**CS20 Web Programming  
Assignment 7: Parsing JSON**

**Task 1: Read a JSON from a file**

Using the JSON you created in products1.html (from the previous assignment), **create a file called products.json**.  It should ONLY have the JSON – you may not have any variable assignments in this file.

**Create a file called products2.html**

At the beginning of products2.html, read the data from products.json using $.get and store as a JSON object.

Display the JSON object on the page in a <div> section (hint use the innerHTML property). Add HTML markup to the display plus CSS to make it look good.

*Example output* –feel free to add more styling:

**Vintage T-shirt**

Tie-die Grateful Dead T-shirt

Price: $35

Categories: clothing, vintage

**Task 2: Filter the data**

**Create a file called products3.html** copied from products2.html**.**

In this file. create a button labelled “Filter” plus a drop-down box (<select>) listing the possible categories. The categories MUST BE read from the JSON data (it must NOT be hard-coded).

When the user clicks the "filter" button, display the name of products that match the selected category within a div on the page. Do not display any other data for each product.

Use JQuery as much as possible for this part. For example. use it to read the form elements, to assign the event handler, and to write to the page.

## Rubric

Task 1: 40 points

Task 2: 50 points

All deliverables provided – 10 points

**Deliverable Worksheet:**

* All code files uploaded to canvas (json/html/css) – you may use a zip file
* URL of products2.html online https://oliverz.sgedu.site/homework7/products2.html
* URL of products3.html online https://oliverz.sgedu.site/homework7/products3.html
* Answer to question: What was the most interesting part of this assignment?

The most interesting part was thinking about how to do the filtering, and how useful of a feature using JSON files can be, as they provide an easy way for site owners that don’t understand code to change site elements.