Life of a personal object README

For my personal object scrollytelling website, i will display some of my drawings and a sequence of a painting that represent its transformation. I will use gsap scroll trigger method to set a specific scroll effect, that pins the page to the top. I will also add a theme picker that changes between light and dark mode, to increase the accessibility of my webpage.

HTML sections

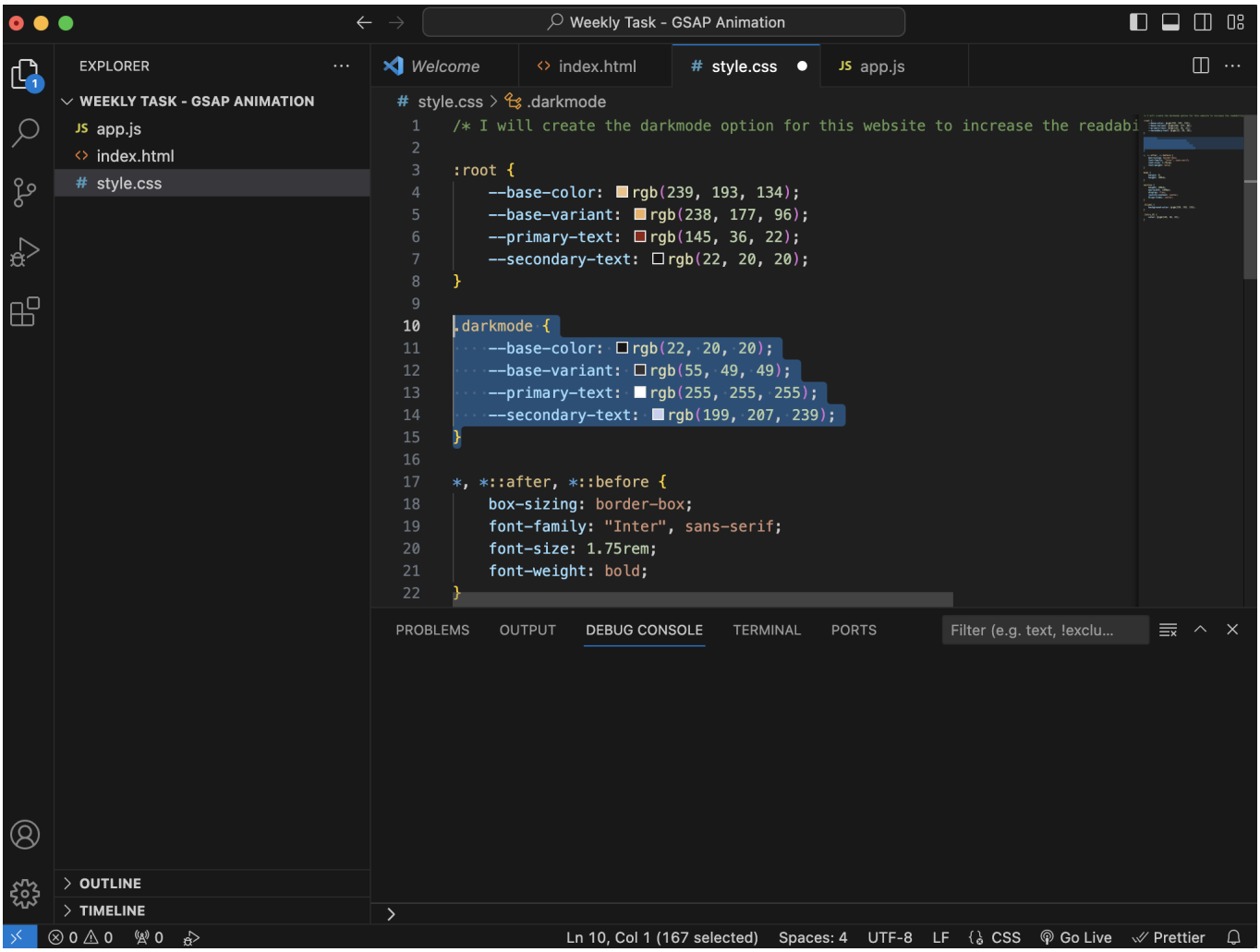
In this project I will have slide-like elements that I will position as section tag in html. Each new section will equal to viewport, so I will have 5 or so slides that go one after another.

I will have my button at the very top, but I'll get to that later

On my intro page I will paste a heading one, which will be my main title and some text
For the design purposes I'll be using lorem ipsum paragraphs along the way just to see how the sample text would look. At the final stage of the project I will swap my text with the one I have wrotten for this weekly task.

CSS styling

I want to use darkmode and light mode in this project to increase accessibility, so I define my default and darkmode class in css.



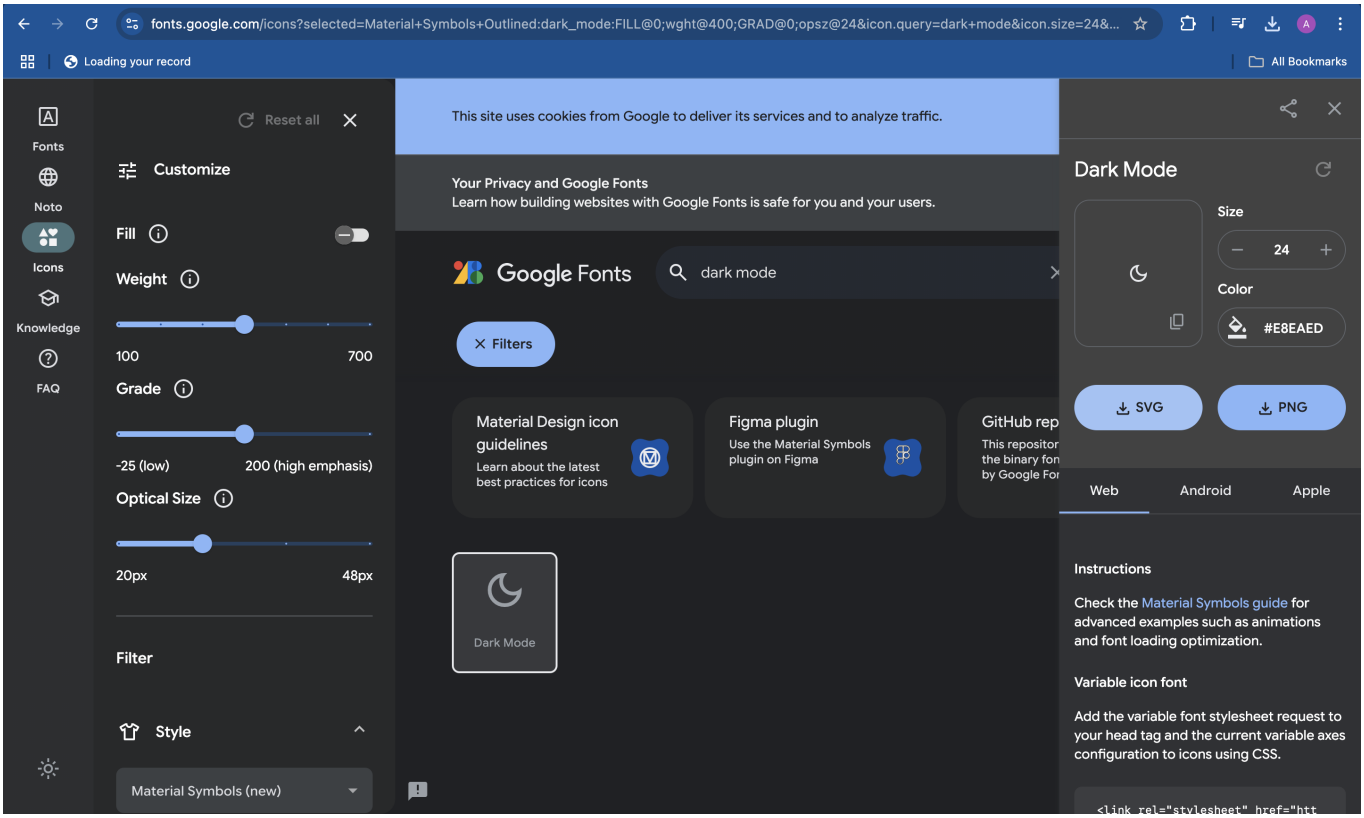
It means that whenever I will introduce a new color, I will have to use a variable, and define it in my root and darkmode sections.

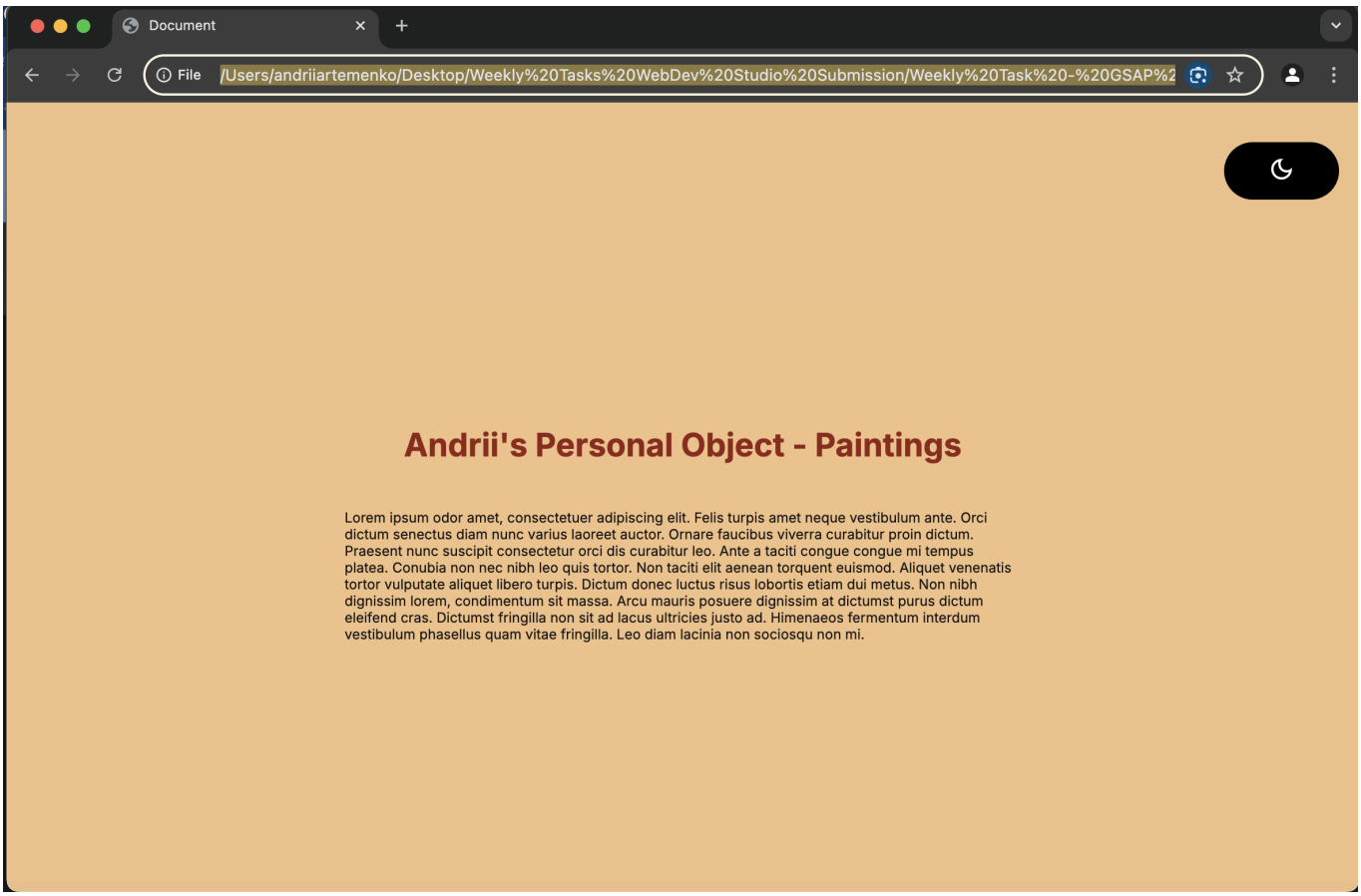
I have made some just to see how the effect would look like.

