**SYNOPSIS**

**INTRODUCTION:**

Python is an interpreter, object-oriented, high-level programming language with dynamic semantics. It has a simple, easy to learn syntax which emphasizes readability and therefore reduces the cost of program maintenance. It supports various modules and packages, which encourage program modularity and code reuse. Today, Python programming is used by an abundance of developers which is popularly used in many applications including scientific programming, games programming, network programming, web development, and desktop GUIs.

MySQL is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. MySQL database may be anything from a simple shopping list to a picture gallery or the vast amounts of information in a corporate network. It is one of the best types of RDBMS available to us.

When we design real-life applications, we are bound to encounter situations wherein we need to manipulate data stored in a database through an application designed by us. Interfacing Python with MySQL provides the best of the 2 worlds and proves to be useful in such situations. The easy to use, dynamic structure finds its use in many nooks and corners.

**GOALS:**

In an attempt to create a real-life data management system, we have programmed a replica of “MEDICAL STORE MANAGEMENT SYSTEM “. This system finds its use in medical store organizations so as to keep pace with time and to bring about the best result without malfunctioning and greater efficiency and to replace the unending heaps of flies with a much-sophisticated hard disk of the computer as software has been an asset in such stores to maintain efficiency. The programme aims to provide efficient usage to the user. The programme has options like inputting, viewing and deleting information in different tables making the task efficient.

**NOTE: -** THIS PROGRAMME CAN ONLY BE USED IF THE PASSWORD AND LOGIN ID IS CORRECT

**ABOUT THE PROJECT:**

When the system is accessed, the program displays the welcome note for the medical shop and the first table which appears asks whether the user wants to login or exit the programme. If login is entered the next table asks to login as user, shopkeeper or admin.

The tables that are available:

* Patient Records
* Doctor Records
* Medicine Details
* Supplier Details
* Sales Details
* Promotion Details
* Profit Details
* Salary Records

**I. USER**

Customers are asked to login with their id and password. Further they are provided with a menu which contains the options that they can access.

The options are as follows:

* **Input Patient Records**

This option helps you to input patient records in the database

* **View patient record**

This option helps you to view patient records from the database

* **View doctor details**

This option helps you to view doctor details from the database

* **View medicines details**

This option helps you to view medicine details from the database

* **Delete patients records**

This option helps you to delete patient records from the database

**2. SHOPKEEPER**

Shopkeepers are asked to login with their id and password. Further they are provided with a menu which contains the options that they can access.

The options are as follows:

* **Input doctor details**

This option helps you to input doctor details in the database

* **Input Medicines details**

This option helps you to input medicine details in the database

* **Delete doctor details**

This option helps you to delete doctor details from the database

* **Delete medicines details**

This option helps you to delete medicine details from the database

* **Input supplier details**

This option helps you to input supplier details in the database

* **View supplier details**

This option helps you to view supplier details from the database

* **Input sales details**

This option helps you to input sales details in the database

* **View sales details**

This option helps you to view sales details from the database

* **Input promotion details**

This option helps you to input promotion details in the database

* **View promotion details**

This option helps you to view promotion details from the database

**3. ADMIN**

Admin of the shop are asked to login with their id and password. Further they are provided with a menu which contains the options that they can access.

The options are as follows:

* **Input Salary records**

This option helps you to input salary records in the database

* **View salary records**

This option helps you to view salary records from the database

* **Delete salary records**

This option helps you to delete salary records from the database

* **Input supplier details**

This option helps you to input supplier details in the database

* **View supplier details**

This option helps you to view supplier details from the database

* **Delete supplier details**

This option helps you to delete supplier details from the database

* **Input sales details**

This option helps you to input sales details in the database

* **View sales details**

This option helps you to view sales details from the database

* **Delete sales details**

This option helps you to delete sales details from the database

* **Input promotion details**

This option helps you to input promotion details in the database

* **View promotion details**

This option helps you to view promotion details from the database

* **Delete promotion details**

This option helps you to delete promotion details from the database

* **Input profit details**

This option helps you to input profit details in the database

* **View profit details**

This option helps you to view profit details from the database

* **Delete profit details**

This option helps you to delete profit details from the database

**BUILT IN MODULES/FUNCTIONS USED:**

Built-in modules/functions used in the program are:

1. mysql.connector
2. mysql.connector.connect()
3. mycon.is\_connected()
4. mycon.cursor()
5. mycursor.execute()
6. mycon.commit()
7. mycursor.rowcount()
8. mycursor.fetchall()
9. len()
10. input()
11. print()

**SOFTWARE AND HARDWARE SPECIFIC INFORMATION REQUIRED:**

PYTHON:

Python Version: 3.8.3

IDLE Version: 3.8.3 Release Date: May 13, 2020 Status of Python Branch:

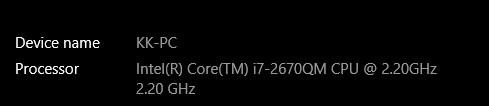
* 1. Branch:3.8
  2. Status: bugfix
  3. First Release: 2019-10-14
  4. End of Life: 2024-10
  5. Release Manager: Łukasz Langa

MYSQL:

MYSQL Version: 8.0



Command Line Client: 8.0 General Availability: 19 April 2018 Latest Minor Version: 8.0.22 Latest Release: 2020-10-19

SYSTEM:

1. Windows Edition: Windows 10 Pro
2. Processor: Intel(R) Core(™) i7-2670QM [CPU@2.20GHz](mailto:CPU@2.20GHz)
3. System Type: 64-bit operating system, x64based processor