

Web Design DeCal

Homework 5   Oct 15th

## Announcements

Your Group Project is due in a couple of weeks! Hope you've been meeting up with your group :) Happy Coding!

Group Project Info

## Positioning Practice

**Required Tool:** Text Editor and Google Chrome Web Inspector

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.

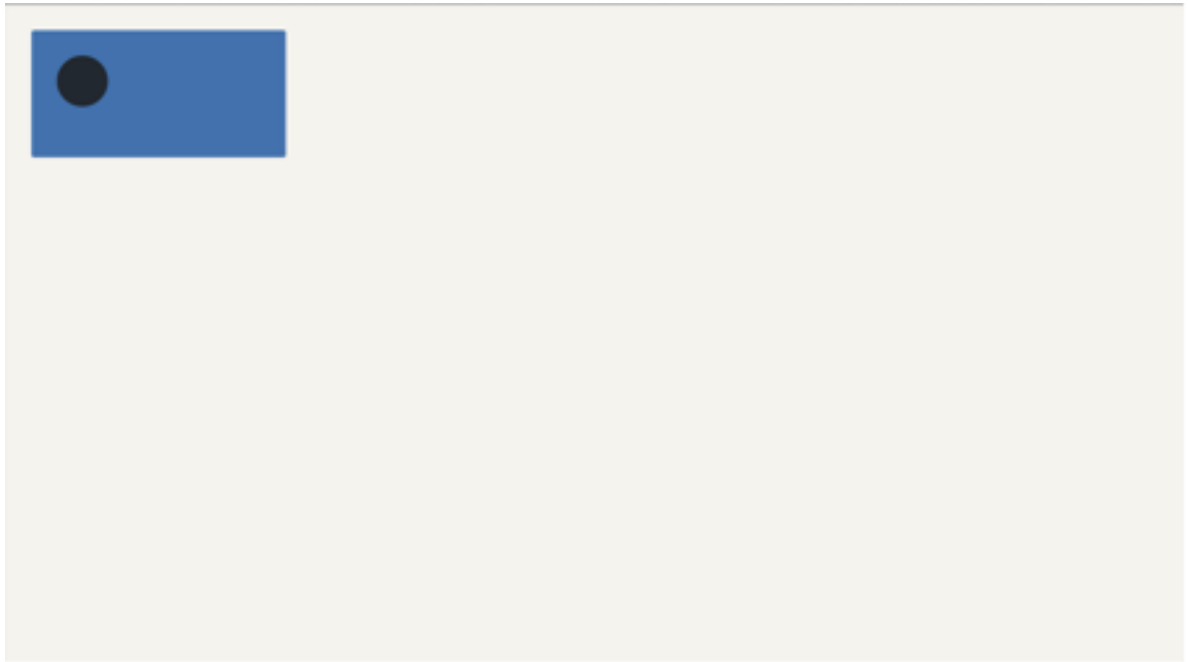
## Assignment

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

Download Assignment

- **Question 1**

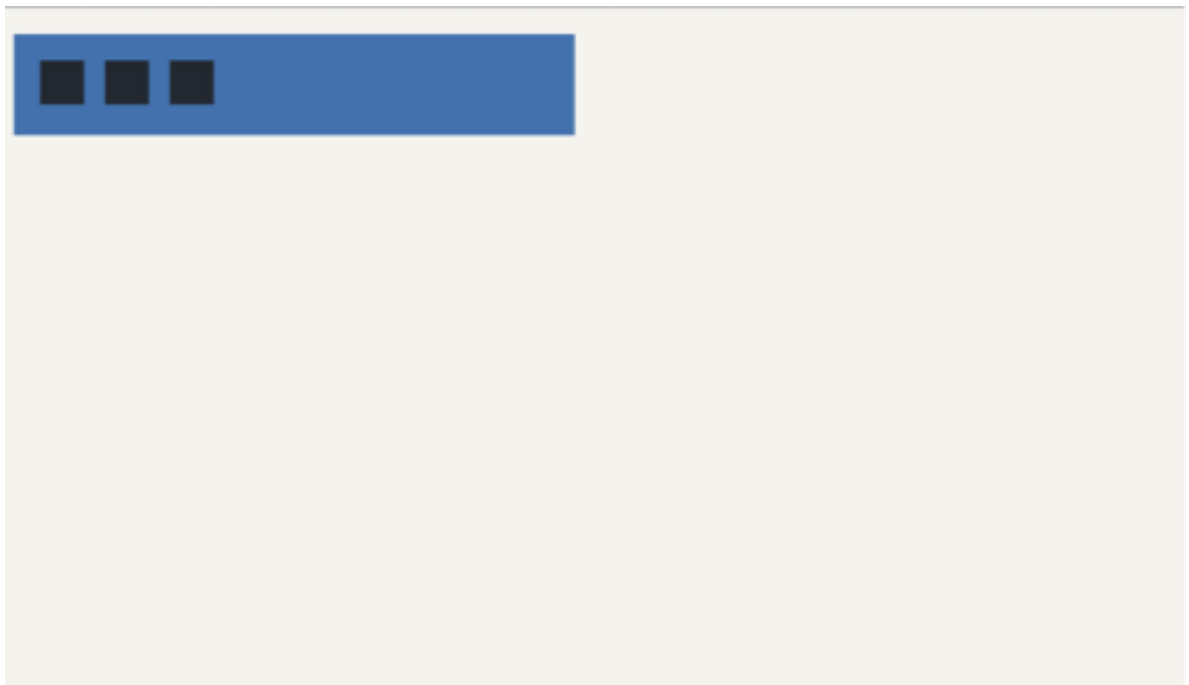