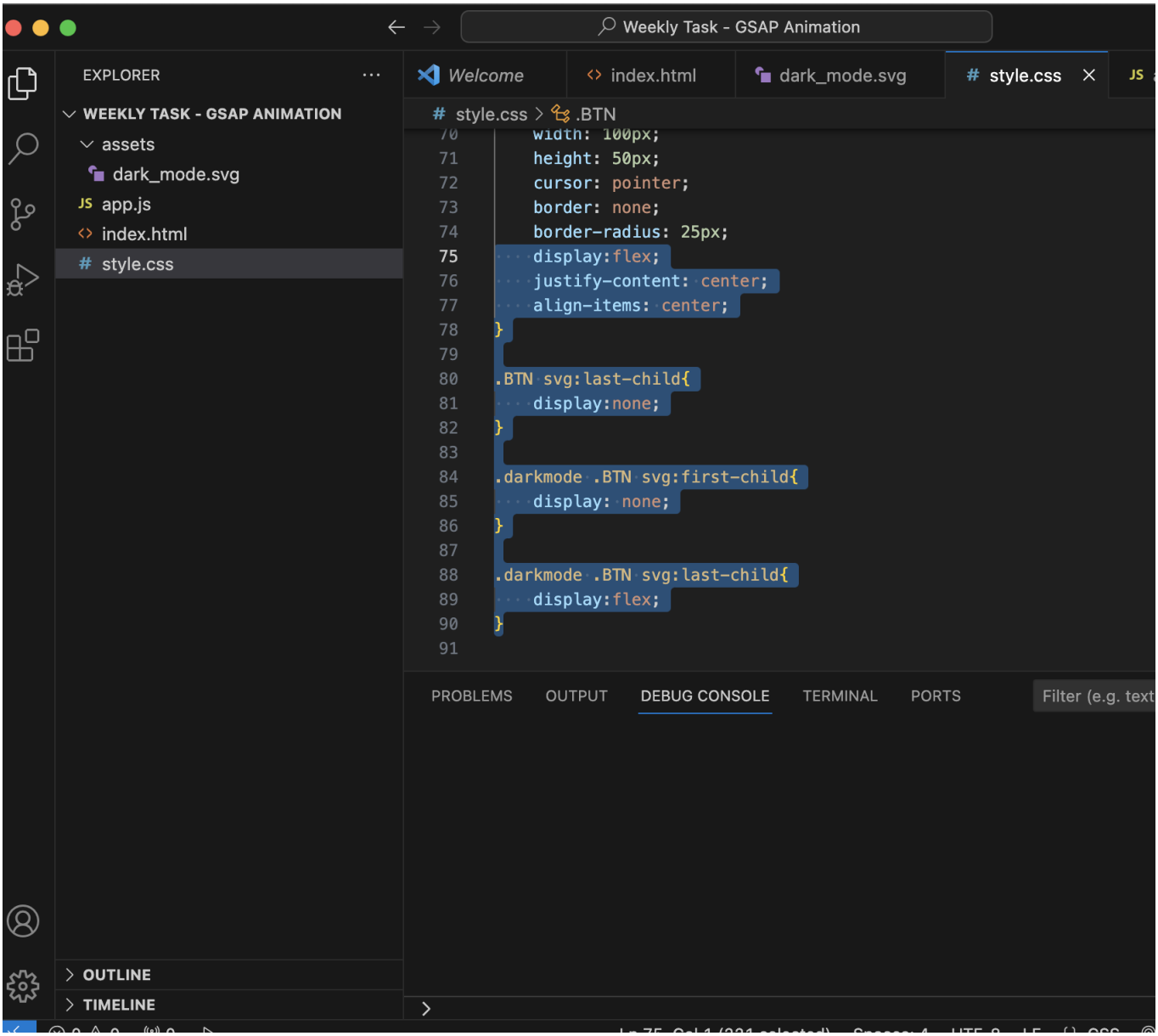
I made a search in how to set darkmode in vanilla CSS and Javascript to get some ideas on how to do it. I found this ('Create a Dark Mode Switch with HTML, CSS, JavaScript', 2024) reference specificlly helpful and I have used it as a base for my code for the light mode / dark mode switch button, with some changes I have made.

As I have defined my themes, the next step is to make UI for the user to control switch of the themes.

I will use button html tag and style it in CSS







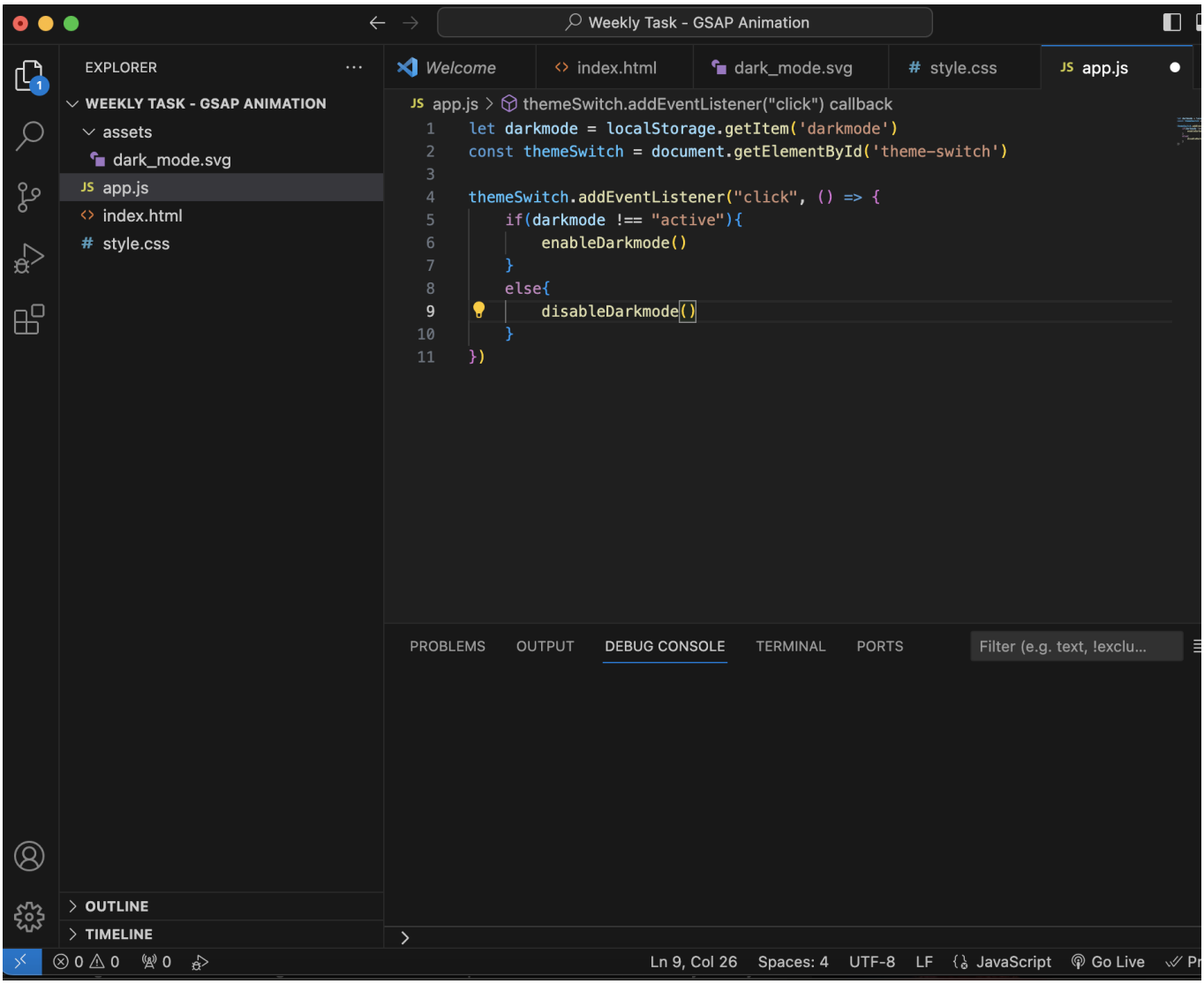
Here, I learned how I can switch the content of the svg container based on whether darkmode is applied or no. Because I have 2 'children' svgs of a class BTN, i can refer to the at first and last child. I will later add interactivity in javascript, but so far it defines some styling chnages.

In my JS file I can access my darkmode class through the localStorage getItem method.

