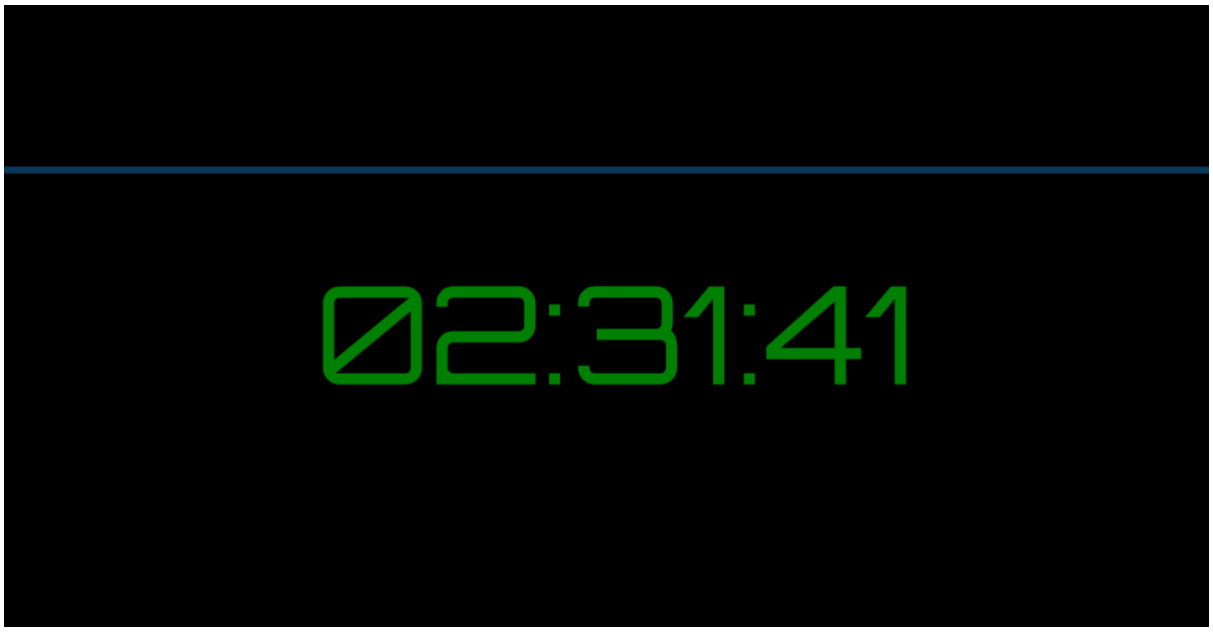
Challenge II

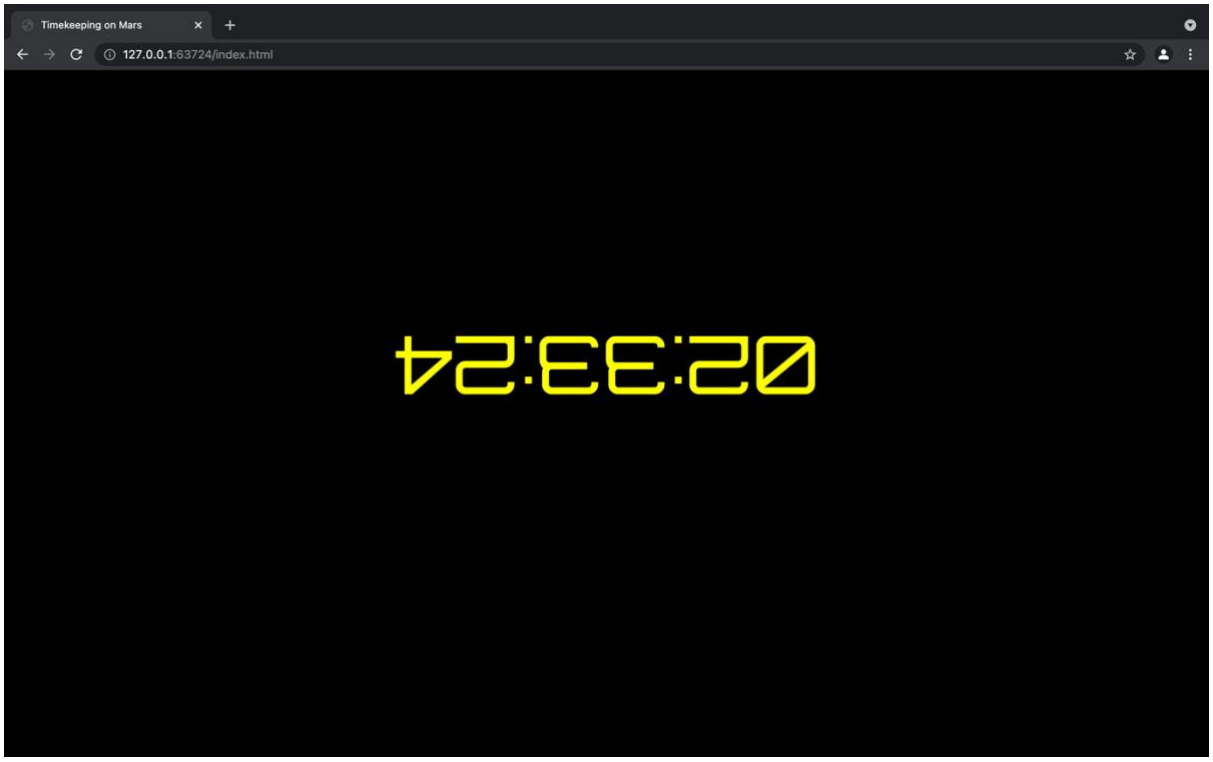
Topic – Over the next couple of weeks we dove into learning about the date object, and we focused even more on how we can manipulate DOM using javaScript. Moreover, we came to know how animations are created in CSS using transitions, and how they can be triggered through javaScript by manipulating the HTML id or class.
We also got to learn about @keyFrames and how an animation can be built with it by defining different stages of said animation.

