CART 351 FALL 2022

EXERCISE 2: POSTED OCTOBER 5th 2022

DUE: **OCTOBER 26th 2022 (3 weeks) ** because of the break pn the 19th **

Record: for 4 days record some daily activity or behaviour
(think of multiple attributes this behaviour could have):
For example (please do not use this ex):

On a daily basis you walk your dog – so for 4 days, you *could* record the following:

- how many times,
- for how long,
- when,
- where do you go,
- how do you feel,
- how does your dog feel?
- …

Model this data as a JSON object (should be an array of objects (1 for each day) and save in a .json file)

Build an HTML page (using JQUERY) allowing a user to input search criteria based on your data (i.e. day). The page should also contain a submit button. (Pay attention to layout, user interface …)

Use the $.getJSON() function to retrieve the JSON object (from step 2) once the user has finished inputting the search criteria, and clicked on the submit button.

Filter the data according to the user input (using the **JavaScript *filter ()* function**) and output the results to the html page (**using JQuery**) – once the data has been received. **The output must be visually interesting, thoughtful, and meaningful – even unconventional. The output need NOT be text nor need it be a list nor need it be contained in a box.**

**** You will NOT receive a full pass if you only output the raw results to the screen … ***

Submit:

- Put the html page online (linked from your class web page) by the due date and submit the URL on Moodle. You may use the book example and/or the shape example from Week 5 as a starting guide **only.**

- *Additionally* – please make a zip archive of the entire working project and include it as a link available to download on your website.