A Technical Report on

STORE MANAGEMENT SYSTEM

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ACADEMIC YEAR
2022-2023

SUBMITTED BY

EC3M16, Section – B
3RD Year

DECLARATION

I declare that this report represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all the principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in this submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

KAMBALA CHANDU 620147 DATE: 03/05/23

CERTIFICATE

It is certified that the work contained in the thesis titled “Store Management System” by KAMBALA CHANDU bearing roll number:, 620147 has been carried out under my/our supervision and this work has not been submitted elsewhere for the Mini project.

Signature of Supervisor

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May, 2023

ACKNOWLEDGMENT

We would like to share our sincere gratitude to our supervisor “Dr. Bolli Sridhar” for helping us in completion of this project. During the work we faced many challenges as the field is new and due to our lack of knowledge and experience, but he helped us to get over from all the difficulties and in final completion of our project. We have learnt many new things during the project discussion. We are really glad to be associated with a person like Dr. Bolli Sridhar. All our team members are thankful to all of the Department faculty members for their support.

We profoundly thank “Dr. Kiran Kumar Gurrala”, Head of ECE Department who has been an excellent guide and also a great source of inspiration to our work. We would like to acknowledge the help for giving us all the required permissions and helping us to complete the project. We would like to thank all the faculty of the ECE Department for teaching us and for spending time for the review. We also thank our friends who directly or indirectly helped us in our project work and completion of the report in time. Lastly, we would like to thank our families for their selfless support.

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K. Chandu

ABSTRACT

We will create a Medical Store Management System for small enterprises based on Python MySQL Database Access for this project. The software's user-friendly interface has been created to provide electronic billing documentation, database access, and stock maintenance with valued customer assistance. These attributes have now been employed to calculate consumer discounts, daily revenues, and procedures to avoid possible income loss. This project on Medical Store Management System may be utilized by a wide range of retail and wholesale shops to automate the task of manually keeping the records and cash flows since its design was made with ease of use in mind.

Contents

1. INTRODUCTION

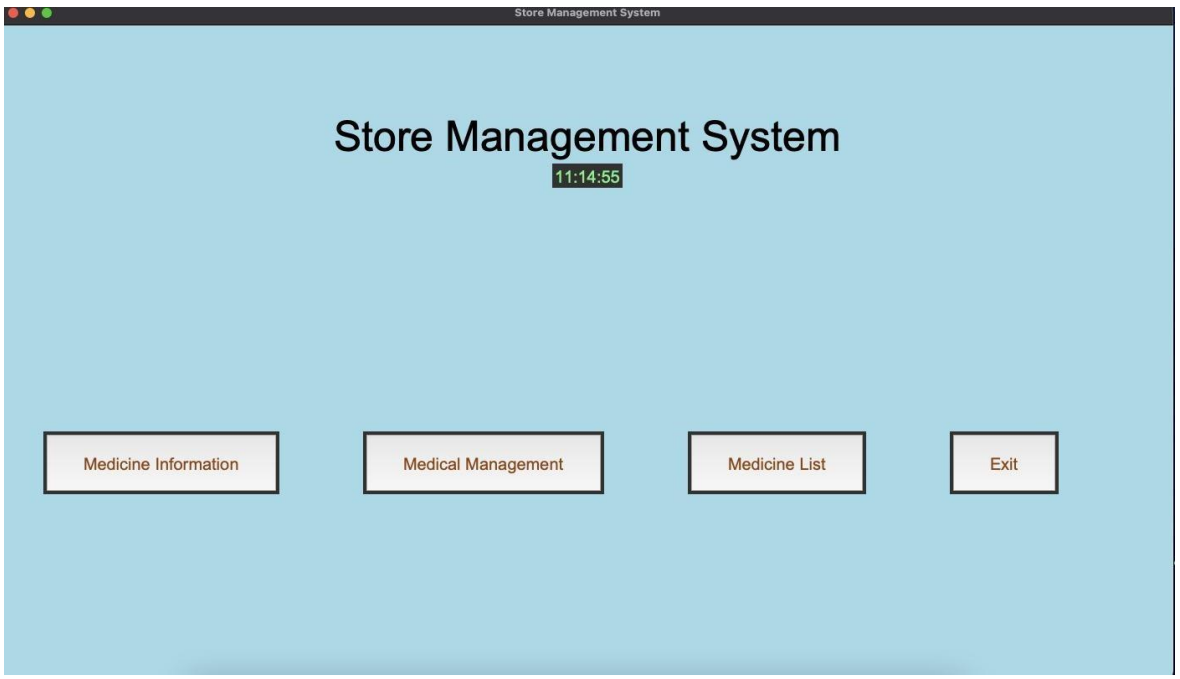
A database and GUI-based project, using Tkinter and sqlite3 libraries from Python. Aiming to create a user friendly layout which would help in effective stock management. The interface is designed to create the total bill a customer needs to pay. A detailed summary of when to use a medicine is also provided for reference.

