Malesela Sithole

26DBJRMQ3

USER DOCUMENTATION

Python project: Video Store

Python Project User Documentation

Introduction:

I have been tasked to develop a system that will enable a video store to keep record of all their customers as wells as their videos. The system has a server and client side. The server connects to a MySQL database called "video_store". When the client request certain data from the server, the server will have to process the request and send back the result to the client.

Each customer must be registered on the system to be able to hire out movies. The customers' details are all stored in the database table called "customers"

Customer registration:

When the register option is chosen, the customer must enter their phone number, the server will then check if the customer is not already registered. If the customer already exists a message will be printed to indicate this, else the user can continue with their registration and enter their details as follows: Name, Surname and address, which will be sent to the server and upon the print of "customer successfully registered message the new customer is registered.

Movies registration:

When the register movie option is selected, the user must enter the movie name and type which can only be of the following types "Red box indicated by, 'R' for new movies" or "Black box indicated by 'B' for old movies, the information is then sent to the server and the movies is add to the database in the videos table.

Hire Out movie:

When the hire out movie option is selected the application will ask for the customers phone number and the Id of the movie they would like to hire, the customer details are retrieved if they match the phone number inputted, The movies is marked as hired out by it being added to the hire table indicated the date hired as well.

Return Movie:

This option requests the id of the movie hired and it is marked as returned by updated the hire table on the returned date column.

Screen shots:


```
mysql> SELECT * FROM videos;
+---------+----------+-----------+------+------------+
| videoId | videoVer | vname     | type | dateAdded  |
+---------+----------+-----------+------+------------+
|       1 |        2 | Spider Man | R   | 2017-05-05 |
+---------+----------+-----------+------+------------+
1 row in set (0.00 sec)

mysql> SELECT * FROM hire;
+--------+---------+----------+------------+------------+
| custId | videoId | videoVer | dateHired  | dateReturn |
+--------+---------+----------+------------+------------+
|      1 |       1 |        2 | 2017-05-07 | NULL       |
+--------+---------+----------+------------+------------+
1 row in set (0.08 sec)

mysql>
```



```
Python 3.4.3 Shell
File  Edit  Shell  Debug  Options  Window  Help
Python 3.4.3 (v3.4.3:9b73f1c3e601, Feb 24 2015, 22:
D64)] on win32
Type "copyright", "credits" or "license()" for more
>>> ============================= RESTART ======
>>>
Client connected to server
================================
|          VIDEO STORE          |
================================
| 1. Register Customer          |
| 2. Register Movie             |
================================
| 3. Hire Out Movie             |
| 4. Return Movie               |
================================
| x. Exit                       |
================================
Choice:
```



```
C:\Windows\py.exe
Client connected to server
================================
|          VIDEO STORE          |
================================
| 1. Register Customer          |
| 2. Register Movie             |
================================
| 3. Hire Out Movie             |
| 4. Return Movie               |
================================
| x. Exit                       |
================================
Choice:
```

```
File  Edit  Shell  Debug  Options  Window  Help

Python 3.4.3 (v3.4.3:9b73f1c3e601, Feb 24 20
D64)] on win32
Type "copyright", "credits" or "license()" f
>>> ============================== RESTART
>>>
Server started...
port: 8081
listen number: 1000

|
```