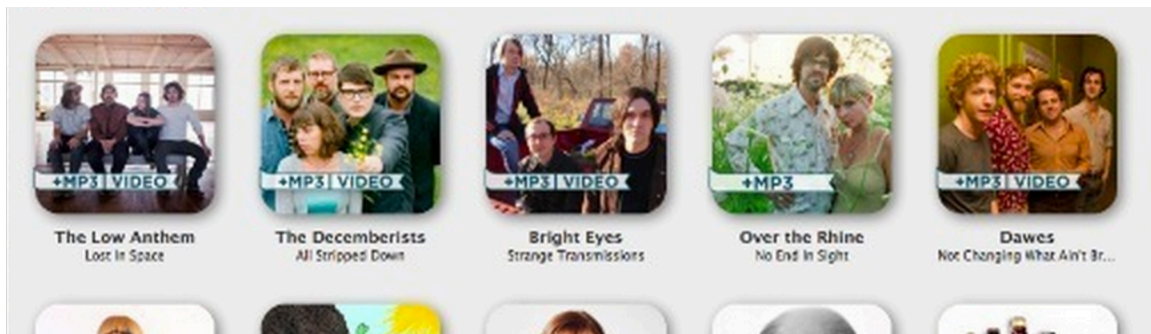# JMS 302: Hacking the Media

Problem Set for Week 10

1. **iTunes mimicry**
   - 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.

In Class

For your own reference (nothing to turn in). You should review the finished code on GitHub.

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, and f.puts
3. **Restaurants by User.**
4. **Rock, Paper, Scissors.**

On hold – don't do

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.