2. OBJECTIVE

Our objective of this project is to make the stock management and billing process at any store, hasslefree. With this interface the shop-keeper will have an up to date and clear idea about what is available in his store. Our project is specially designed for medical store but can effectively be used for any kind of store with minor changes.

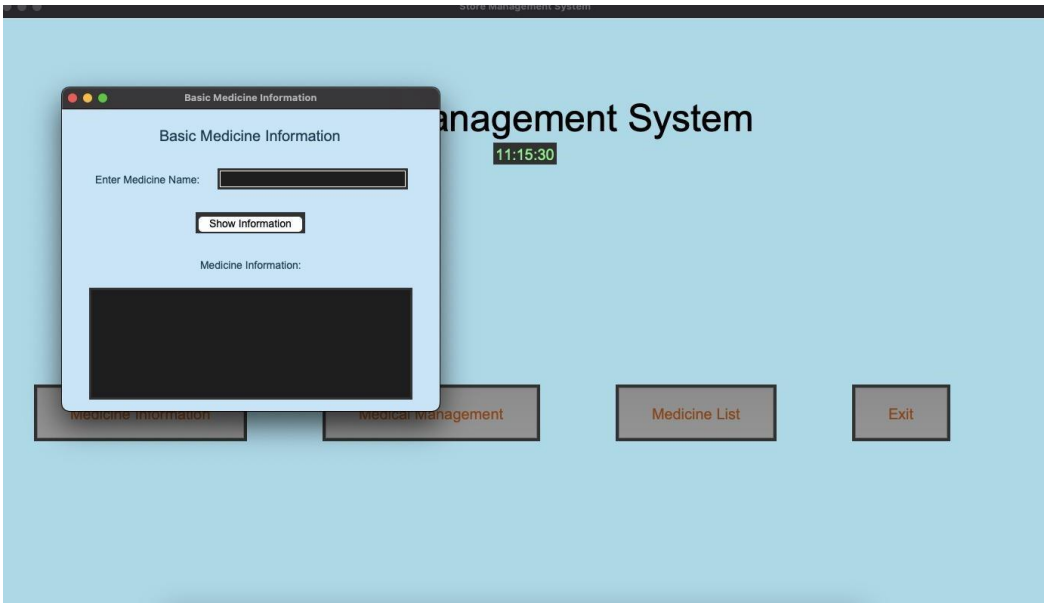
3. STORE MANAGEMENT SYSTEM

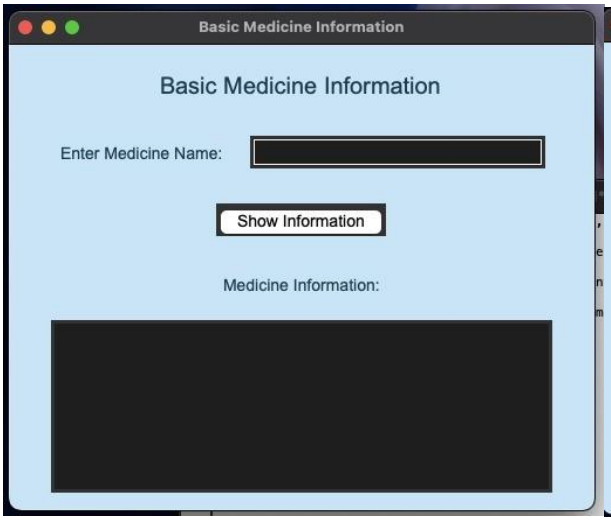
The project is a simple interface that can be used at any store for billing purposes, effective stock management and for an insight about the products available. The first page contains four buttons namely Medicine Information, Medical Management, Medicine List and Exit. Let us look at the output of each button closely.

