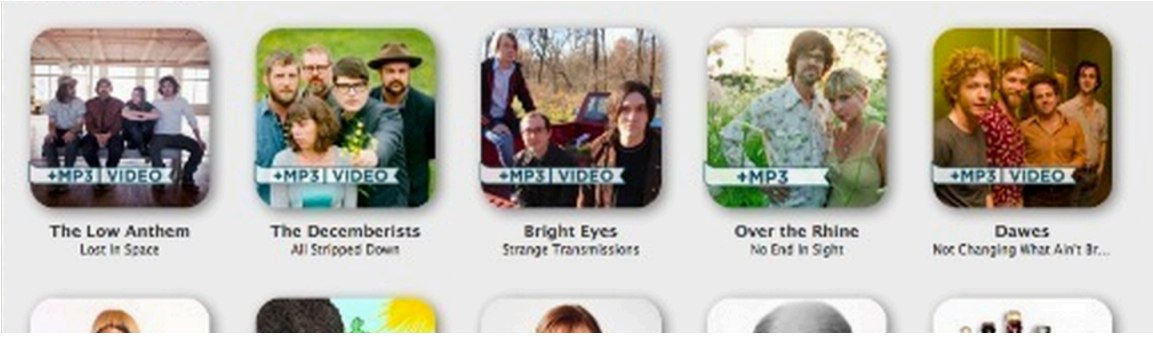
JMS 302: Hacking the Media

Problem Set for Week 10

1. **iTunes mockery**
    - Download cover art for 12 or more of your favorite albums. Put them in an "images" folder in your week_10 homework folder.
    - Create an HTML file titled "my_favorite_albums.html" and put the album cover with artist and title in an unordered list.
        - See class discussion about the formatting for this.
    - Create an external style sheet that makes the list look iTunes-ish. Miminum:
        - No bullets.
        - The list should flow from left to right and then down.
        - Bold the artist name.
        - Put the artist and album title on separate lines.
        - Try to include extras like: rounded corners and drop-shadow.



2. **Random movie generator, v1** (command line, hashes)
   Generate a random movie generator. It should:
    1. Look for a file named "movies.txt."
        1.1. If it does not exist, ask the user: "Enter the name of a viewer:"
            1.1.1. Then ask: "Enter the names of movies or TV shows [viewer] likes (press enter when done and we'll select a movie):"

1.2. Determine the viewers in "movies.txt" and ask the user: "Select one of these viewers or type "Other" to add a viewer."
    1.2.1. If the user does not type "Other," ask the user: "Enter the names of movies or TV shows [viewer] likes (press enter when done and we'll select a movie):"
    1.2.2. If the user types "Other," ask: Enter the name of a viewer:"
        1.2.2.1. Then ask the user: "Enter the names of movies or TV shows [viewer] likes (press enter when done and we'll select a movie):"
1.3. When the user is done entering movies, save movies to "movies.txt" with the viewer, then randomly generate a movie for the selected viewer. Print out "Watch [movie] from [viewer]'s list."

Hints: Use methods to eliminate redundancies. User hashes. Format "movies.txt" like so (using tabs or similar character to separate the two pieces of data on a line):

viewer_1 movie_1
viewer_2 movie_2
viewer_2 movie_3

Using YAML would be a better idea (and I may make that an iteration of this later), but I want you to get use to creating hashes.

In Class

1. **Word Frequency.** Write code that reads a text file and prints out a count of each word in the file.
2. **Simple Debugging.**
    a. Using puts
    b. end (quotes, brackets, parenthesis, etc.) error messages
    c. formatting (indenting)
    d. Also, sorty_by and reading lines of code
3. **Restaurants by User.**
4. **Rock, Paper, Scissors.**