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Comp4754 Project

1. Instructions to run the project scripts:
 - a. Download and install MySQL, Python3.7/3.8 , and apache on your machine
 - b. Open cmd and navigate to the directory of your python, then enter:
`python -m pip install mysql-connector'`
 - c. Copy and paste the thlee.py into apache24\cgi-bin and thlee.html to
apache24\htdocs
 - d. Before you start running both files, open thlee.py with any IDLE. replace the
path at the first line of the code with your path to your python.exe
(eg: `#! C:\Users\YourUserName\AppData\Local\Programs\Python\Python38-32\Python.exe` (python version may defer)
 - e. After installation, navigate to the directory of your apache24\bin , then enter
httpd.exe and the server will run.
 - f. Open up your browser (chrome preferred), in the url type in
<http://localhost/thlee.html>.
 - g. Now, you can clear see my website.

2.

- a. Under your browser url, type in localhost/thlee.py

localhost/thlee.html

← → ↻ 🔍 localhost/thlee.html

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Retrieve information about each supplier who supplied the part

Please enter a part's name

Select the information you want to retrieve

☒ Supplier's id
☒ Supplier name
☒ Supplier address
☒ Cost

Retrieve the names of the suppliers who have ever supplied a part with that cost or higher

Please enter cost of the part

Retrieve the names and addresses for the suppliers who charge the most.

Please enter pid of the part

b. First query test:

localhost/thlee.html

localhost/thlee.html

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Retrive information about each supplier who supplied the part

Please enter a part's name

Case

Select the information you want to retrieve

☒ Supplier 's id

☒ Supplier name

☒ Supplier address

☒ Cost

Submit

Result:

localhost/cgi-bin/thlee.py

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S.sid	S.sname	S.address	C.cost
111	John Smith	1 Elizabeth Ave	50.0
222	Linda Wang	20 Main Street	70.0
333	Paul Justin	150 Water Street	56.0
444	Andy Brown	1 Elizabeth Ave	48.0
555	Bob Lee	10 Governor Road	65.0

c. Second query test:

Retrieve the names of the suppliers who have ever supplied a part with that cost or higher

Please enter cost of the part

Submit

Result:

Supplier 's name	Address
Andy Brown	1 Elizabeth Ave

d. Third query test

Retrieve the names and addresses for the suppliers who charge the most.

Please enter pid of the part

Result:

Supplier 's name	Address
Linda Wang	20 Main Street
Andy Brown	1 Elizabeth Ave

e. Fourth query test:

Retrive the names of parts with that color which is supplied by all supplier in the given address

Please enter color

Please enter address

Result:

Part's name
Monitor
CPU-AMD

- f. Fifth query test:

Retrive the sids and names of the suppliers in the address who do not supply any part

Please enter address

10 Governor Road

Submit

Result:

Sid	Supplier 's name
666	Lisa Reed

- g. Error message whenever user didn't enter a value or has entered an invalid value

Example: Error message for a. All error messages for other query are similar.

error

please enter a Supplier's name