

# CSCI 4333 Design of Database Systems

## Fall 2021

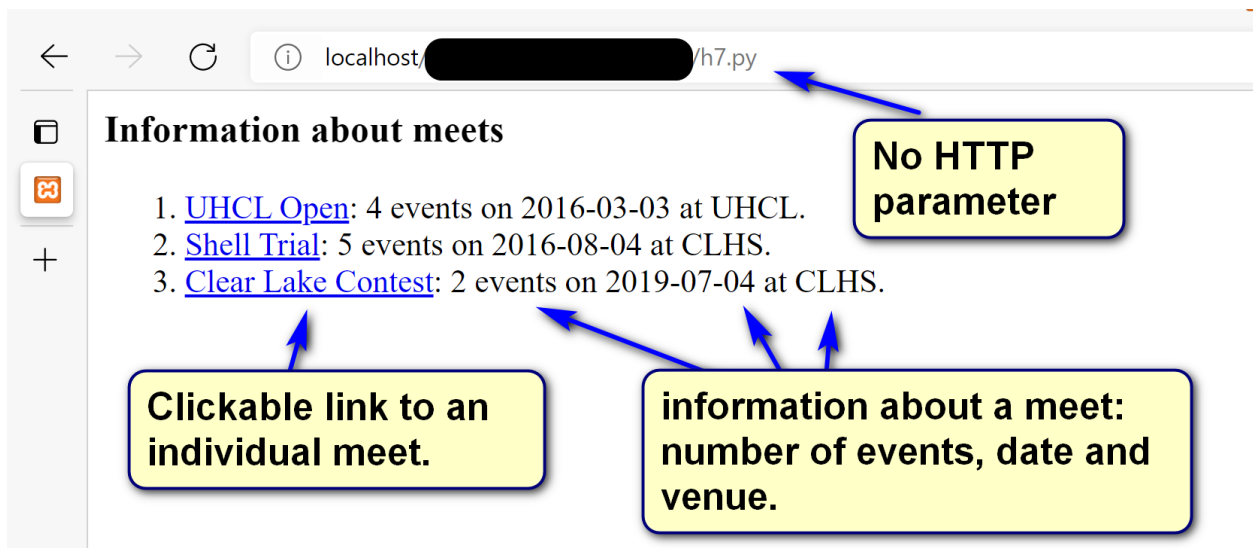
### Homework #7

## Web Database Development with MySQL, PyMySQL and Python

You should have already installed XAMPP so you can have Apache in your computer for development. Follow the steps in the class lecture notes to ensure that Apache supports Python CGI. Use Swim in MySQL: [createSwim.sql.txt](#) and [PopulateSwim.sql.txt](#)

Write a Python CGI application, h7.py. It may accept one HTTP parameter, *mid*, which is the meet id: meetId. The Web application initially displays some information about all meets in the database in the following format. Study the following format, especially the pinpointed parts, to ensure that your application will reproduce it.

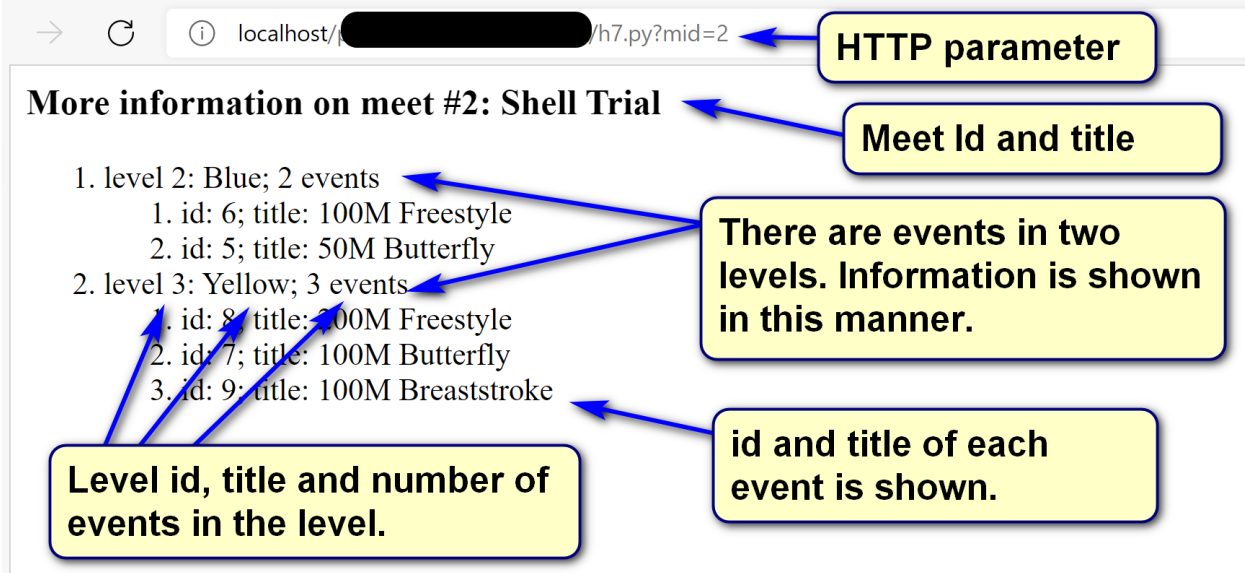
<http://.../h7.py>



If the link for 'Shell Trial' is clicked, it will lead to

<http://.../h7.py?mid=2>

which shows:



Your program does not need to check for HTTP parameter errors.

Host the Python application in your dcm account. Note that dcm server may have problems in using `dbconfig.py` and `dbconfig.ini`, so you may simply include your dcm's MySQL credential *directly* in `h7.py`, which should be:

Host: *localhost*

user: *<<your dcm MySQL username>: full last name + first character of first name (a number 1, 2, 3, etc., may be added in case of conflict. Check your account here:*

*<https://sceweb.sce.uhcl.edu/support/?page=sceStudentAccountLookup> >>*

password: *<<your dcm MySQL password: "Sce" + Your 7 digit UHCL student ID + "!!">>*

database: *swim*

Submit URL at dcm for the Web application and the Python code to the TA so she can grade your work.

Your program file name should be `h7.py`. Submit your homework through Blackboard. *Add the extension .txt in your submission if necessary.*