Assignment 8
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Part 1
      The name of my website is called, Soporific. The content of the website is about sleep and the importance of sleep. Many people suffer from issues with sleep deprivation (especially college students), so I designed the website to inform this audience about the importance of sleep, its effects, and tips to improve sleep. The first page, "What Sleep Does," has information about what sleep deprivation does to the body as well as some fast facts about sleep. The second page, "Sleep Cycles", has a graph about sleep cycles and a sleep cycle calculator to help people determine when to sleep to wake up feeling refreshed. The last page consists of some tips for the user to improve their quality of sleep. Soporific uses a combination of visuals, animation, and color to engage the user along with the content.

Part 2
Navigation
- Located in upper right hand corner. Active/current page that a user is on should be indicated by a line.

Home Page
- Stars in background should twinkle once every second.

What Sleep Does
- Desktop only: Moon and stars should move into animation in lower left hand corner

Sleep Cycles
- Desktop only: Graph should fade in.
- Sleep calculator: Select time that user wants to go to bed. Should receive a list of 4 times that a user can try going to bed at.

Getting Quality Rest
- Click on any of the 6 icons and receive a modal with more information about the tip.

Part 3
- p5.js
- Used it for interactive animations and drawing.
- It was used on the animations on the home page and the "what sleep does" page as well as the graph from the "sleep cycles" page.
- Adds nice interactivity and nice graphics for a user to look at.
  - Gives me more exact control as to how things show up on the screen.

Part 4

- Moved from single scroll page to a multiple page layout. A lot of the feedback I got indicated that it was difficult to navigate and quite confusing, so the content is split into multiple pages.
- Removed scrolling animated section about sleep deprivation. Given time constraints and difficulty that I was having working with p5, I decided to remove it. Furthermore, users indicated that they were not sure what they were looking at and it was not a very helpful graphical illustration. I put in a table with details about the effects of sleep deprivation instead and added a little illustration at the bottom of the page.
- Reduced number of gradients on website. The overwhelming number of gradients on my original design was quite jarring to the eye, so I got rid of quite a few of the gradients/gradient backgrounds.

Part 5

I think that working with p5.js was the biggest challenge that I faced during the course of this project. Because it is animation based, I had to think about what was being drawn on the canvas in each frame, which I was not very used to. p5 was also missing functionality that I needed or it was a lot more difficult to implement, so I had to find work arounds. Another issue with p5 was mobile responsiveness. It didn't quite size things the way it should have, so I had to remove some illustrations and animation for the sake of usability. If I had more time, I definitely would have implemented many other features and made better quality animations.