ISTE252 – Foundations of Mobile Design
Lab 1: Data on the Web – JSON

Objective: Gain a solid understanding of the JSON data format and how to convert paper forms into a JSON data template.

Directions: Build a JSON object that imitates an inventory of items:

Some ideas for an inventory of items include, but are not limited to:
1. Kitchen Pantry
2. Home Furnishings
3. CD/Album inventory (non-electronic music)
4. Consignment Store
5. Chinese Restaurant Lunch Menu
6. Tools (home workbench)
7. Dogs and Cats at a shelter
8. Trees in an arboretum

Keep this file relatively simple; we will use it throughout the course in various lab assignments.

Your JSON file should contain the following:
- At least 10 items of inventory
- At least 5 key value pairs
    - At least one of the number value
    - At least one character string of ~~less~~ more than 20 characters
    - At least one image (a file name for an image)

Find 10 images that match your data and store them in a folder called "img".
- Image format must be png
- Images must be relatively small - 300 px by 300 px max
    - We will practice making smaller images in this class this week.

Lab Grading Rubric
The point value for each item is shown to the right of the item, for a total of 10 points
1. The name of the JSON object is 'inventory' (1)
2. Each object in the inventory array object contains items as described above (2)
3. At least 10 objects in the inventory array object (2)
4. The JSON object validates (1)
5. You have 10 images in a folder named "img" (2)
6. Your JSON file is called "inventory.json" (1)
7. Your JSON file and your img folder is zipped together and dropped in the drop box for Lab1 on MyCourses (1)