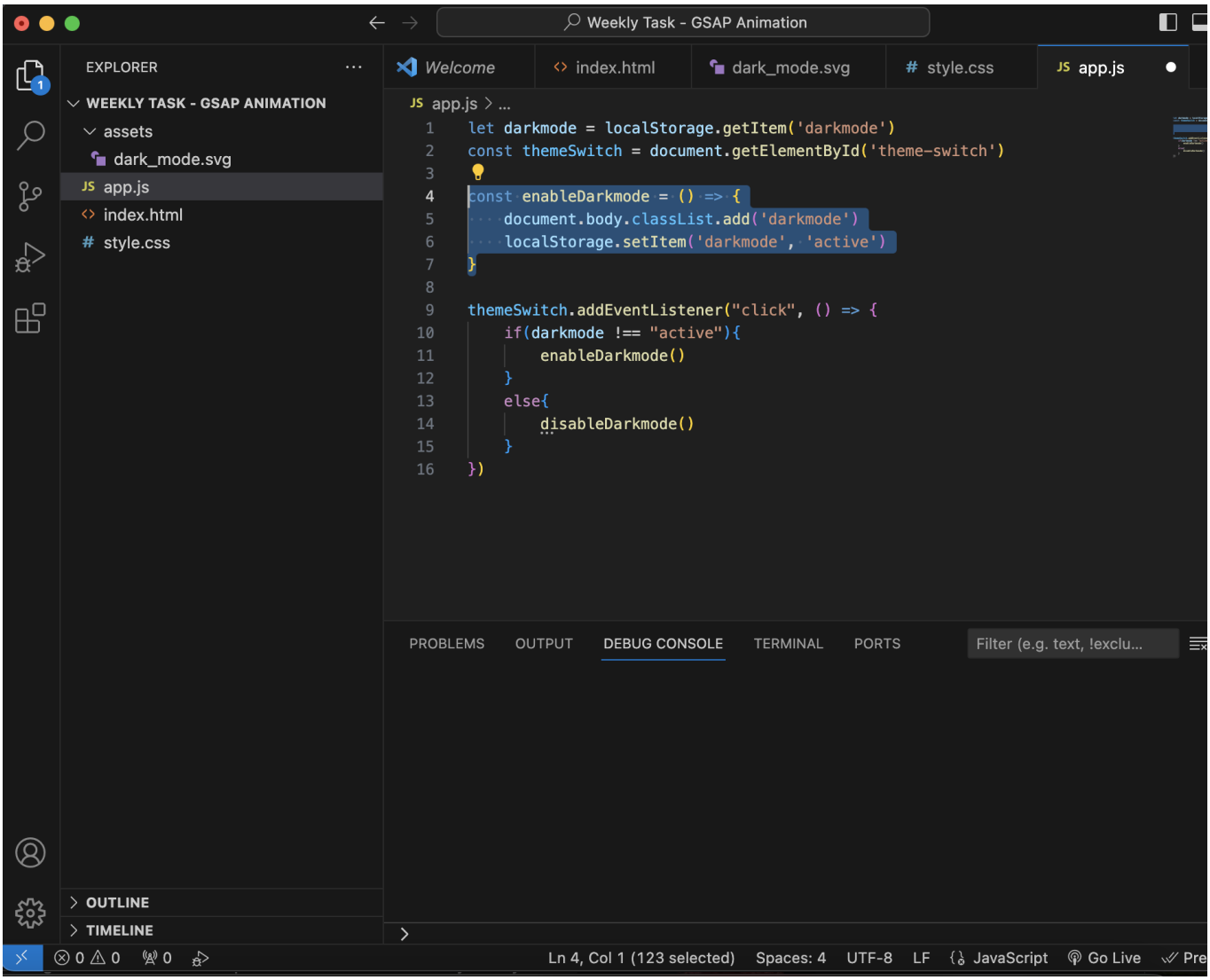
I can get manipuate my button through DOM by method getElementByID.

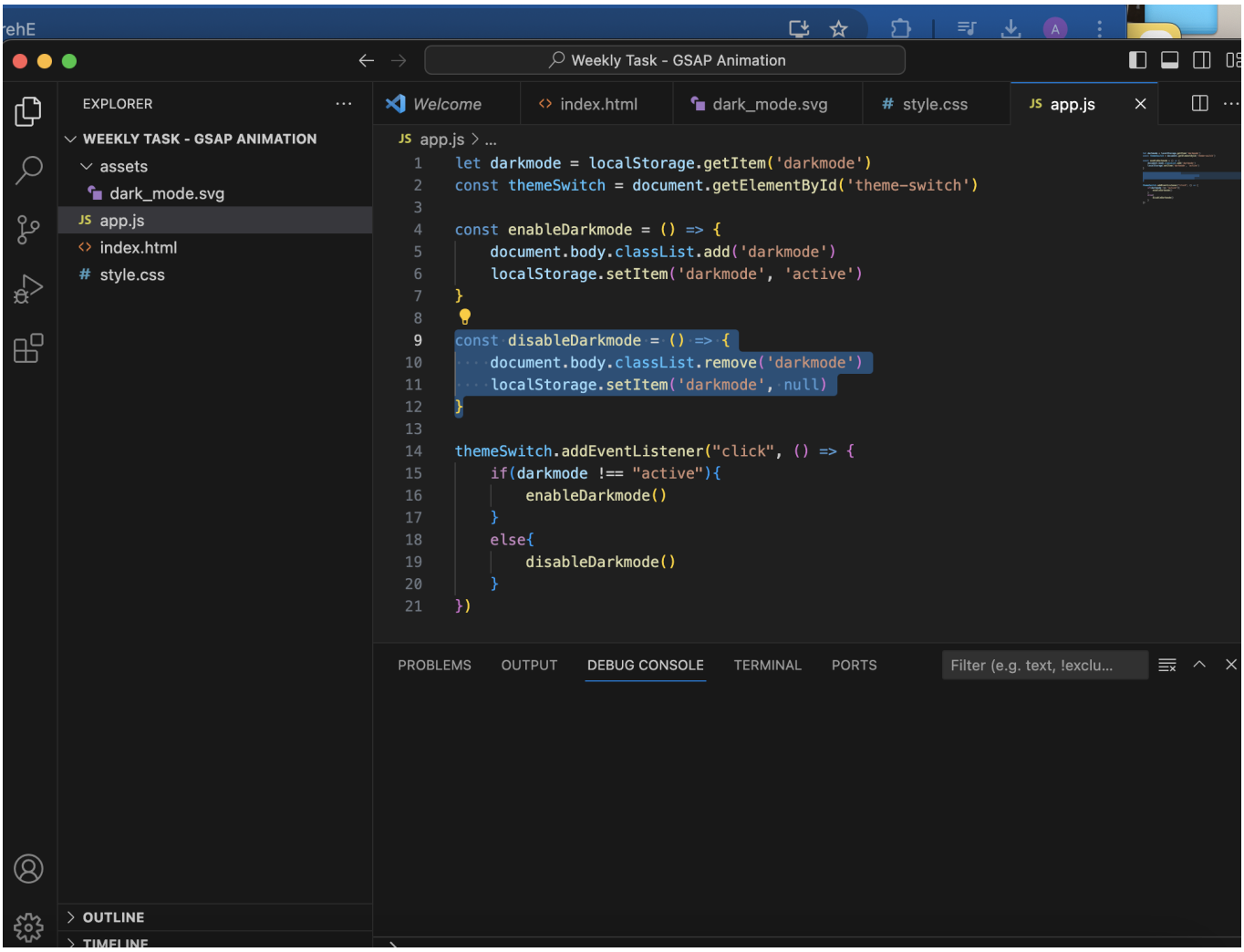
I add an event listener on click for my button, that will display dark or light mode button, and switch the themes accordingly.

First, I make an if statement condition to check if darkmode is active. If it is active, the function enableDarkmode will run, and if not it will reverse it, which will switch it back to light mode.



The enable Darkmode function will simply add darkmode class to the list of all classes, , and update the local storage.


Weekly Task - GSAP Animation
EXPLORER
WEEKLY TASK - GSAP ANIMATION
assets
dark_mode.svg
app.js
index.html
style.css
Welcome
index.html
dark_mode.svg
style.css
app.js
app.js > ...
let darkmode = localStorage.getItem('darkmode')
const themeSwitch = document.getElementById('theme-switch')
const enableDarkmode = () => {
document.body.classList.add('darkmode')
localStorage.setItem('darkmode', 'active')
}
themeSwitch.addEventListener("click", () => {
if(darkmode !== "active"){
enableDarkmode()
}
else{
disableDarkmode()
}
})
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Filter (e.g. text, !exclu...
OUTLINE
TIMELINE
Ln 4, Col 1 (123 selected)
Spaces: 4
UTF-8
LF
JavaScript
Go Live



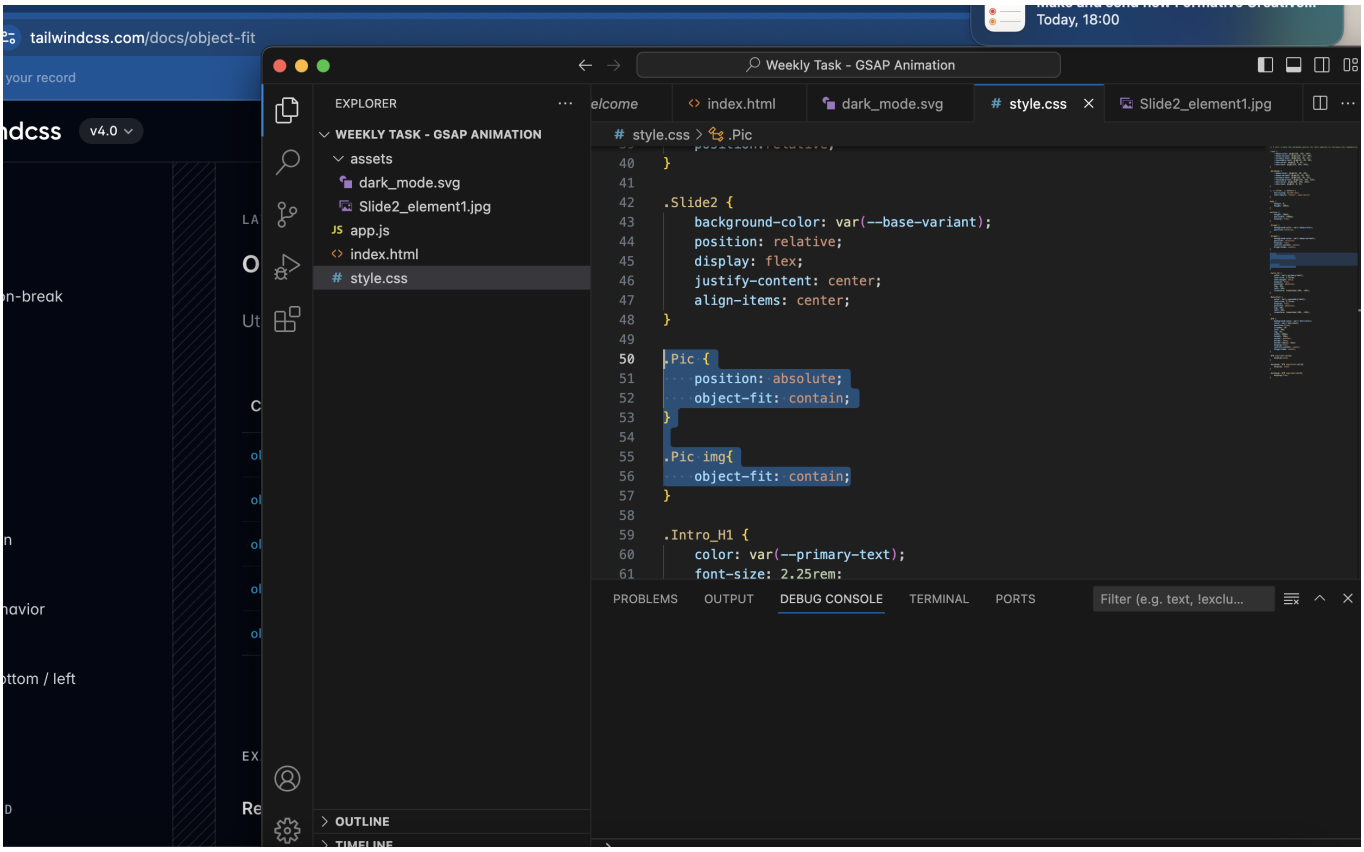
disableDarkmode does completely the opposite, it removes the darkmode class and also updates the localStorage.