In question1.html, you will see a circle and a rectangle. Your job is to make the circle go inside a rectangle to look something like this:



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

- **Question 2**

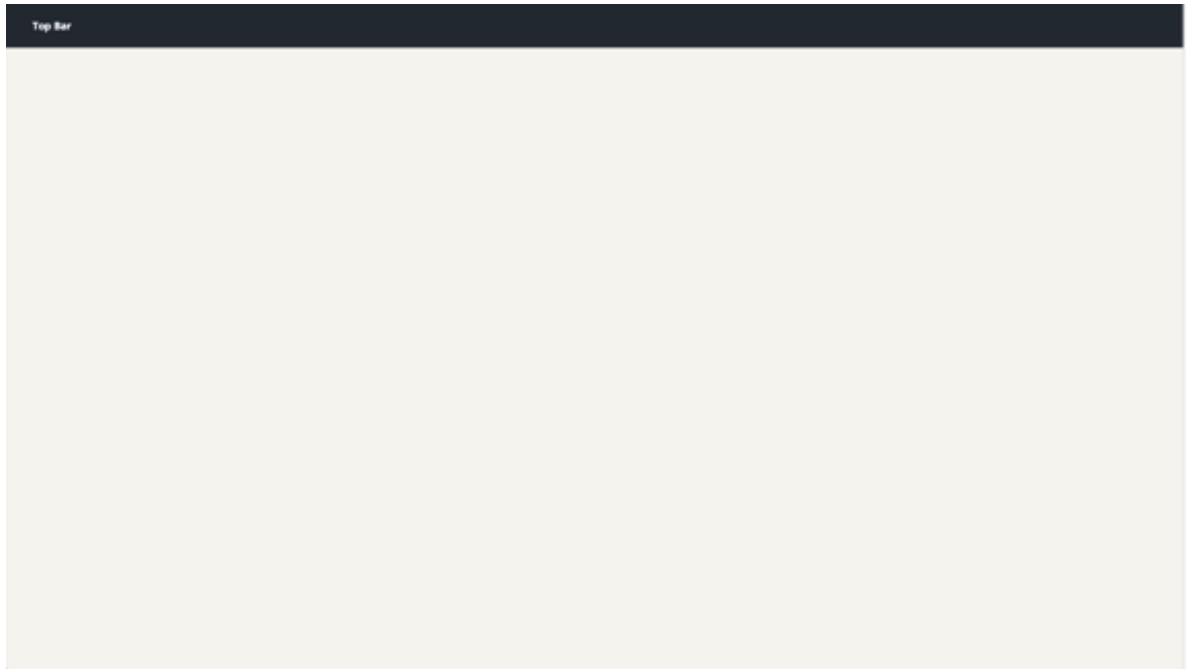
In question2.html, you will see three squares aligned vertically inside a rectangle. Your job is to align these three squares align horizontally. Additionally, the rectangle enclosing the three squares should not change in shape.



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.

- **Question 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.

