

Course : Database Design

Assignment - 2

Resources for this assignment:

- .vdi file of bossmool(modified Linux Operating System developed in Distributed Object Systems Lab, IIT, Madras) which includes the IIT Madras rate contract system explained in video lecture 1.
- User Credentials for bossmool.
Username : bossmool
Password : bossmool
- The above file and installation instructions pdf can be found under Downloads tab from the following link <http://dos.iitm.ac.in/projects/bossmool/bossmool.html>
- Computer Rate Contract Details System can be accessed from <http://localhost/index.htm> after successful installation of the above system
- User credentials for the MySQL server
Username : www
Password : www123

Question:

Vendor ID	Category	Rating
1	Addons	3
1	Spare Parts	4
1	Printers	4
2	Addons	10
2	Spare Parts	3
2	Printers	9
3	Addons	0
3	Spare Parts	5
3	Printers	10
4	Addons	5

4	Spare Parts	8
4	Printers	8
5	Addons	7
5	Spare Parts	4
5	Printers	3
6	Addons	4
6	Spare Parts	9
6	Printers	4
7	Addons	9
7	Spare Parts	3
7	Printers	8
8	Addons	6
8	Spare Parts	2
8	Printers	7
9	Addons	10
9	Spare Parts	9
9	Printers	2
10	Addons	6
10	Spare Parts	2
10	Printers	10
11	Addons	0
11	Spare Parts	10

11	Printers	9
12	Addons	2
12	Spare Parts	3
12	Printers	2
13	Addons	8
13	Spare Parts	4
13	Printers	3
14	Addons	3
14	Spare Parts	9
14	Printers	6
15	Addons	10
15	Spare Parts	6
15	Printers	4
16	Addons	0
16	Spare Parts	7
16	Printers	2
17	Addons	2
17	Spare Parts	6
17	Printers	0
18	Addons	3
18	Spare Parts	1
18	Printers	8

19	Addons	10
19	Spare Parts	6
19	Printers	3
20	Addons	2
20	Spare Parts	4
20	Printers	3
21	Addons	6
21	Spare Parts	3
21	Printers	4
22	Addons	6
22	Spare Parts	2
22	Printers	5
23	Addons	0
23	Spare Parts	3
23	Printers	4
24	Addons	3
24	Spare Parts	7
24	Printers	9
25	Addons	9
25	Spare Parts	3
25	Printers	10
26	Addons	3

26	Spare Parts	7
26	Printers	6
27	Addons	8
27	Spare Parts	5
27	Printers	7

Modify the rate contract user interface for searching various computer items by including a drop down option for choosing the vendor ID and rating in each category present in the above table. Using this modified rate contract user interface, produce the output for the following queries:

1. List out the specification number, vendor name and rating whose printer name is either HP ScanJet 2400 or HP PhotoSmart 7550.
2. List out the vendor id, vendor name in the spare parts category, sorted by rating in descending order.
3. Find the average rating in the printers category.

(Your output will be checked against standard output produced by the correct program)

Submission Details:

- Sql Code for each query should present in separate file and format of the file name Query_X.sql (ex: Query_1.sql, Query_2.sql)
- The output of each query should present in separate file and format of the file name as Query_X_Output.txt (ex: Query_1_Output.txt, Query_2_Output.txt)
- Zip all the necessary files in one folder named as your registered email id.(ex: abc@gmail.com.zip)