Assignment – This challenge was about creating a clock for the people in the Mars Dome that wanted to have some sort of update from "home". Now, a very important criteria was to make the clock digital, so Elon would not go crazy and smash everything and everyone in the Mars Dome. Other, less important criteria were to make it interactive, have it show the accurate time and animate it

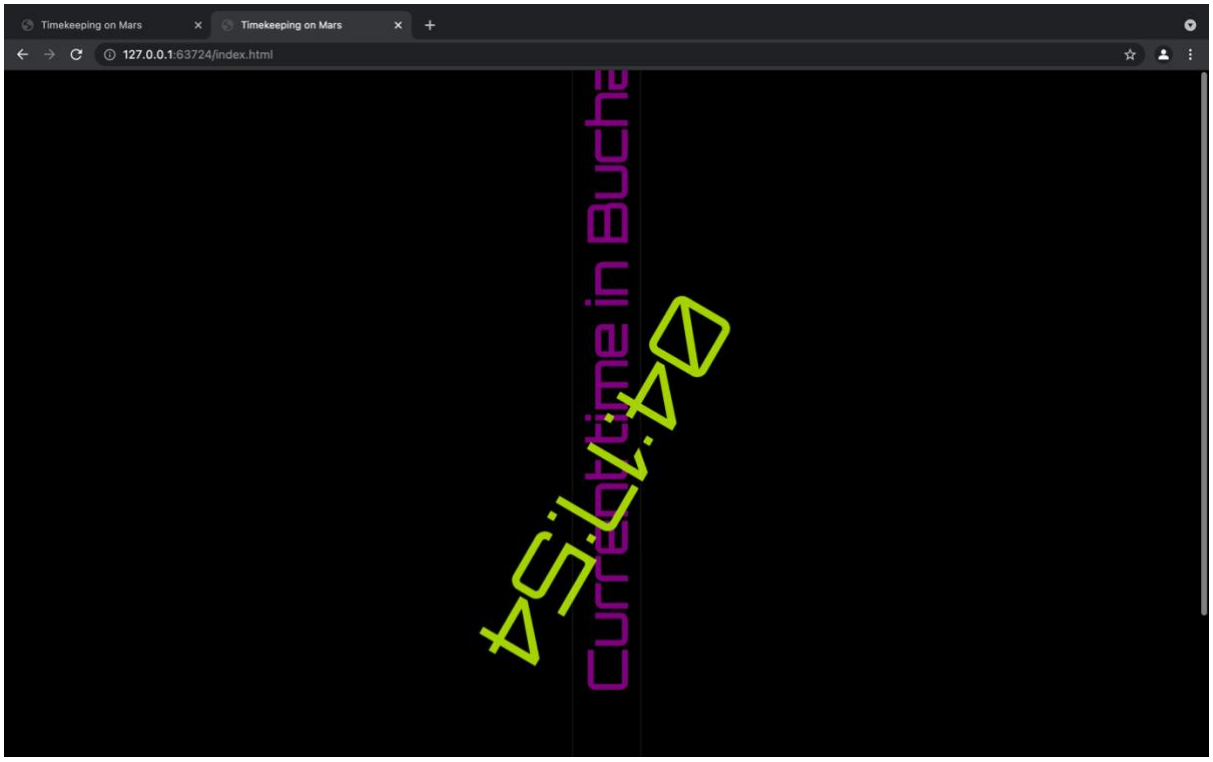
I started by creating a simple digital clock, with a different for each part – hour, minute and second, thinking I would use it later – spoiler, I did not. I then used a combination between the recordings from class and a couple guides I found online to get the clock to work, and once that was successful, I started playing around with the clock, and discovered a very useful javaScript 'command', which is classList.toggle. That allowed me to rotate the clock back and forth using the onclick command without needing an if/else, while still using the method learned in class, of changing the classname to trigger an animation. Next, I used the @keyFrames together with animation attribute in css to play with the color of the title, and I was done before I knew it.