- **Question 4**

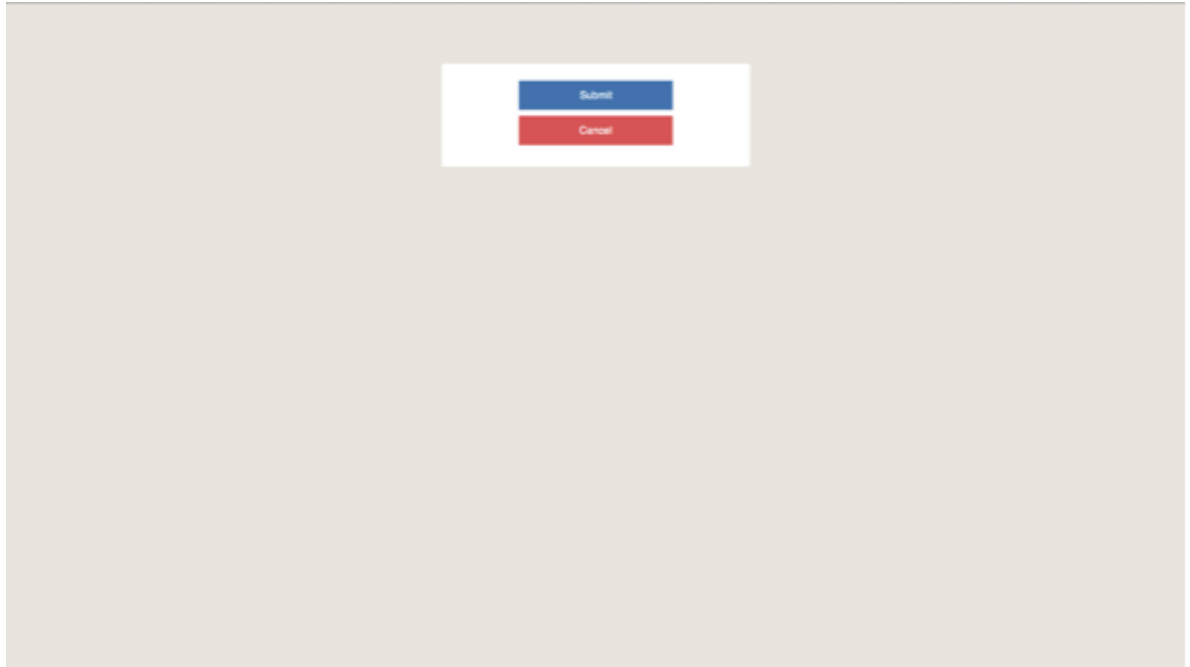
In question4.html, you will see a box below a background image. Your job is to vertically center a box on top of a background image.



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

- **Question 5**

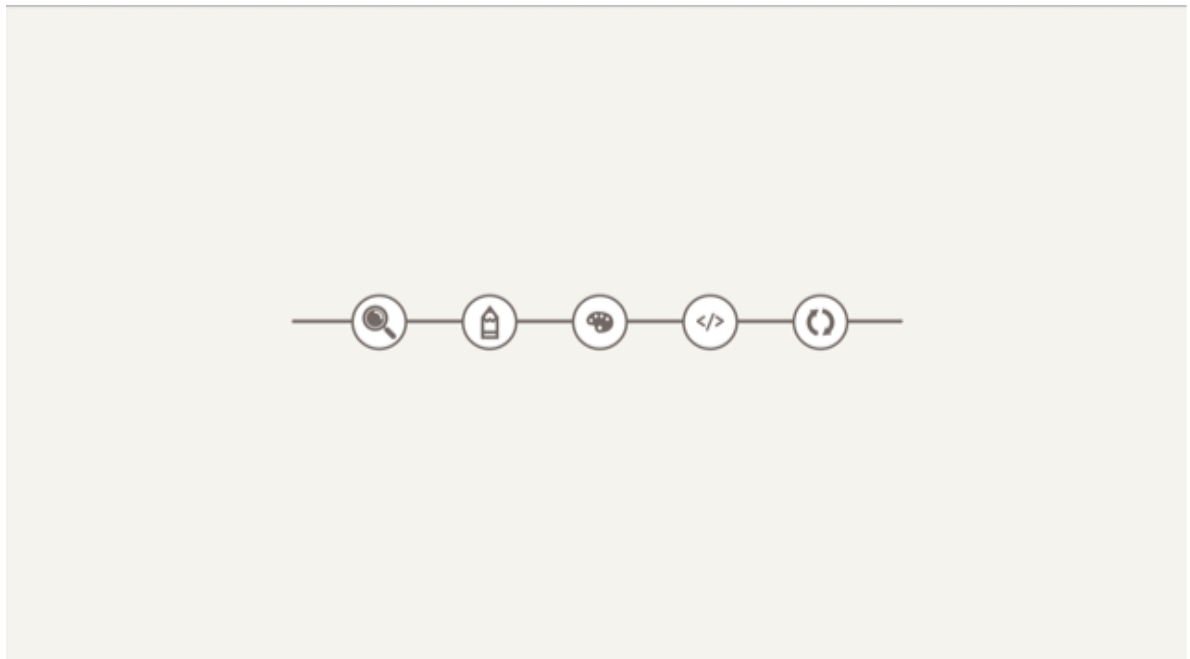
In question5.html, you will see a partially styled HTML file. Your job is to make the HTML look like this:



