

Homework # 3

CSCI 342, Fall 2016

October 10, 2017

Due date: Friday, November 3, midnight.

Please ZIP all your files together into one archive as before! There will be lots of files for this assignment. Include the files I've provided, so that each assignment is self-contained without my copying my files to your folder.

Instructions:

- Create two files to recreate the web page seen in Figure 1: `tomayto.php` and `tomayto.css`.
- This webpage will have the addition of a single input form at the top, allowing the user to pick the movie from a drop-down list of all available movies, and having that movie displayed when the user clicks the “Select” button.
- Your page does not have to match mine perfectly, in fact, it should match your solution to homework #2. You should take that file and modify it so that all of the dynamic information in the web page comes from files and computations on those files performed in php on the server. You should not have to change your CSS file at all, except to add some styling to the movie selector.
- Again, format your html, php, and css to be as readable as possible.
- Place a comment header in each file with your name, a brief description of the assignment, and the file's contents.

Movie files:

- I have provided a zip archive of several movie files (actually, these were created by others, but I modified them slightly). Your program should handle any number of movies, each in its own subfolder of `moviefiles`. I will add one or two more movies when testing your page, so do not hard-code the movie names, use a `glob` pattern.
- Each subfolder will consist of the following files:

info.txt A file with three lines of information about the film. We will only use the first two, the title and the year. For example:

<code>The Princess Bride</code> <code>1987</code> <code>95</code>

overview.txt A file with information about the movie to be placed in the General Overview section. Each line starts with a title for that line, followed by a colon, and then the information for that line. There are no line breaks other than between items.

These items are to be displayed as a definition list with a definition list term (`dt`) and its description (`dd`). The number of lines in the file varies from movie to movie. Example (I have let the long line overflow to the right to emphasize the fact that this will be on a single line in the file):

```

STARRING:Cary Elwes, Robin Wright, Andre the Giant, Mandy Patinkin
DIRECTOR:Rob Reiner
PRODUCER:Arnold Scheinman, Rob Reiner
SCREENWRITER:William Goldman
RATING:PG
RELEASE DATE:September 25, 1987 (USA)
RUNTIME:98 min
SYNOPSIS:Director Rob Reiner breathes vividly colored cinematic life into William Goldman's TH
RELEASE COMPANY:20th Century Fox

```

overview.png The image to display at the top of the General Overview section. This image will be of size 250×412 px.

review1.txt, review2.txt, ... Files containing information for each review of the film. Each review contains exactly four lines: the review, the number of tomatoes (1-4), the reviewer's name, and their affiliation. For example:

```

One of Reiner's most entertaining films, effective as a swashbuckling epic, romantic fable, and
4
Emanuel Levy
emanuellevy.com

```

Different movies will have different numbers of reviews. Show half of the reviews in the left column, and the other half in the right (an extra review goes in the left column). Do not worry about the possibility that the columns may be very different in height. You may assume that every film has at least one review, but you do not know the maximum. Don't hard-code review names, use a `glob` pattern.

- All the movie folders should be in a folder called `moviefiles` in the same folder as your `tomayto.php`. So, for example, the complete path to the Princess Bride image should be (starting from the same folder as your php file):

`moviefiles/princessbride/overview.png`

The name of the folder is not important.

Your Own Movie: As part of your turnin, create your own set of movie input data for this page. Write `info.txt`, `overview.txt`, and at least four review text files for your movie. Also find a suitable image to use as `overview.png`, of size 250×412 px.

Server side computations: You will, of course, have to read data from the files to prepare each page. You will also have to do some processing to compute some of the content. For example, you will have to find the *average tomato ranking* to put as the giant red number at the top of the page. You will do this by running through all the reviews, finding the number of tomatoes and the number of reviews, and calculating the average.

Select movie dropdown: You will also have to find each of the movie folders in order to populate the dropdown selection next to the average tomato rating. This should be a form with a `select` input in it, with each `value` being the `folder name` for the movie, and each text in the selection being the actual movie name (found in the `info.txt` file).

Further, initially the page should load the "Princess Bride" movie, and this should be selected in the dropdown menu. Thereafter, the *selected* movie in the drop-down should always be the movie selected.

You will also need a `submit` button in the form containing the drop-down menu. Its action should be the same page, `tomayto.php`. We could make this a little nicer by submitting on selection, but that would

require javascript and that's forbidden for this assignment. Your php, therefore, needs to consult the `$_GET` variable to determine which film to display (with the default of "Princess Bride" if there is none selected).

No javascript: There should be *no* javascript used in this program. The entire appearance of the page should be created on the server in php, css, and html.

Style:

- Your PHP code should not produce any warnings or errors.
- Programming style will be considered in your grade.
- Do not use any unnecessary `global` variables.
- Produce as much of your output as possible in HTML mode as possible, without `print` or `echo` statements.
- Use functions when they seem appropriate.
- Put descriptive comments in your PHP code where appropriate.

Tomayto/Tomahto

Teenage Mutant Ninja Turtles II (1991)

2.4

Teenage Mutant Ninja Turtles II
Select

This lacks the darkness and subtlety that makes the first film so good, and so adult, but its simplified plot and gags will appeal to the under tens.

Lloyd Bradley
Empire Magazine

The sequel plays things very safe.

Douglas Pratt
DVDLaser

One can have a reasonably amusing time with this predictable sequel, which is a bit longer on action and shorter on wit and character than the original.

Jonathan Rosenbaum
Chicago Reader

The Turtles, when not battling Shredder or providing Vanilla Ice with the basis for a rap number, kid around in enjoyable ways.

Janet Maslin
New York Times

This one should have oozed out of the can before it got into any theaters.

Bob Bloom
Journal and Courier (Lafayette, IN)

Not only insulting to your intelligence, but also harmful for children to watch.

Derek Smith
Apollo Guide

Dear God, why?

Ken Hanke
Mountain Xpress (Asheville, NC)

The muppets look mighty fake, and Vanilla Ice was better in Cool as Ice, but check out wrestler Kevin Nash as Super Shredder.

Luke Y. Thompson
New Times

Even more fun than the original!

Clint Morris
Moviehole

If a Vanilla Ice cameo is a highlight, imagine what the rest of the film is like.

James Sanford
Kalamazoo Gazette

Next time, if the Turtles really want to hurt 'em, they should call on Hammer.

Peter Travers
Rolling Stone

GENERAL OVERVIEW

STARRING:
Francois Chau, Paige Turco, David Warner, Ernie Reyes, Vanilla Ice
DIRECTOR:
Michael Pressman
DISTRIBUTORS:
New Line Cinema, 20th Century Fox
RATING:
PG
THEATRICAL RELEASE:
March 22, 1991 (USA)
RUNTIME:
88 min
SYNOPSIS:
When reporter April O'Neil does a story on Professor Perry, and his efforts to uncover a certain toxic waste, the evil Shredder concludes that this is what gives the turtles their power, gets his hands on some and proceeds to create dangerous mutants. Armed with Professor Perry's anti-mutant antidote, it's up to the crime fighting turtles and a pizza delivery boy to conquer these mutants.
MPAA RATING:
PG, for animated action violence, some scary cartoon images and mild language
GENRE:
Action/Adventure, Comedies, Childrens, Martial Arts, Superheroes, Ninjas, Animated Characters

Tomayto/Tomahto

Figure 1: Screenshot of final webpage.

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