**CS 20 Web Programming  
Assignment 9: JSON Song List**

## Deliverables

## PDF file with a listing of the code and URL of the file working online

## Objectives

Practice with JSON and Javascript

## Tasks

**Part 1: Create a JSON**

Your assignment is to create a JSON to represent a setlist for a cover band. Each entry should have space to describe the artist(s), title, music genre(s), and year the song was released.

Note: The JSON object you create should allow each song to have multiple genre's

You must include at least 10 songs. The data must be real. *You may reuse the data from the XML assignment.* You must have songs from at least 3 genres (genre could be country, rock, pop, metal, ska, etc)

The JSON must be in its own file.

**Part 2: Serialize and display**

Display all data on page (serialized) as a raw string

**Part 3: User friendly display**

Display all data in a user-friendly format in a table or something similar to this:

Who Loves You

Artist: The Four Seasons

Genre: rock, disco

Released 1975

**Part 4: Filter the data**

Create a form that allows the user to pick a genre. The form should have a drop down box (<select>) listing the possible genres plus a button labeled "Filter". You must provide a choice of only the genres that are in the set list.

When the user clicks the button, display only song titles from the selected genre in a user friendly format.

*Note: All items MUST be displayed on the page - not in an "alert"*

## Questions

## Which do you prefer: XML or JSON? And why?

## Rubric

All deliverables provided – 10 points

All parts of the assignment completed – 60 points

Quality of code – 15 points

Creativity/effort – 15 points

Total possible is 110