

Test Task 2

Deliverable:

A .zip file containing all necessary files to be placed in the “htdocs” folder of a standard XAMPP installation and run on localhost. All code must be **documented** through comments detailing what each of the classes, methods and arguments are used for. Please test your code prior to submission.

Timeline:

The completed task must be sent in within 24 hours of your application submission.

Task Description:

The One Degree of Kevin Bacon

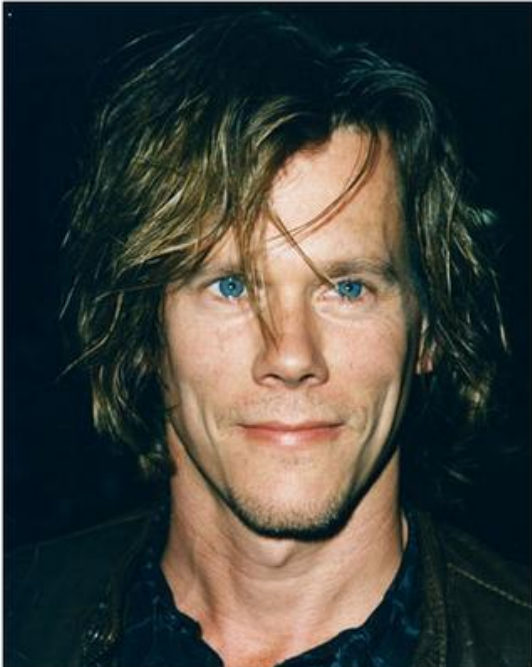
You will need to create the following two pages:

Home Page: mymdb.php

Actor's first/last name:

The One Degree of Kevin Bacon

Type in an actor's name to see if he/she was ever in a movie with Kevin Bacon!



Results page: search.php

Actor's first/last name:

The One Degree of Kevin Bacon

Kevin Spacey and Kevin Bacon were together in:

No.	Title	Year
1.	2000 Blockbuster Entertainment Awards	2000
2.	AFI's 100 Years... 100 Stars	1999

All of Kevin Spacey's performances:

No.	Title	Year
1.	Edison	2005
2.	In Search of Ted Demme	2004
3.	Beyond the Sea	2004
4.	Declaration of Independence	2003
5.	Life of David Gale, The	2003
6.	75th Annual Academy Awards, The	2003
7.	Comedy Central Roast of Denis Leary	2003
8.	United States of Leland, The	2003
9.	Keyser Sze: Lie or Legend?	2002
10.	Round Up: Deposing 'The Usual Suspects'	2002
11.	Judi Dench: A BAFTA Tribute	2002

The Six Degrees of Kevin Bacon is a game based upon the theory that every actor can be connected to actor Kevin Bacon by a chain of movies no more than 6 in length. (Most, but not all, can reach him in 6 steps. 12% of all actors cannot reach him at all.)

Your task for this assignment is to write the HTML and PHP code for a web site called MyMDb that mimics part of the popular IMDb movie database site. Your site will show the movies in which another actor has appeared with Kevin Bacon. The site will also show a list of all movies in which the other actor has appeared.

The front search page *mymdb.php* has a form where the user can type an actor's name. When the form is submitted, the results are shown on *search.php*. You will turn in the following files:

- *mymdb.php*, the front signup page (partial skeleton provided)
- *bacon.css*, the CSS styles for both pages

- *search.php*, the search results page
- *common.php*, any common code that is shared between pages ("optional").

Home Page:

The initial page, *mymdb.php*, allows the user to search for actors to match against Kevin Bacon.

The form on the page must contain two text boxes that allow the user to search for an actor by first/last name. The end goal is to submit to [search.php](#), but it is possible that the name the user types (such as "Will Smith") will match more than one actor. Some names match no one in the database.

Results Page:

The *search.php* page performs two queries on the imdb database to show a given actor's movies. Query the database using PHP's `mysql_` functions.

The database has the following relevant tables. (The roles table connects actors to movies.)

table	columns
actors	id, first_name, last_name, gender
movies	id, name, year
roles	actor_id, movie_id, role

It is not acceptable to perform query filtering in PHP. Your SQL queries must filter the data down to only the relevant rows and columns. For example, a bad algorithm would be to query all of the actor's movies, then query all of Bacon's movies, then use PHP to loop over the two looking for matches. Each query in the program should be done with a single SQL query to the database.

The required database for this project can be found in the task package.