Getting the clock to work

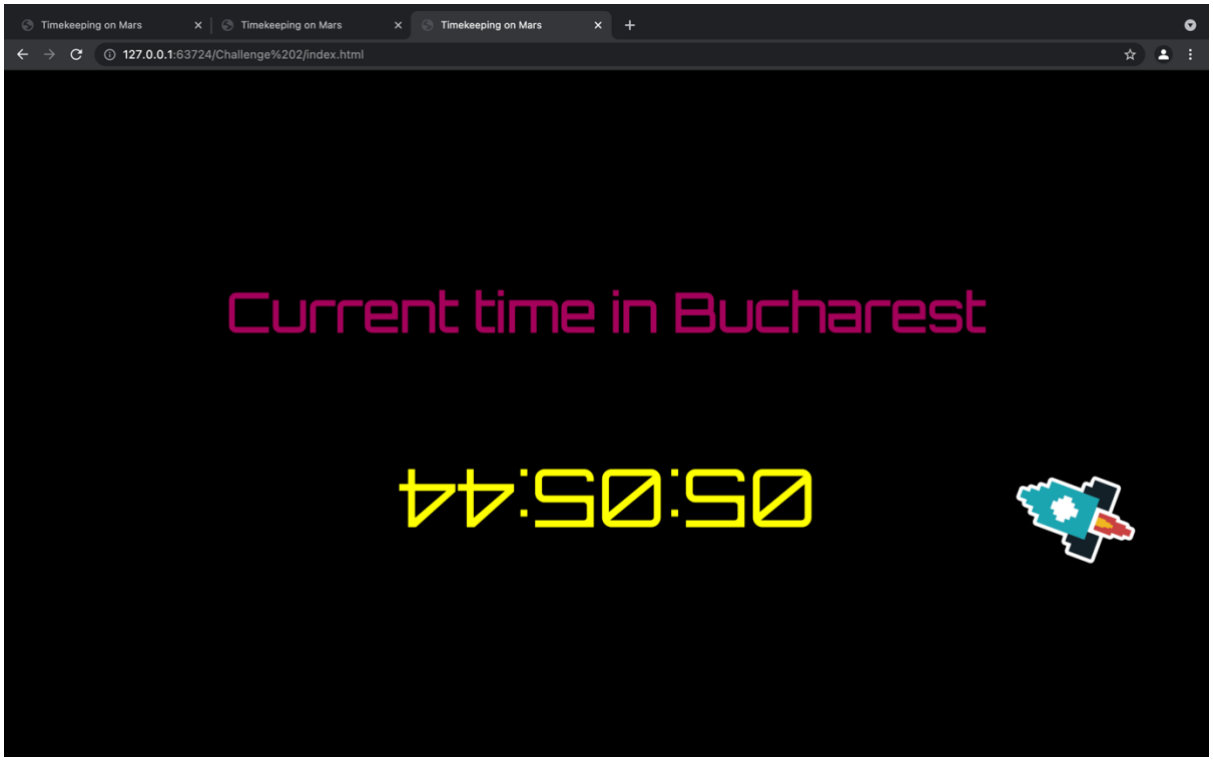


Making it rotate when clicked on



Adding the heading, making it change color when spacebar is pressed, and also rotate.

Afterwards I decided to just let the color change, and remove rotation to not overcrowd it



I still felt that something was missing, so I took the rocket from the previous challenge and made it float around the screen