

**CSCI 5333 DBMS
Spring 2020
Homework #6**

Web Database Development with MySQL and PHP

This assignment refers to the Sakila database that may come preloaded with MySQL installation. If not, search for "MySQL Sakila", download and install it.

After your solution is ready, you will need to upload it to the dcm server for the TA to grade your work. The MySQL server in the dcm server already has the Sakila database installed so you can simply use the following credential when you upload your program.

Host: localhost

Username: your dcm MySQL account name

Password: your dcm MySQL account password

database: sakila

Write a very simple toy PHP MySQL Web application, h6.php, to allow the manager to manage some customer information. This is a scaled down version.

Your program can accept no HTTP get parameter, or one of the following two parameters:

1. lnamef: the first character of the last name of a customer.
2. cid: the customer id of a customer

The Web application usually starts with the page h6.php with no HTTP input parameter:

<http://.../h6.php>

The page allows the manager to select the first character of the last name to explore further. Note that since there is no customer with the first character of his last name as U, X, or Z, these characters are not shown as choices in the drop down list below.



Please select the first character of the last name:

First char of last name:

A form consisting of a vertical list of letters from A to Y. The letter 'A' is highlighted with a blue background. To the right of the list is a button labeled 'Submit Query'. Red arrows point from the 'Submit Query' button to the 'A' option and from the 'A' option to the 'Submit Query' button. Another red arrow points from the 'Submit Query' button to the 'h6.php' part of the browser address bar shown in the image above.

Hint: you may need to study the HTML elements: `<FORM>`, `<LABEL>`, `<SELECT>` and `<OPTION>`. The `<FORM>` element probably should use the GET method and submit to the same PHP program (`h6.php`) by setting the ACTION attribute properly.

The form in `h6.php` submits to itself (`h6.php`) using the HTTP parameter `lnamef`. For example, if A is selected as the first character of the first name, then:

<http://localhost/.../h6.php?lnamef=A>

localhost/.../h6.php?lnamef=A

Please click the customer link to see brief information of the customer.

1. [LISA ANDERSON](#): active
2. [SHIRLEY ALLEN](#): active
3. [KATHLEEN ADAMS](#): active
4. [DIANA ALEXANDER](#): active
5. [BEATRICE ARNOLD](#): active
6. [IDA ANDREWS](#): active
7. [MELANIE ARMSTRONG](#): active
8. [ALMA AUSTIN](#): active
9. [CHARLENE ALVAREZ](#): active
10. [JOSE ANDREW](#): active
11. [CARL ARTIS](#): active
12. [HARRY ARCE](#): inactive
13. [OSCAR AQUINO](#): active
14. [GORDON ALLARD](#): active
15. [NATHANIEL ADAM](#): active
16. [RAFAEL ABNEY](#): active
17. [DARRYL ASHCRAFT](#): active
18. [TYRONE ASHER](#): active
19. [JORDAN ARCHULETA](#): active
20. [KENT ARSENAULT](#): active

When Lisa Anderson's link is clicked:

<http://localhost/.../h6.php?cid=11>

localhost/.../h6.php?cid=11

Number of films rented by customer LISA ANDERSON (11): 24.

For an invalid cid:

<http://localhost/.../h6.php?cid=2000>

localhost/.../h6.php?cid=2000

Sorry, the id 2000 is not in the database.

Your Programs do not need to handle any other HTTP input error.

Your solution URL for the TA to test must be
http://dcm.uhcl.edu/your_account/h6.php. Submit your homework (the PHP source file) through Blackboard, together with a link to your solution URL.