One of the limitations of setItem method is that only strings can be stored in it, so instead of boolean type we have to store 'active'

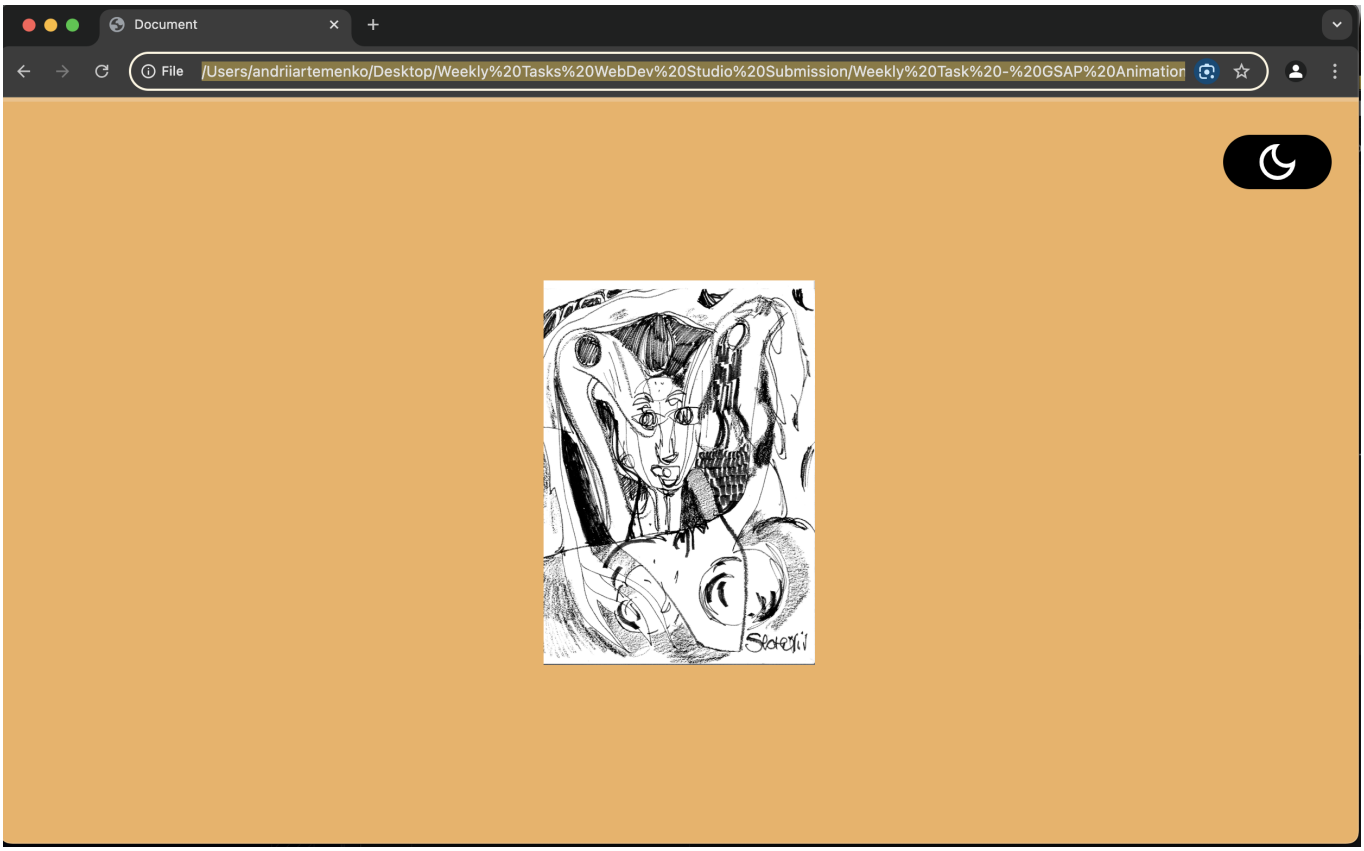
Further CSS Styling

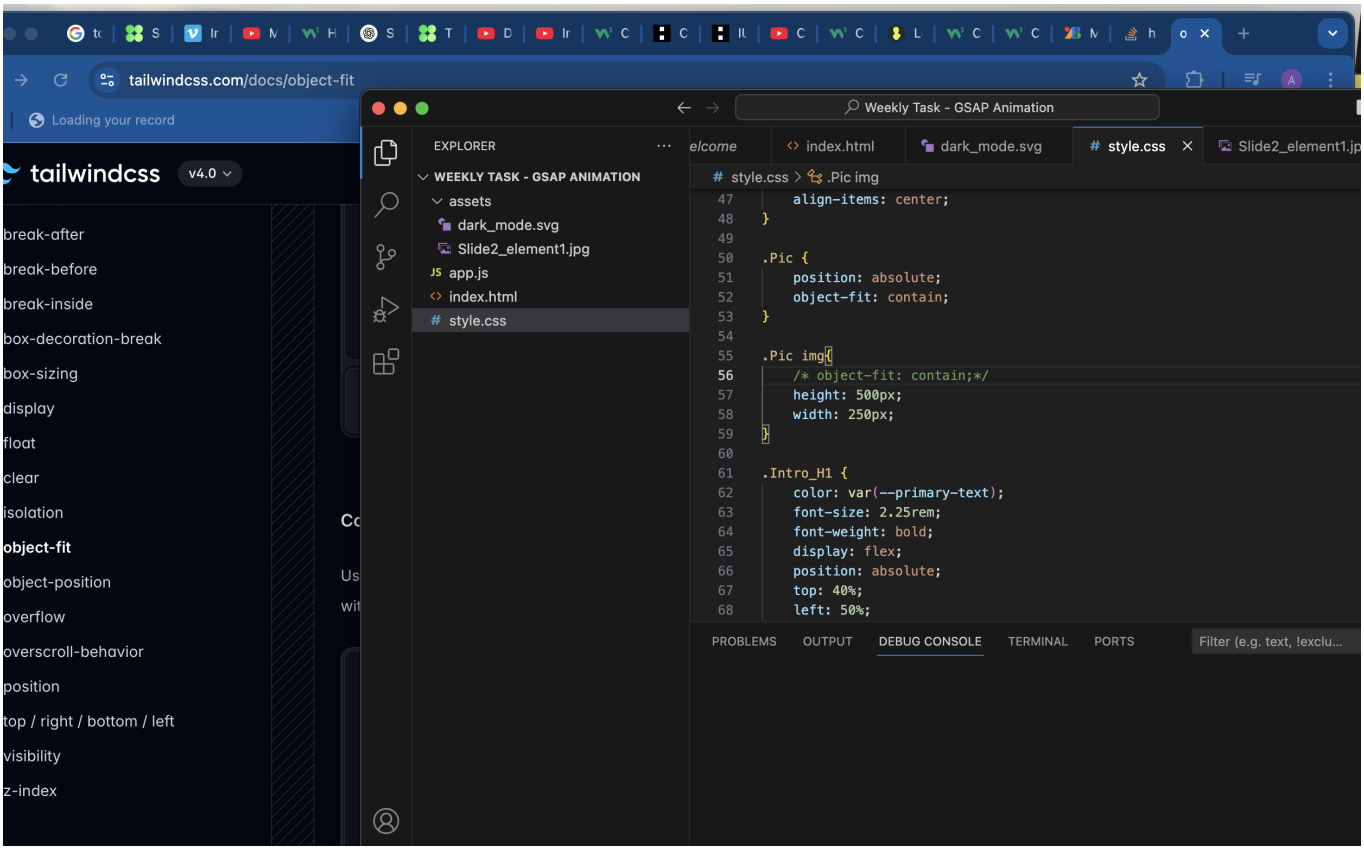
I will use previous knowledge gained in building CSS to construct a 4 column layout for each section of my website.

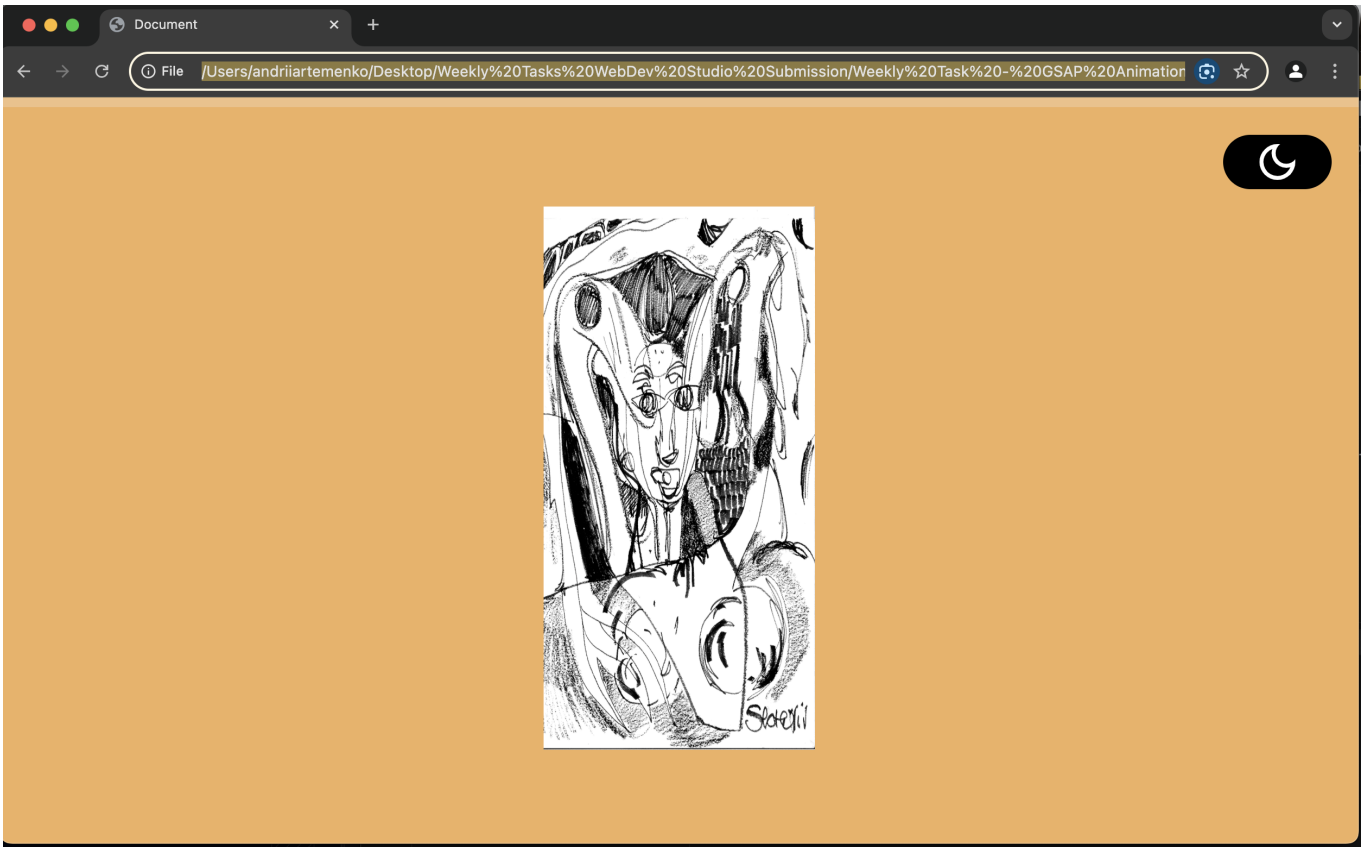
Firstly, I loaded some content to see how it looks and used CSS functions like object-fit, transform(), align-center etc. to position the elements in the right places