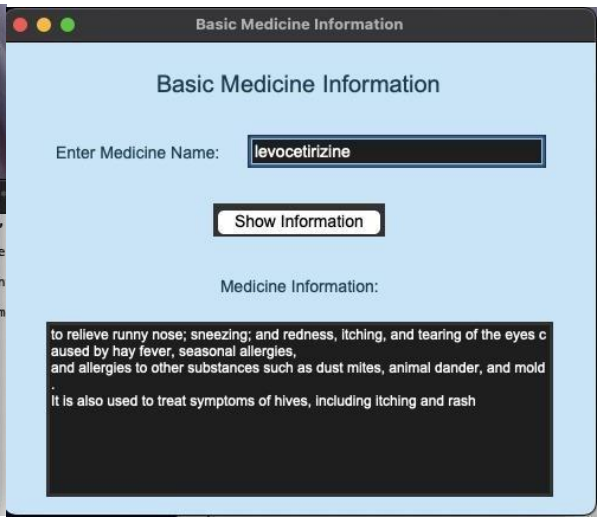


3.1 Medicine Information

This will take us to the following interface where we will be able to know the use case of a medicine by typing its name.

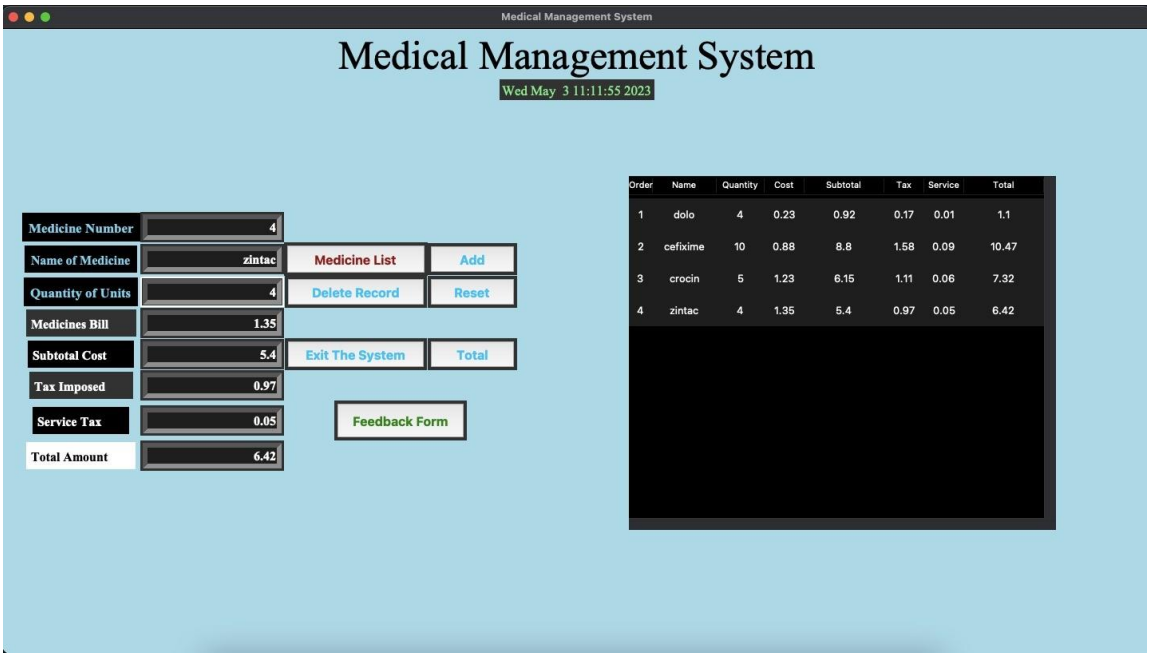






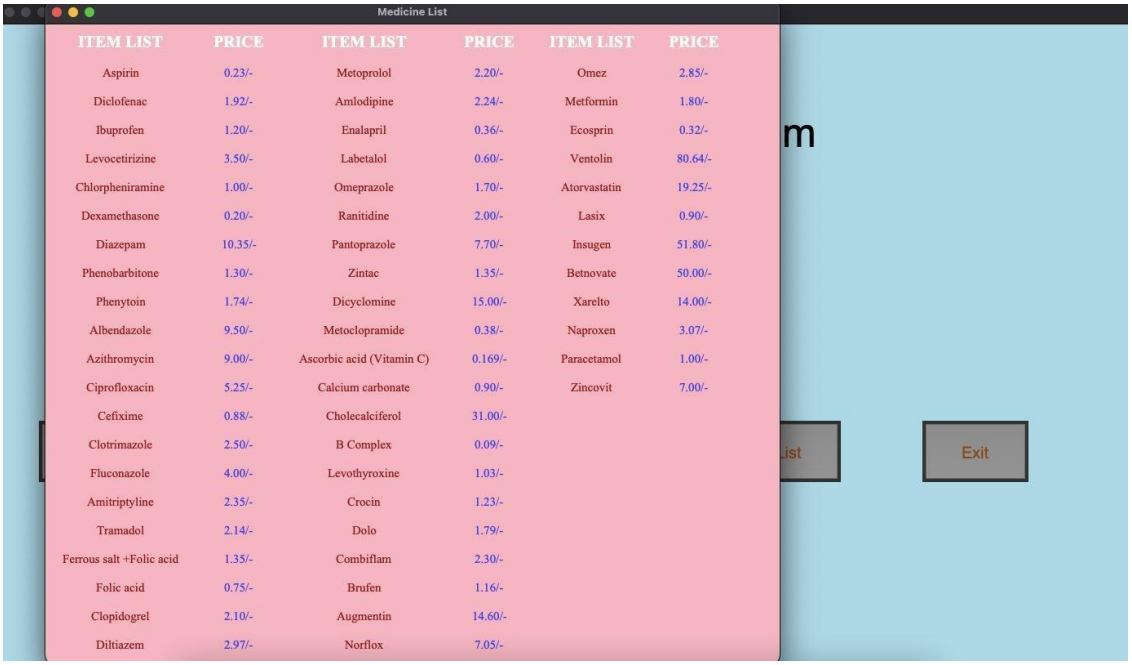