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. The container of the submit and cancel buttons should be relatively positioned.

- **Question 6**

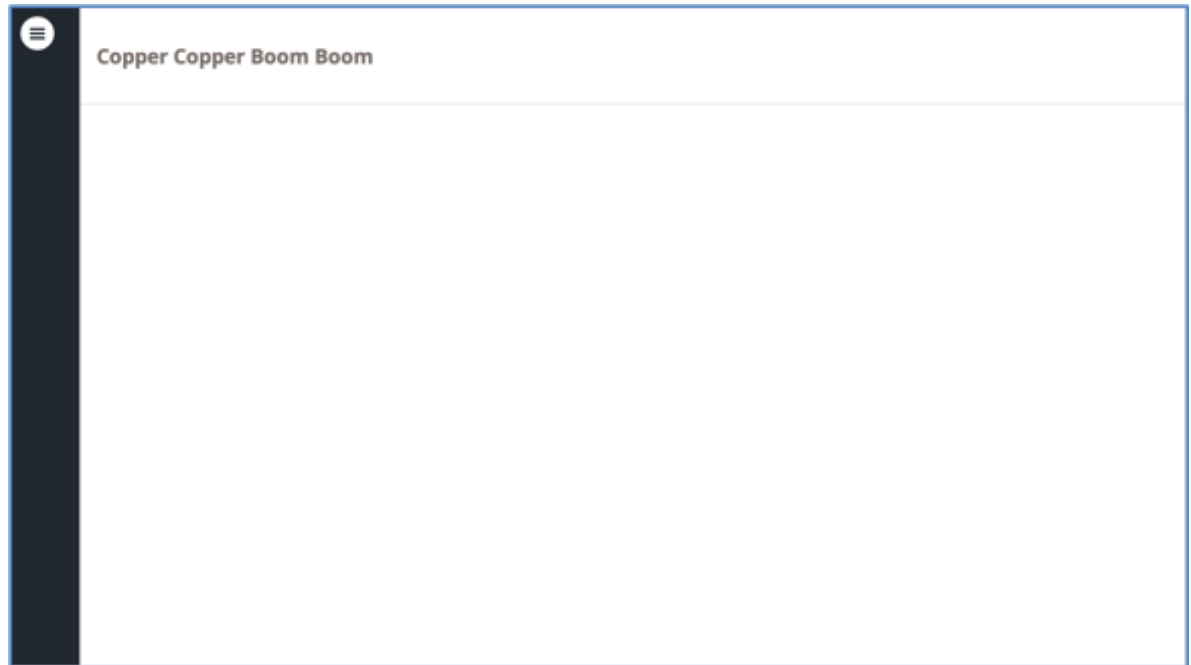
In question6.html, you will see a spine and 5 icons. Your job is to create a timeline-style view like this:



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.

- **Question 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 content area is covered by the sidebar, try using margin-left property on the content area.

## Submission

Submit the following files as a **zip** file through Assignments under Resources tab of the WDD Portal:

- index.html
- question1.html
- question2.html
- question3.html
- question4.html
- question5.html
- question6.html

- question7.html
- assets/style.css
- assets/

Your assignment must be submitted as a **zip** file. Submission will automatically fail if your submission does not contain the index.html or if it is not a zip file.

This assignment is due by Thursday, **October 15th** at 5PM.