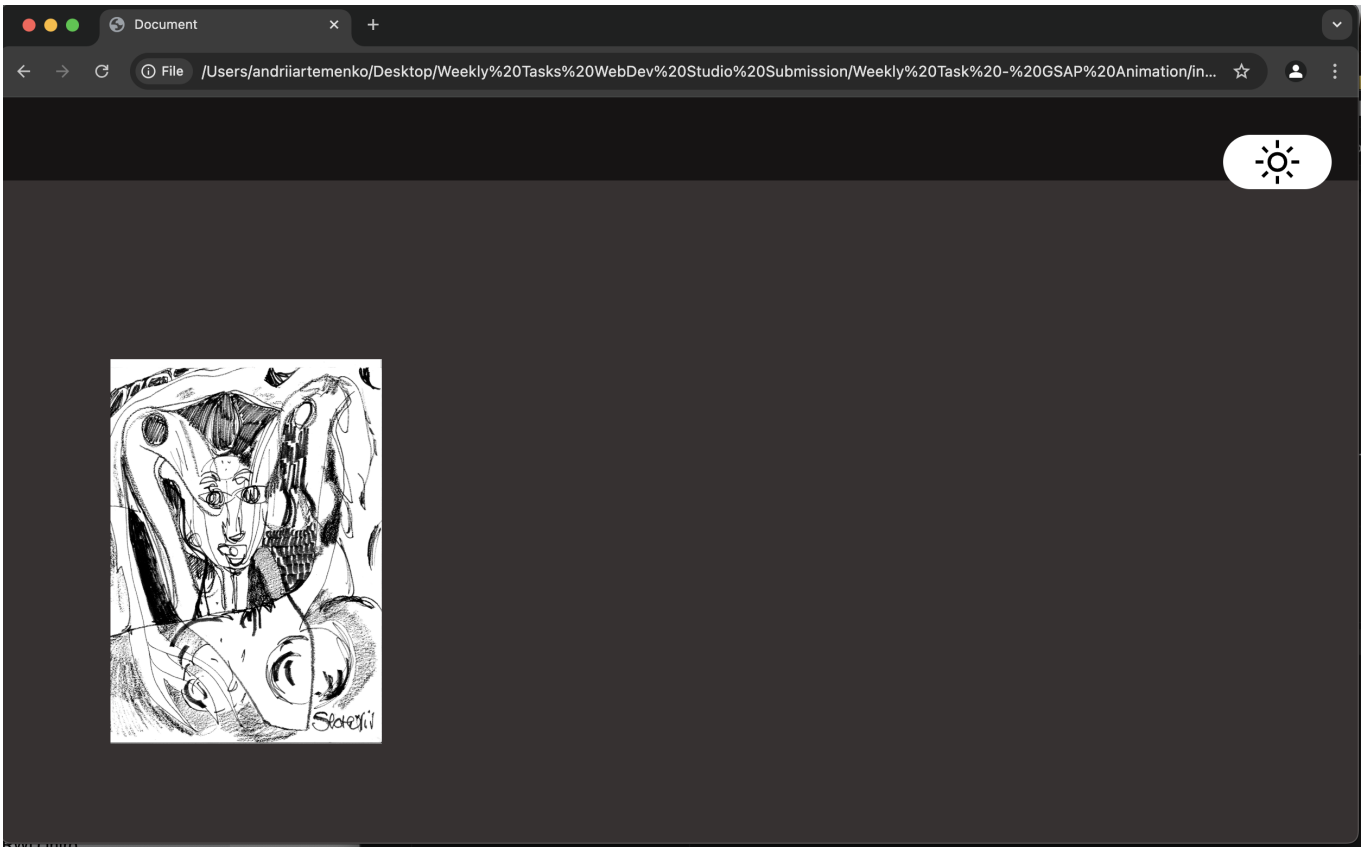
object-fit: contain; is important, because it helps to display the image nicely in a pic container