3.2 Management System

This is a GST billing page where we will be able to add the medicine, quantity and create a GST bill. We have also integrated a feedback form.

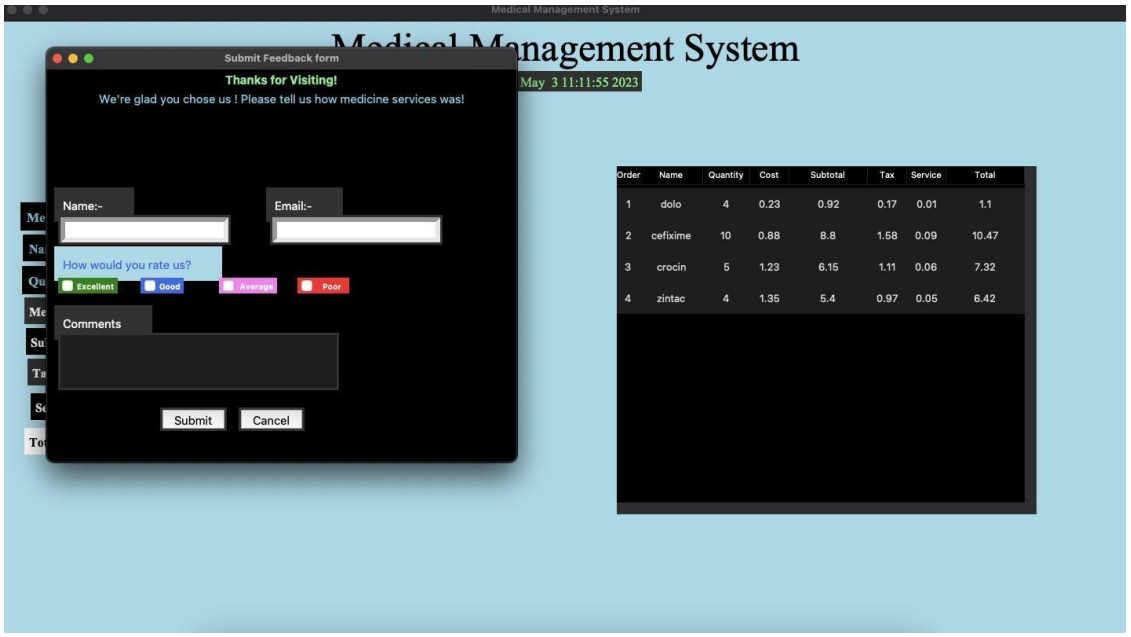


3.3 Medicine List

List of medicines that are available.



