

Programming Assignment 4

Due Oct 27, 2020 by 11:59pm **Points** 100 **Submitting** a file upload **Available** until Oct 30, 2020 at 11:59pm

This assignment was locked Oct 30, 2020 at 11:59pm.

The Movie Web Application in PHP

Description

The goal of this project is to redevelop the movie web application described in Project #2 using PHP.

This project must be done individually. No copying is permitted. **Note: We will use a system for detecting software plagiarism, called [Moss](http://theory.stanford.edu/~aiken/moss/) (<http://theory.stanford.edu/~aiken/moss/>), which is an automatic system for determining the similarity of programs.** That is, your program will be compared with the programs of the other students in class as well as with the programs submitted in previous years. This program will find similarities even if you rename variables, move code, change code structure, etc.

Note that, if you use a Search Engine to find similar programs on the web, we will find these programs too. So don't do it because you will get caught and you will get an F in the course (this is cheating). Don't look for code to use for your project on the web or from other students (current or past). Just do your project alone using the help given in this project description and from your instructor and GTA only.

Platform

You will develop this project on your PC/laptop using XAMPP and you will test it using using your Mozilla Firefox web browser.

Documentation

The following are tutorials on PHP. Use them as a reference only.

- [PHP Tutorial](http://www.w3schools.com/php/default.asp) [_\(http://www.w3schools.com/php/default.asp\)](http://www.w3schools.com/php/default.asp)
- [PHP](http://www.cs.rochester.edu/courses/210/spring2011/lectures/005/) [_\(http://www.cs.rochester.edu/courses/210/spring2011/lectures/005/\)](http://www.cs.rochester.edu/courses/210/spring2011/lectures/005/)

- [PHP.net](http://php.net/manual/en/) [\(http://php.net/manual/en/\)](http://php.net/manual/en/)

Project Requirements

You will develop the movie web application described in Project #2 using PHP. First create a `project4` directory inside your web server root directory. Your project is to write only one PHP program `movies.php` inside `project4`. You don't need to use JavaScript. You don't need any proxy. The initial page is a search form with a text area widget and a "Display Info" button. When you click on the button to search, you get a page that contains the search form and a section with the search results. The search results is an itemized clickable list of movie titles along with their years they were released. When you click on the title of one of the search results, you get a web page with the search form and information about the movie: the poster of the movie as an image, the movie title, its genres (separated by comma), the movie overview (summary), and the names of the top five cast members (ie, actors who play in the movie). You call `movies.php` script in two ways: for example, using `movies.php?search=The+Matrix` to get search results for "The Matrix" and `movies.php?id=603` to get the page with the description of the movie 603.

Hints:

- How to call the MovieDB web services from PHP? Use either [file_get_contents](https://www.php.net/manual/en/function.file-get-contents) [\(https://www.php.net/manual/en/function.file-get-contents\)](https://www.php.net/manual/en/function.file-get-contents) or [curl](https://www.php.net/manual/en/book.curl) [\(https://www.php.net/manual/en/book.curl\)](https://www.php.net/manual/en/book.curl) - see `project2/proxy.php`
- How to process JSON data in PHP? Use [PHP JSON functions](https://www.php.net/manual/en/book.json) [\(https://www.php.net/manual/en/book.json\)](https://www.php.net/manual/en/book.json)

What to Submit

Submit your `movies.php` file.