

Introduction

Welcome to Hospital Database Management System (now onwards DBMS)! This is a simple program written in Python implementing database management using MySQL. This document mentions important information, including what kind of data the tables accept and what can cause an error. This is not exhaustive and in case you find difficulty you may ask for help.

Starting the program.

1. **KanuDB.py** is saved in folder named hospitalDBMS on Desktop.
2. Open folder hospitalDBMS.
3. Double click KanuDB.py
Or
Right click KanuDB.py > Open with > Python Launcher
4. A Dialogue for User_ID and Password appears
Note: A preferences window may also open, which can be safely closed.

Credentials

User_ID: Mahespro

Password: Maralex1989\$

Note: Any other combination will not work.

tk #3

This window gives you two options:

1. Data Entry: Selecting a table from the dropdown menu opens up 2 or 3 more option to either add, edit or delete records.
Further clicking an option opens up data fields to enter data into.
2. Search: Selecting this option opens up another window, asking for which table we want to search.

Data Fields

This program is not designed to accept values other than specified. Wrong entry might cause that entry to be ignored. It is a best practice to enter only the mentioned data field type.

Otherwise specified, all data fields accept characters, generally 60 and few fields even accept longer entries.

1. All <name>_ID accept only a positive integer value. Adding a new entry automatically assigns a ID for that entry.
2. Phone, address, and contact info fields accept character and numbers both, where only phone entry field can only hold 15 digits, whereas other two can hold more.
3. Any date entry field accepts value in the format YYYY-MM-DD.
4. Payment_status in billing table accepts an integer value. Different integers can be assigned different values corresponding to different meanings. A suggested way could be: 0 for pending payment, 2 for processing and 4 for payment done.
5. Amount field accepts a double value having an expression .00 at the end. Eg, 44 dollars will be written as 44.00 and 45.57 as 45.57
6. Any table which asks for an ID other than its own ID requires that foreign ID to be created first.
For example,
In inventory table, it asks for a Supplier_ID for that particular item, therefore something should already exist in the supplier table with the same id.

Search

1. Select the table from dropdown table and click search.
2. Select the value by which you want to search and type the query in the entry field
3. Hit search again.
4. All results related to the search will appear below.
5. By default every entry or any changed is logged and appears as a date+time field at the end of every row.
6. Close the window.

Troubleshooting

1. A simple PC restart resolves many problems, give it a try!
2. You entered data but it didn't showup in search: Make sure the correct data type is entered.
3. You recently uninstalled few programs and the dbms has stopped working: 2 components of this script use MySQL and Python, make sure to not delete them.

Credits

This python program is developed with <3 by [Hetu Chauhan](#).