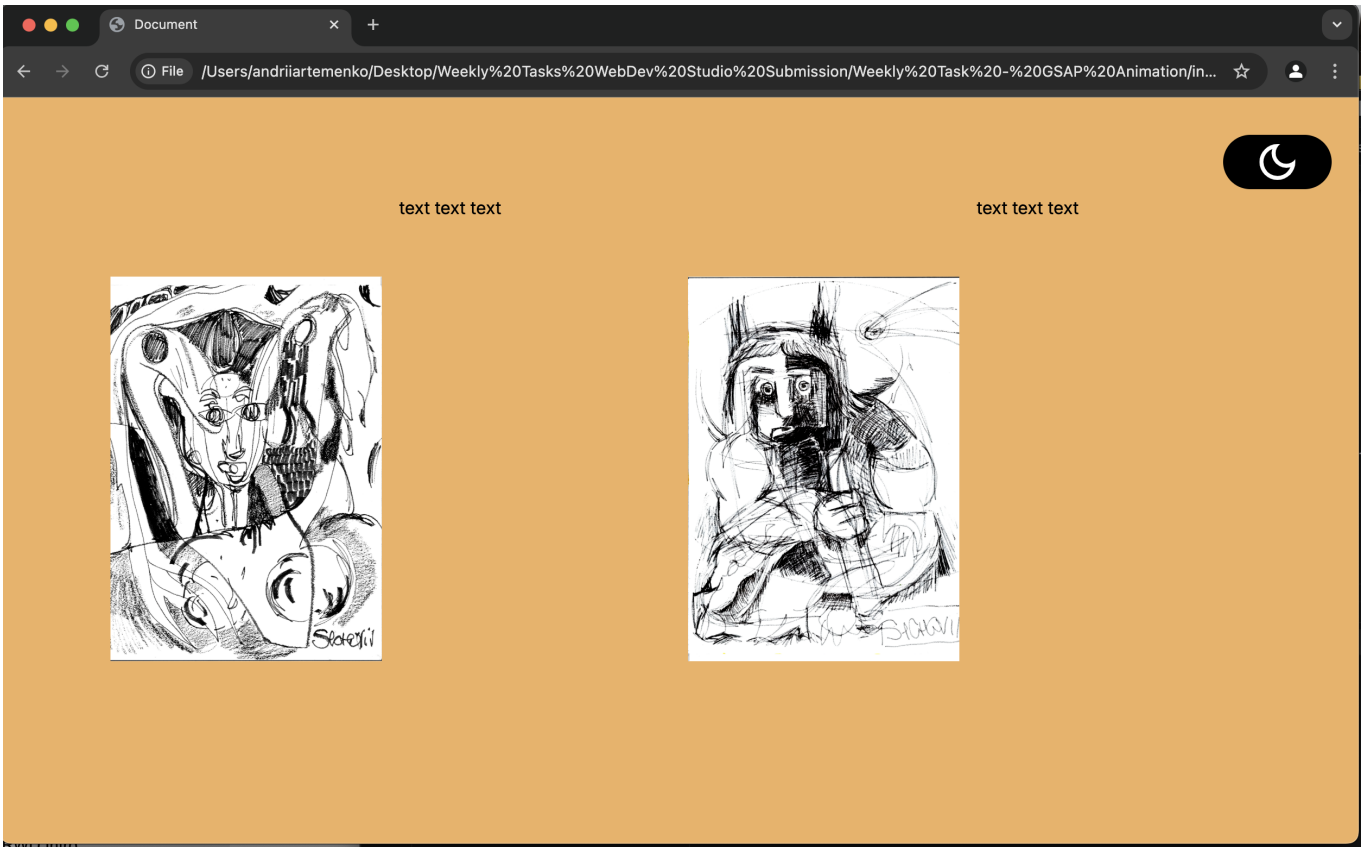


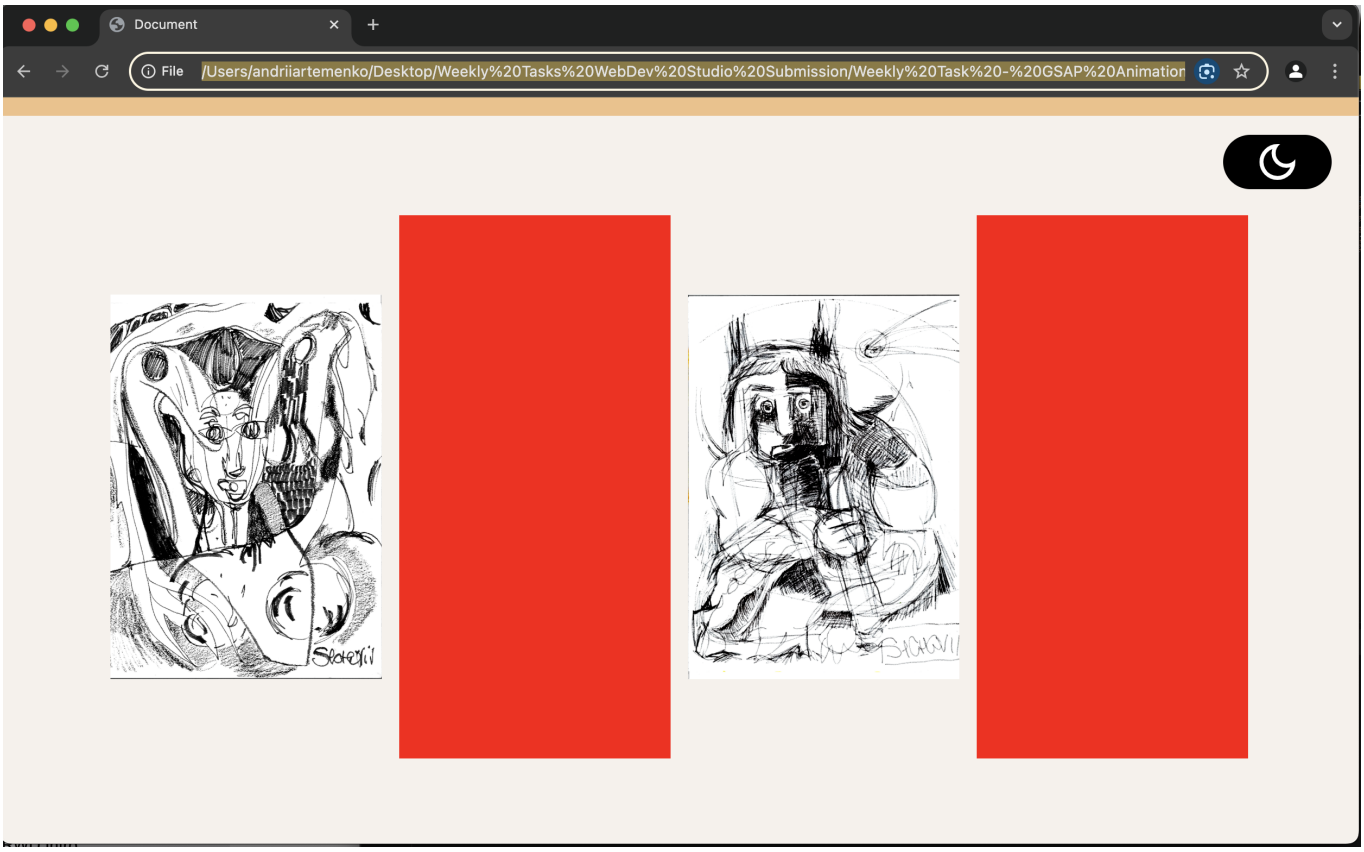


*Object-fit: contain commented out and image gets stretched instead of nicely fitting.

