Learning Goal: time management & learn to create data visualization with svg & d3.js

Task: create interactive web based visualization to visualize your average week.
(1) Create a html page named **myWeeklySchedule.html** (10pt)
(2) Include d3.js library to the page. (10pt)
(3) Define at least 6 categories of activities (i.e. sleep, class, travel, eat, study, exercise…) (20pt)
Sketch your schedule for the entire week, which represents your average week. The definition of your activity categories have to be shown on the html page. The hours of the activities that you wish to increase or decrease have to be highlighted.

For example:
S: 1 gym, 2 chore, 8 research, 6 eat+social, 1 in-transit, 6 sleep
M: 2 meeting, 3 class, 8 research, 1 tennis, 1 eat, 1 social, 1 in-transit, 7 sleep
T: 5 meeting, 6 research, 2 class, 2 eat, 1 in-transit, 7 sleep
W: 4 meeting, 4 class, 8 research, 1 eat, 1 in-transit, 6 sleep
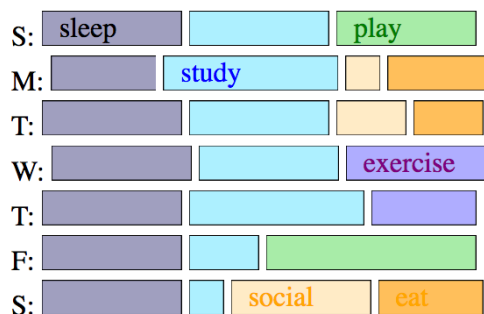T: 8 research, 2 class, 2 tennis, 2 eat, 1.5 social, 1.5 in-transit, 7 sleep
F: 2 meeting, 3 class, 6 research, 4 eat+social, 2 in-transit, 7 sleep
S: 1 gym, 2 chore, 2 research, 1 twitter, 2 tv, 6 eat+social, 2 in-transit, 8 sleep

(4) Minimally, you need to use **rectangle svg shapes** proportionally compose your weekly schedule (*hint: you need to proportionally scale the hours/activity in svg width and height in order to visualize it*). Here's one example of schedule visualization in all rectangle svg shapes. Color has to be indicated with corresponding activity. (45pt)

For example:
Sleep (grey); study (blue): play (green); exercise (purple); social(yellow); eat (orange)

(5) Statistics: Display the average hours of each activity in barchart on the page. (15pt)
(6) Creativity: any variations other than the example provided (i.e. different svg shapes arrangements; interactions…) (5pt)

Hint: Explore https://github.com/d3/d3/wiki/Gallery   You may use any of the open source to visualize your schedule.

Submission:
1. *Zip all your source codes in one. File should be named as*
   YourFirstName_LastName_Assignment2
2. Due on **2021/10/26 (Tuesday) 10am**.
3. Submit it via Camino.