3.4 Feedback Form



4. PYTHON LIBRARIES AND MODULES

A Python library is also a group of interconnected modules. It contains code bundles that can be reused in a variety of programs. It simplifies and facilitates Python programming for programmers. Because then we won't have to write the very same code for different programs.

4.1 TKINTER

The tkinter package is the standard Python interface to the Tk GUI toolkit. Both Tk and tkinter are available on most Unix platforms, as well as on Windows systems. Tkinter is Python's de-facto standard GUI (Graphical User Interface) package. It is a thin object-oriented layer on top of Tcl/Tk. Tkinter is not the only GUI Programming toolkit for Python. It is however the most commonly used one.

4.2 TIME

We can use this module to have a record of real time. We used this to display clock in the page.

4.3 Sqlite3

Sqlite3: SQLite3 can be integrated with Python using the sqlite3 module. It provides an SQL interface compliant.

4.4 Turtle

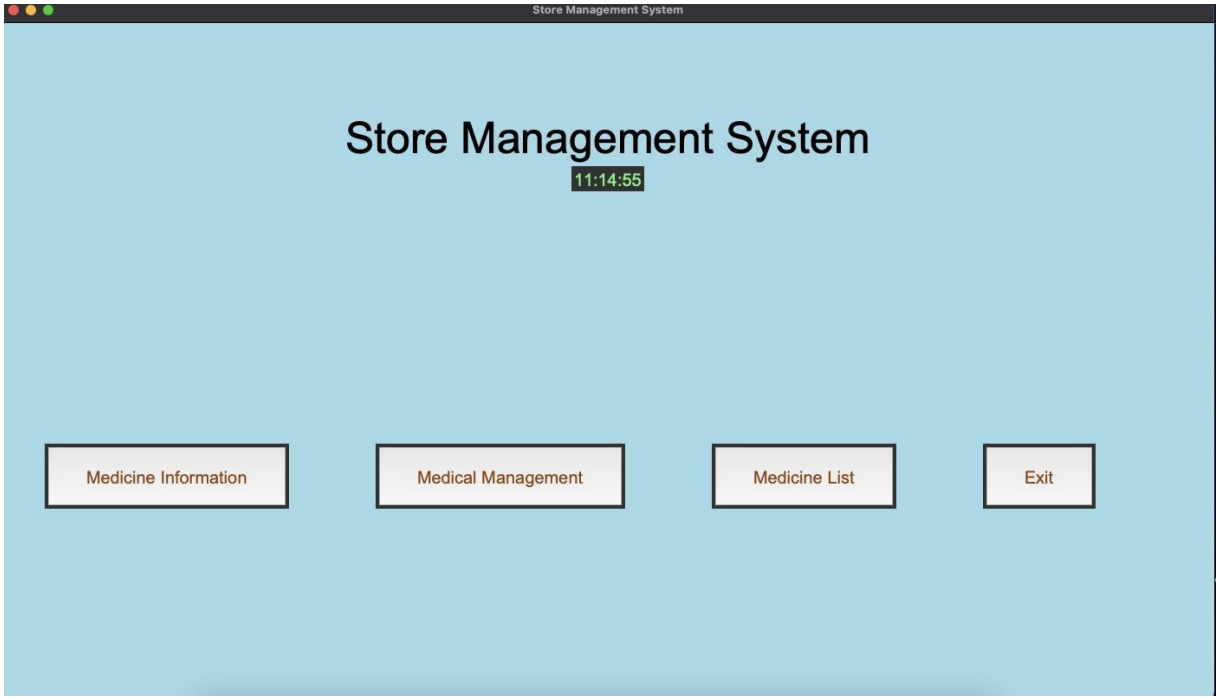
The turtle module provides turtle graphics primitives, in both object-oriented and procedure-oriented ways. Because it uses tkinter for the underlying graphics, it needs a version of Python installed with Tk support.

4.3 Datetime

For creating the real time clock along with date for billing purposes.

5.CONCLUSION

The output was as expected we created a simple and user friendly interface using which a Medical store can be managed. One can easily manage stock, know about the medicines and also just assign someone to run the store as all the information is readily available.



6. REFERENCES

[1] Python and Tkinter Programming by John E. Grayson [2]

ChatGPT for minor errors faced