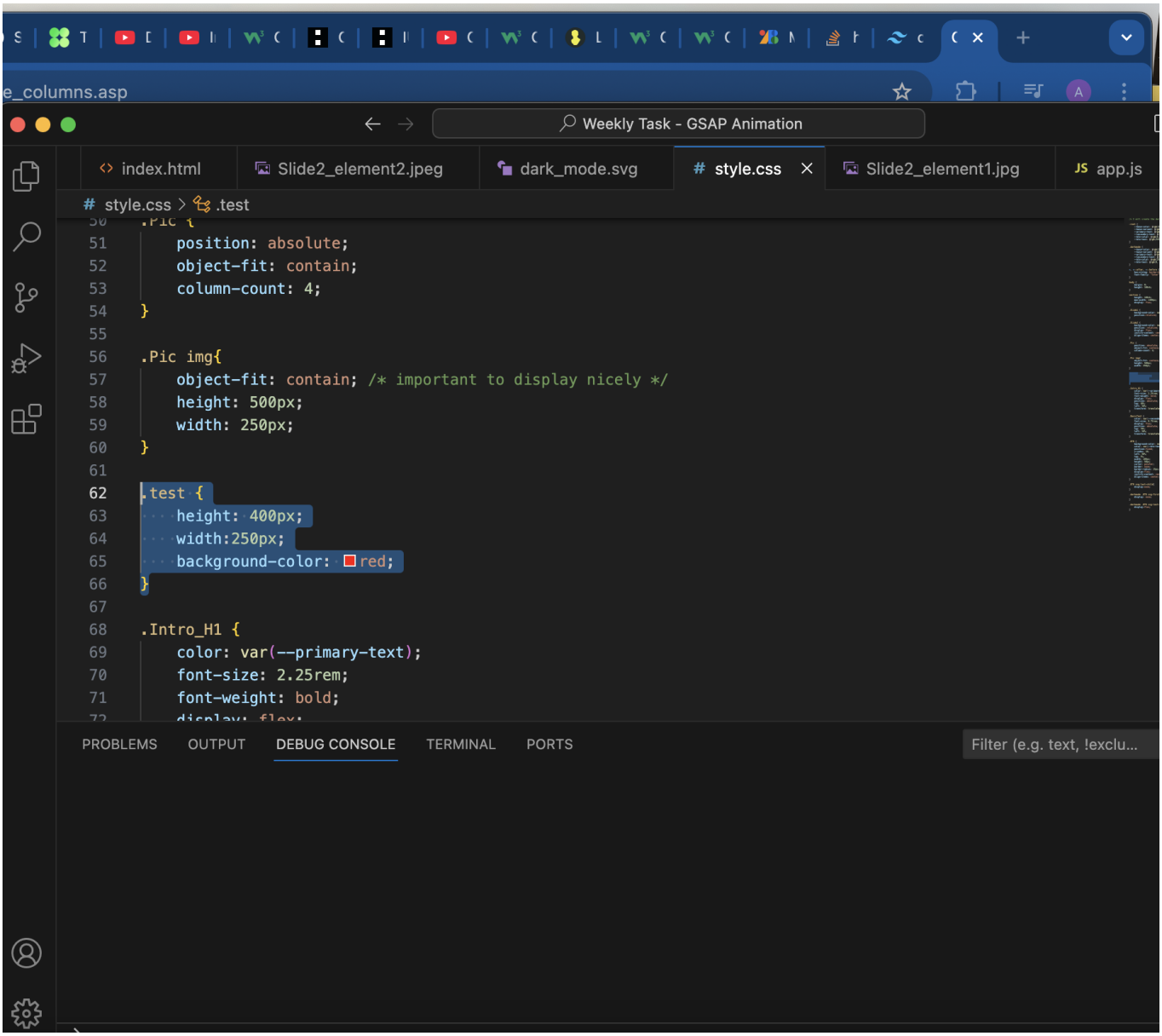


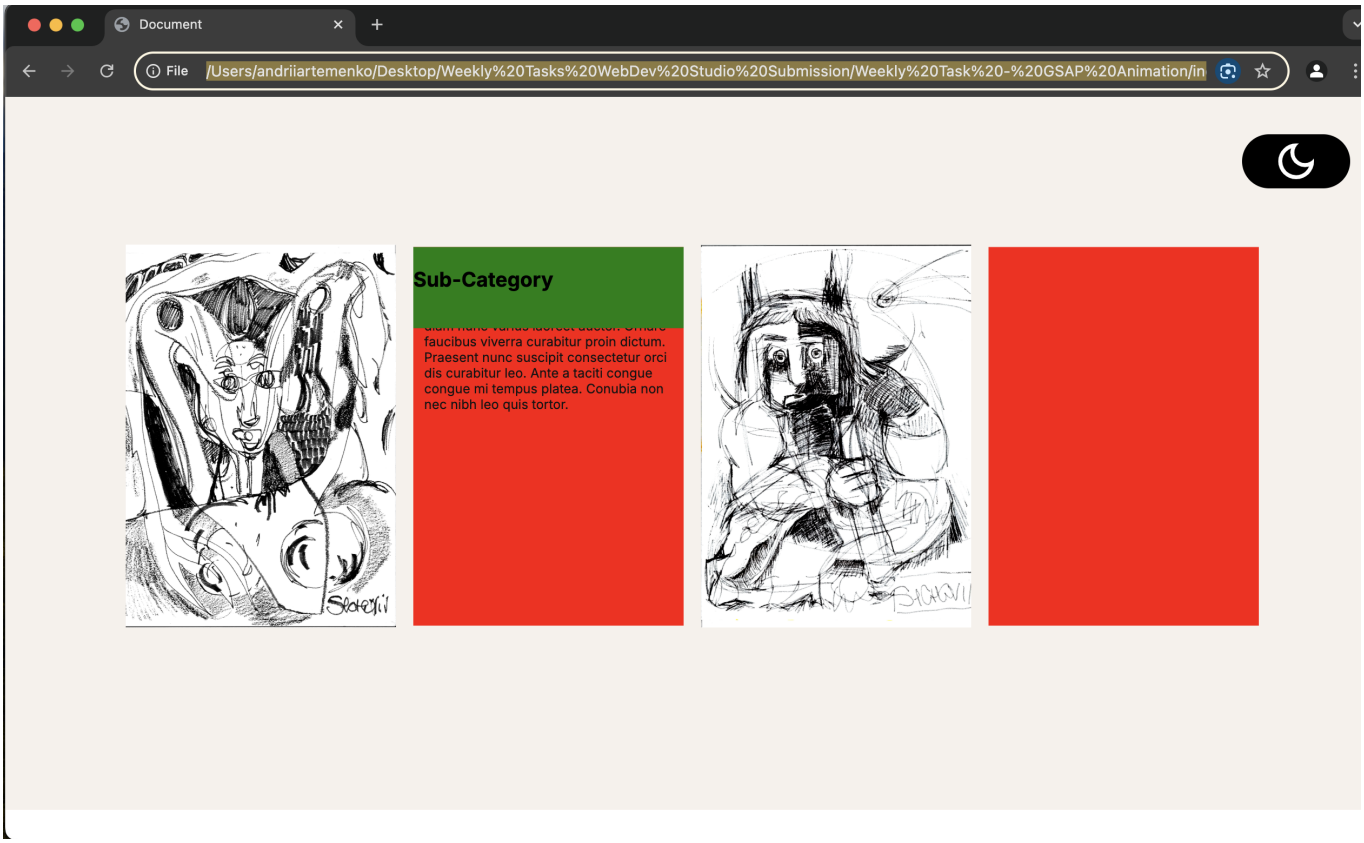
Using the 4 column layour here

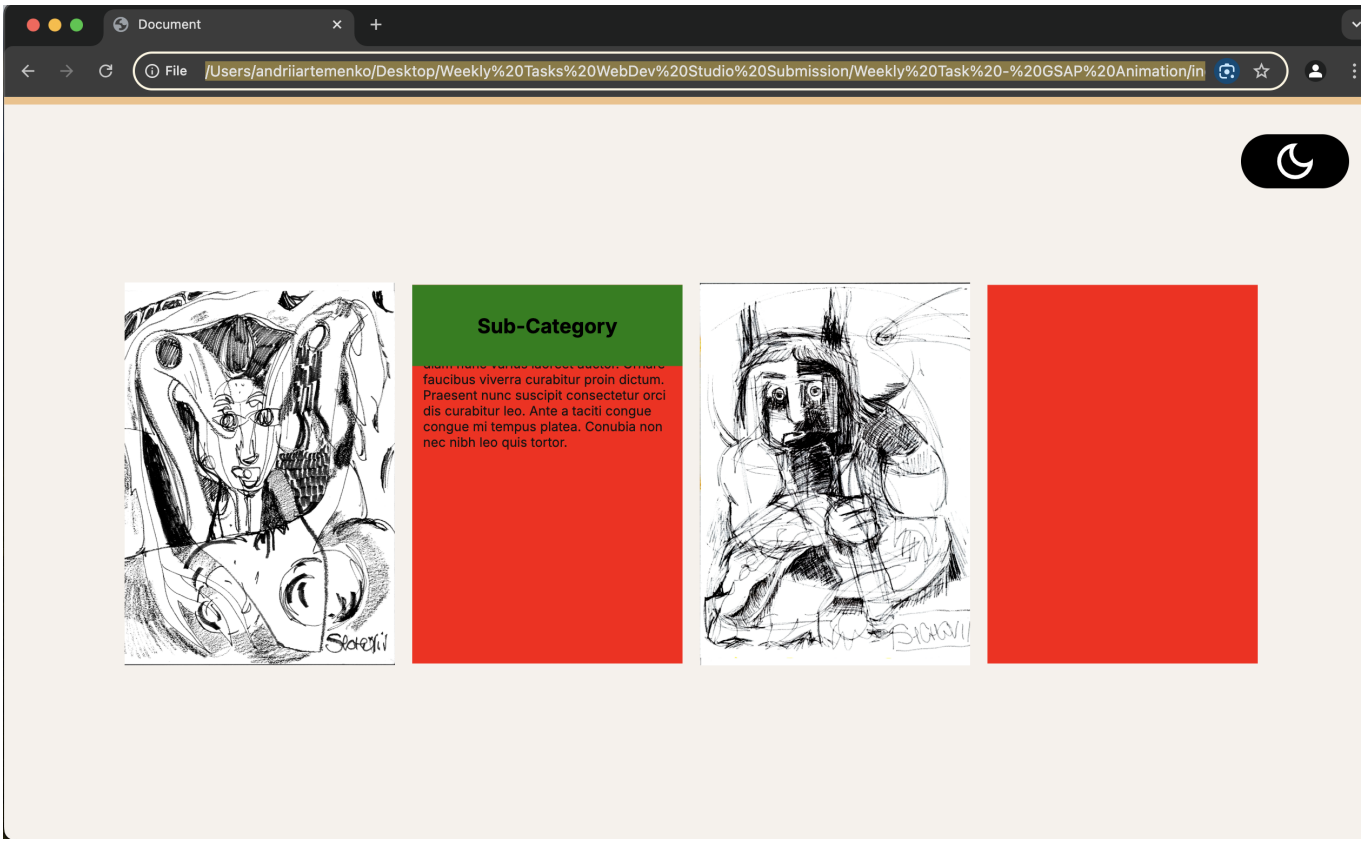




I have build div containers for my headings and text, and then i will build containers within this container to separate my header sub-title and paragraph.


e_columns.asp
Weekly Task - GSAP Animation
index.html
Slide2_element2.jpeg
dark_mode.svg
style.css
Slide2_element1.jpg
app.js
style.css > .test
51 position: absolute;
52 object-fit: contain;
53 column-count: 4;
54 }
56 .Pic img{
57 object-fit: contain; /* important to display nicely */
58 height: 500px;
59 width: 250px;
60 }
62 .test {
63 height: 400px;
64 width:250px;
65 background-color: red;
66 }
68 .Intro_H1 {
69 color: var(--primary-text);
70 font-size: 2.25rem;
71 font-weight: bold;
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Filter (e.g. text, !exclu...


Document
File
/Users/andriiartemenko/Desktop/Weekly%20Tasks%20WebDev%20Studio%20Submission/Weekly%20Task%20-%20GSAP%20Animation/in
Sub-Category
faucibus viverra curabitur proin dictum. Praesent nunc suscipit consectetur orci dis curabitur leo. Ante a taciti congue congue mi tempus platea. Conubia non nec nibh leo quis tortor.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/Users/andriiartemenko/Desktop/Weekly%20Tasks%20WebDev%20Studio%20Submission/Weekly%20Task%20-%20GSAP%20Animation/in
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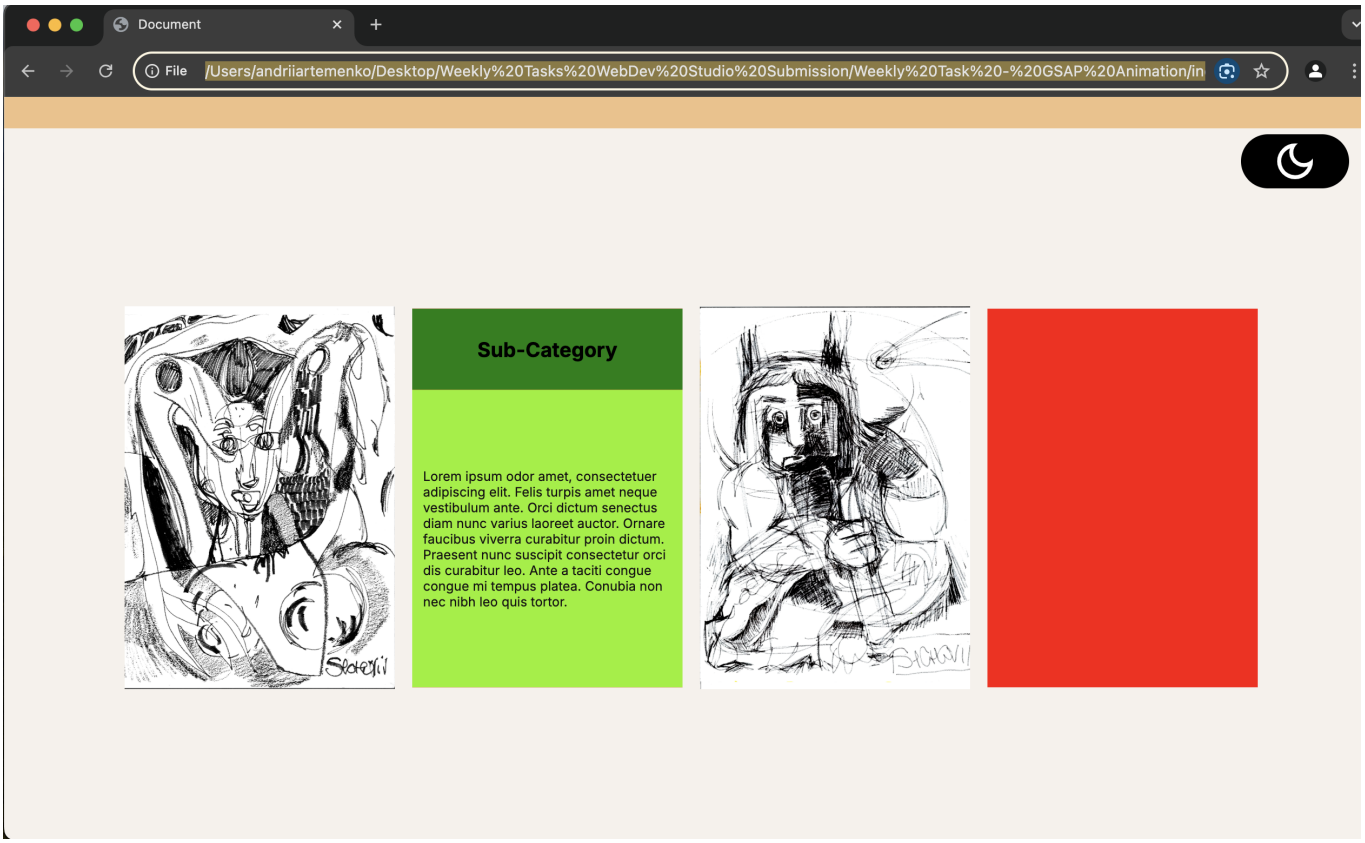
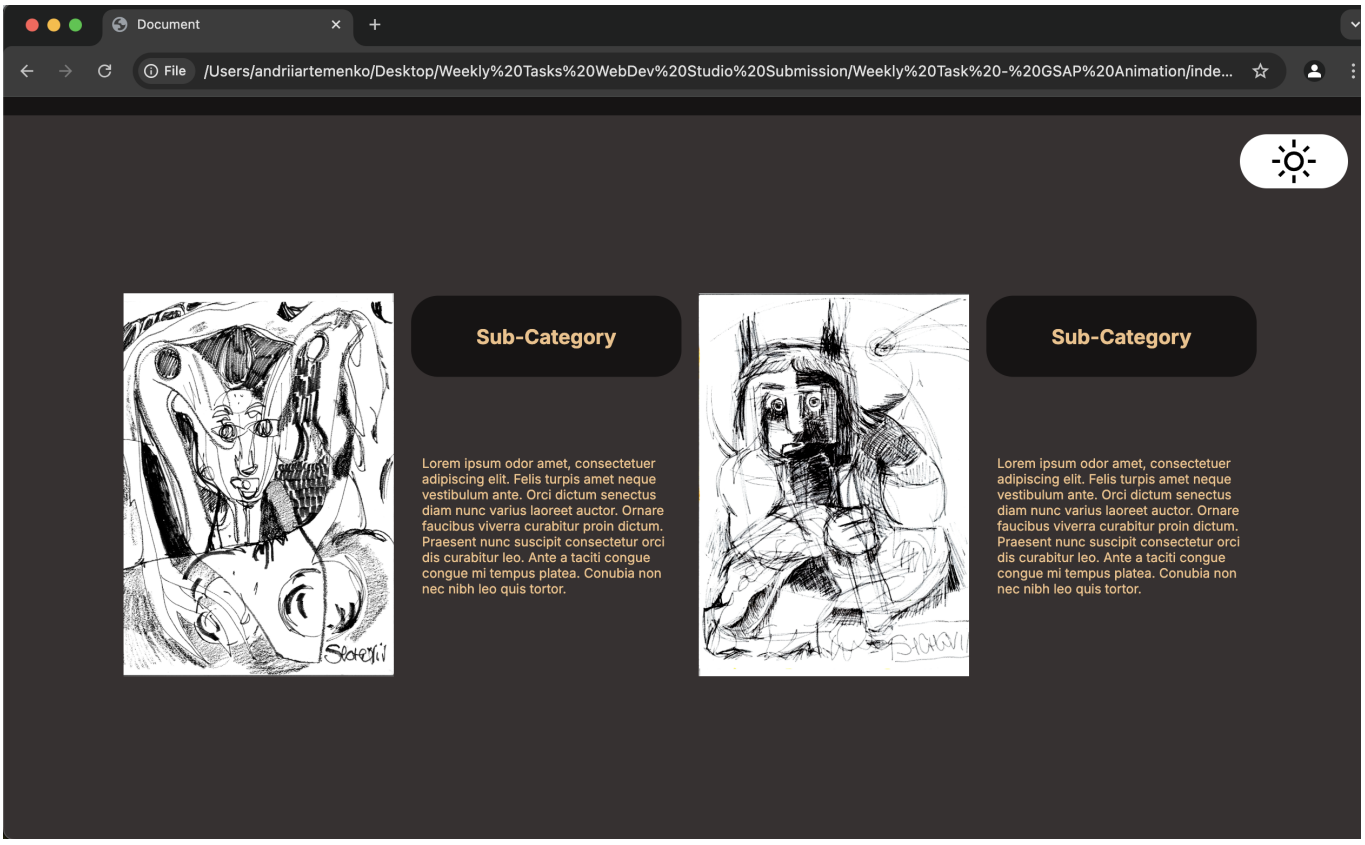

