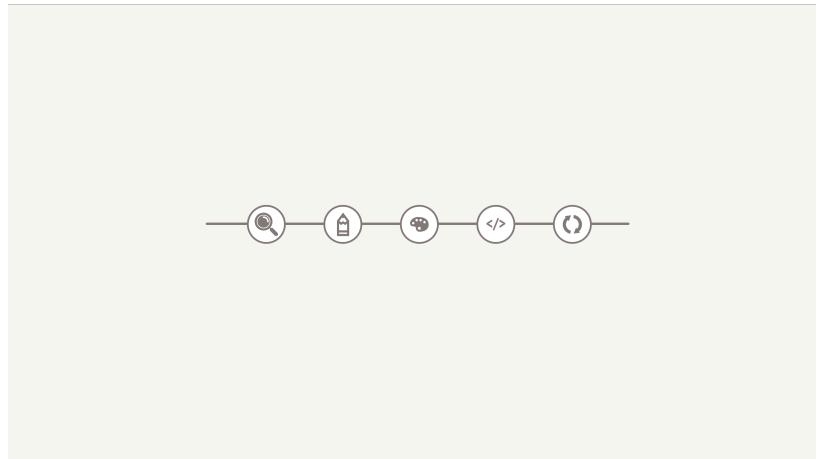
*Hint: To vertically center an element, add:
position: absolute;
top: 50%;
margin-top: - (height of the element / 2) px.*

5. In question5.html, you will see a partially styled HTML file. Your job is to make the HTML look like this:



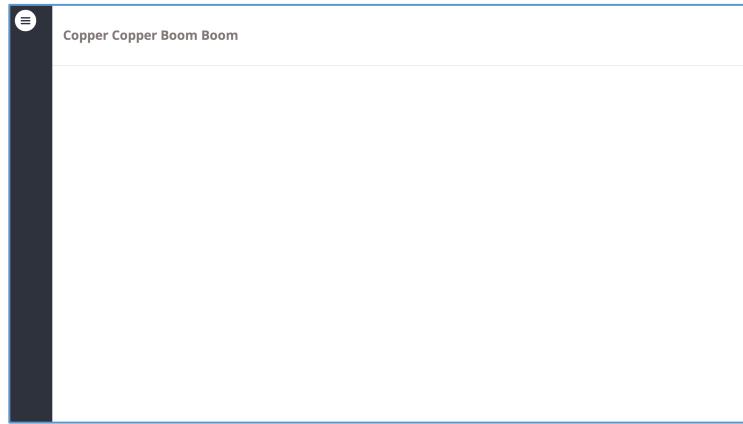
You are not allowed to use any additional padding or margin property. You should use position: absolute with top and left properties to position your elements for this question.

6. In question6.html, you will see a spine and 5 icons. Your job is to create a timeline-style view like this:



Hint: You can take multiple approaches to this problem. You will need to use display attributes for sure, but you can do either margin with a negative value or a combination of position absolute/relative with perhaps z-index to create the overlap.

7. In question7.html, you will see an unstyled HTML file. Your job is to make the HTML look like this:

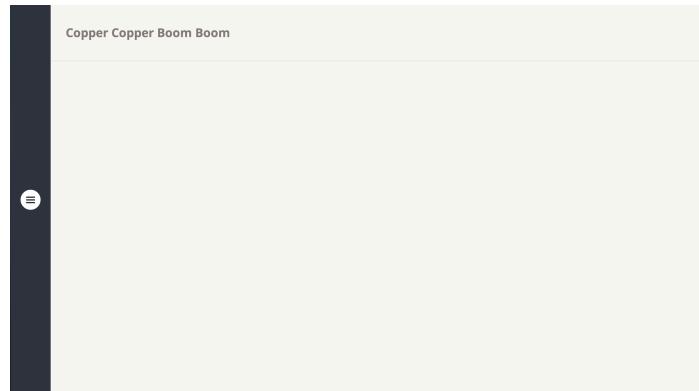


Basically, you are creating a sidebar instead of a top bar described in lecture. The sidebar should remain in the position when the user scrolls the web page. The sidebar's height should also be equal to the window's height.

Hint: If some of the contentarea is covered by the sidebar, try using margin-left property on the contentarea.

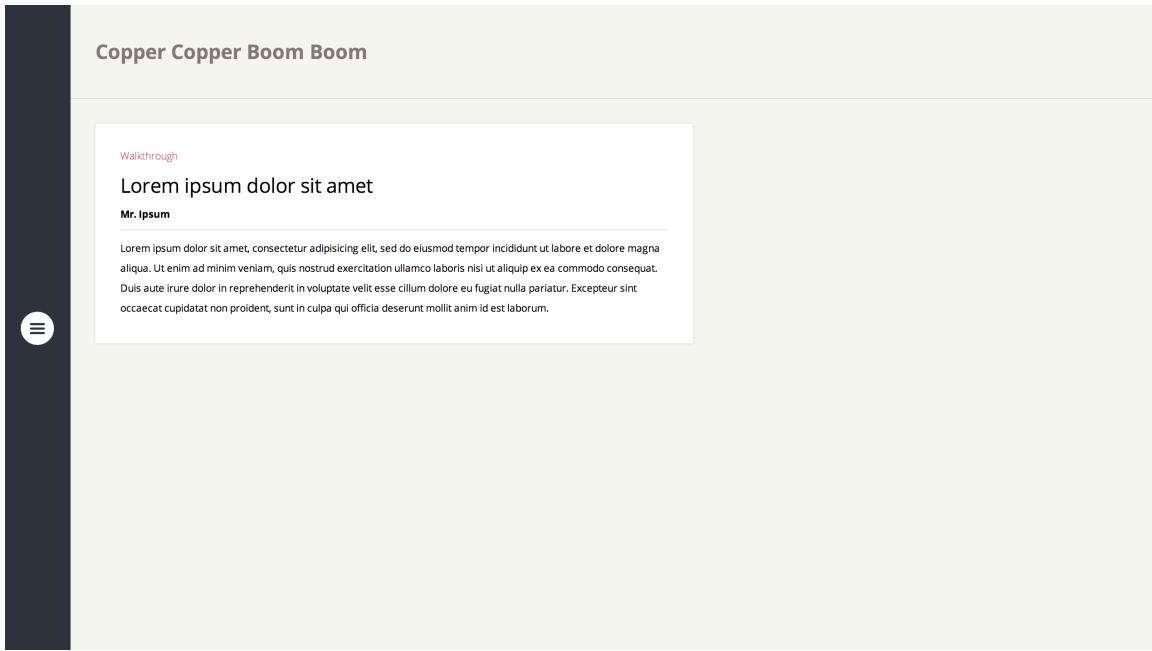
You may make changes to HTML document for following questions only.

(Extra) 8. Center the logo in the sidebar of question7.html both vertically and horizontally. The result should look like this:



Hint: You might need to add another div surrounding the logo with an arbitrary id.

(Extra) 9. Uncomment the post div in question7.html. Style the posts so that it looks like the ones demoed in lecture:



Submission

To submit, send the following files to submission@thewebdesignworkshop.co

1. A zipped copy of hw4 folder

This assignment is due by Saturday, March 8th at 11:59PM.