Document
File
/Users/andriiartemenko/Desktop/Weekly%20Tasks%20WebDev%20Studio%20Submission/Weekly%20Task%20-%20GSAP%20Animation/in
Sub-Category
Lorem ipsum odor amet, consectetuer adipiscing elit. Felis turpis amet neque vestibulum ante. Orci dictum senectus diam nunc varius laoreet auctor. Ornare faucibus viverra curabitur proin dictum. Praesent nunc suscipit consectetur orci dis curabitur leo. Ante a taciti congue congue mi tempus platea. Conubia non nec nibh leo quis tortor.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File
/Users/andriiartemenko/Desktop/Weekly%20Tasks%20WebDev%20Studio%20Submission/Weekly%20Task%20-%20GSAP%20Animation/inde...
Sub-Category
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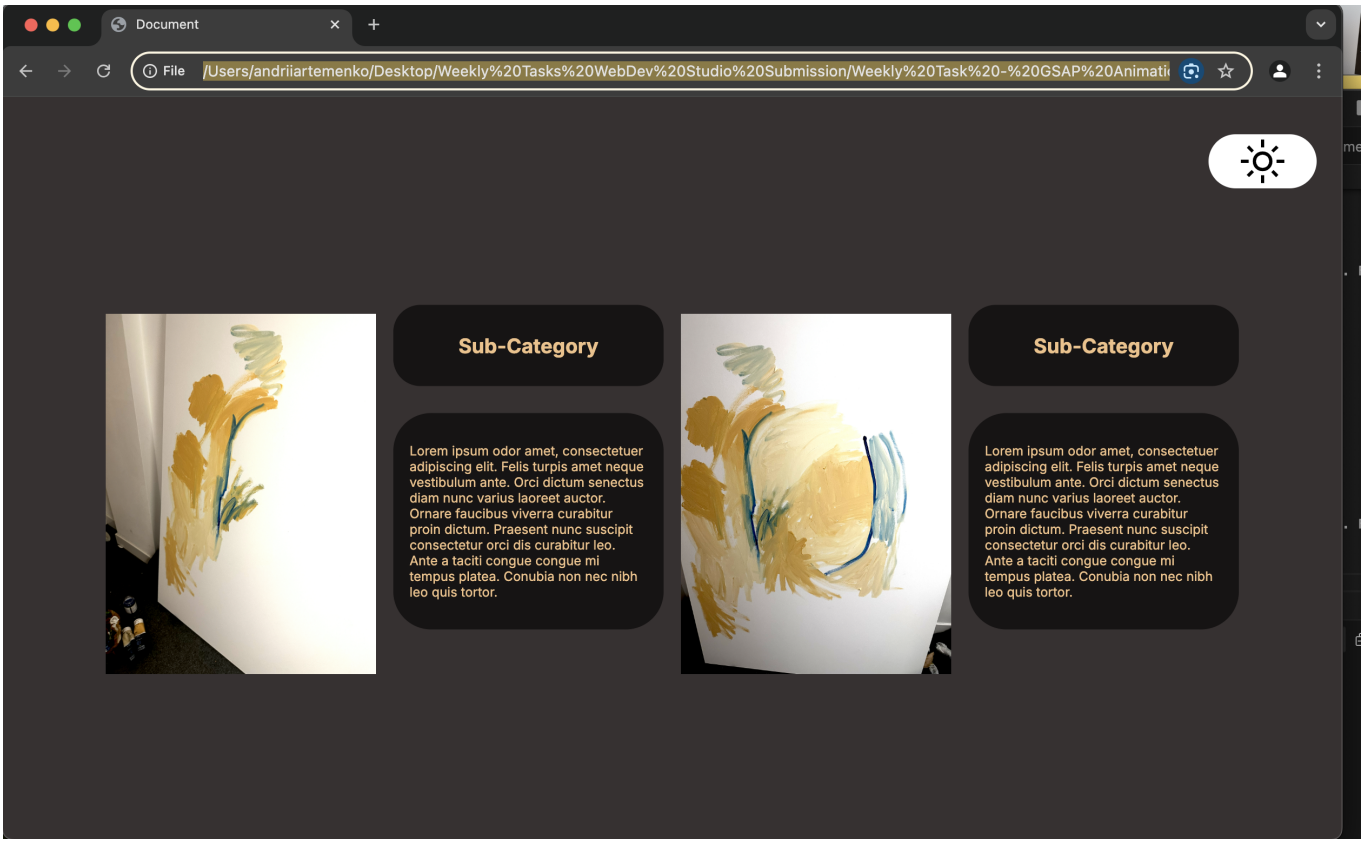
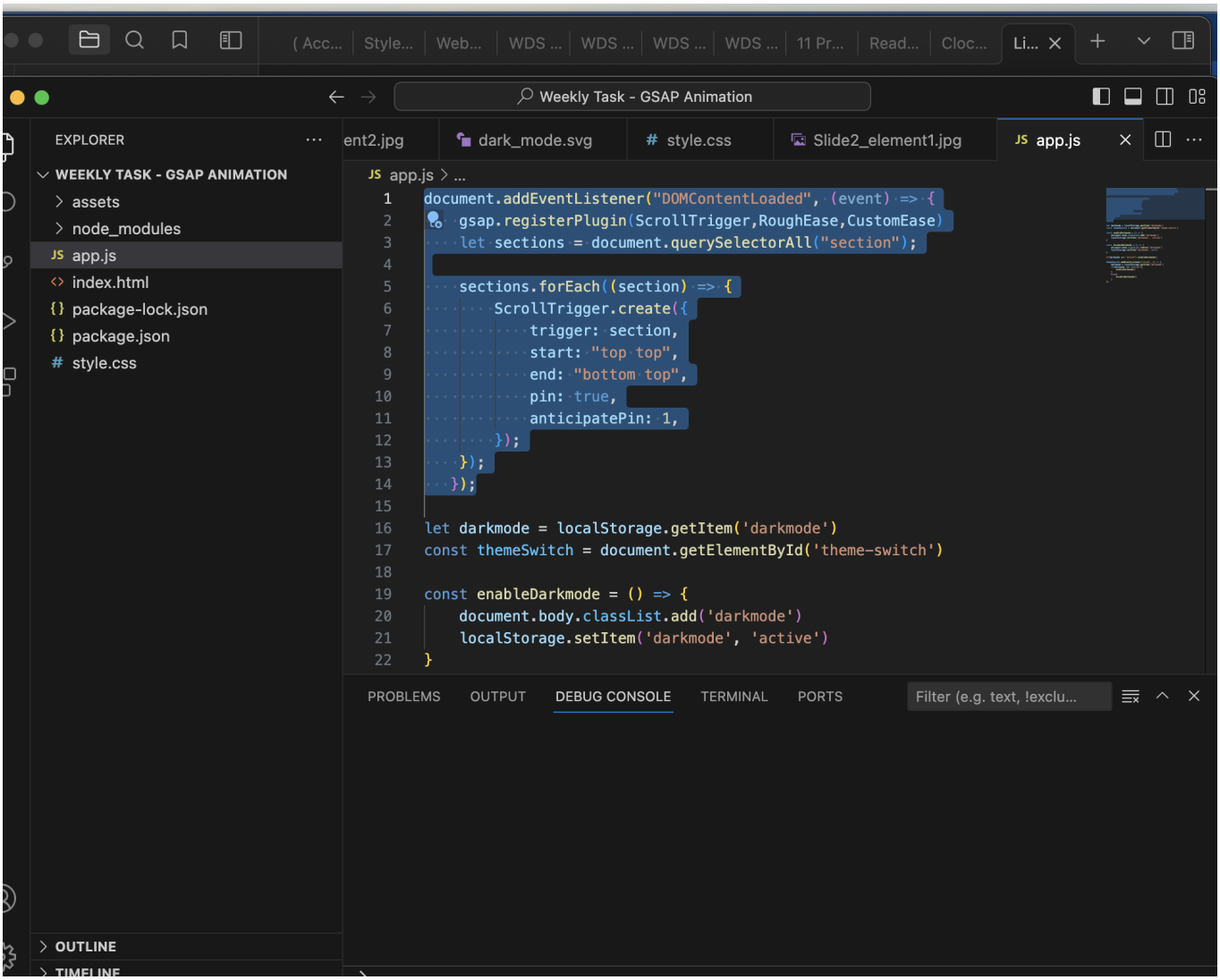
Sub-Category
Lorem ipsum odor amet, consectetuer adipiscing elit. Felis turpis amet neque vestibulum ante. Orci dictum senectus diam nunc varius laoreet auctor. Ornare faucibus viverra curabitur proin dictum. Praesent nunc suscipit consectetur orci dis curabitur leo. Ante a taciti congue congue mi tempus platea. Conubia non nec nibh leo quis tortor.



I have then imported GSAP library, specifically scroll trigger for the main part, and built a simple js scrolltrigger effect, that pins the section to the top and only scrolls down after a certain period of time. GSAP has extensive documentation so it has been really easy to build this gsap scroll animation. however, when I tried to organise it into a timeline, to run the text on lside 1 drop animation, it would disable even the working of other javascript code that is needed for theme switch, so I decided to just do the scroll trigger effect (ScrollTrigger, n.d.)



Lift of References:

1. Coding2GO (2024) 'Create a Dark Mode Switch with HTML, CSS, JavaScript', *YouTube video*, 5 August. Available at: https://www.youtube.com/watch?v=_gKEUYarehE (Accessed: 4 February 2025)
2. Greensock. (n.d.). *ScrollTrigger*. Retrieved from https://greensock.com/docs/v3/Plugins/ScrollTrigger