



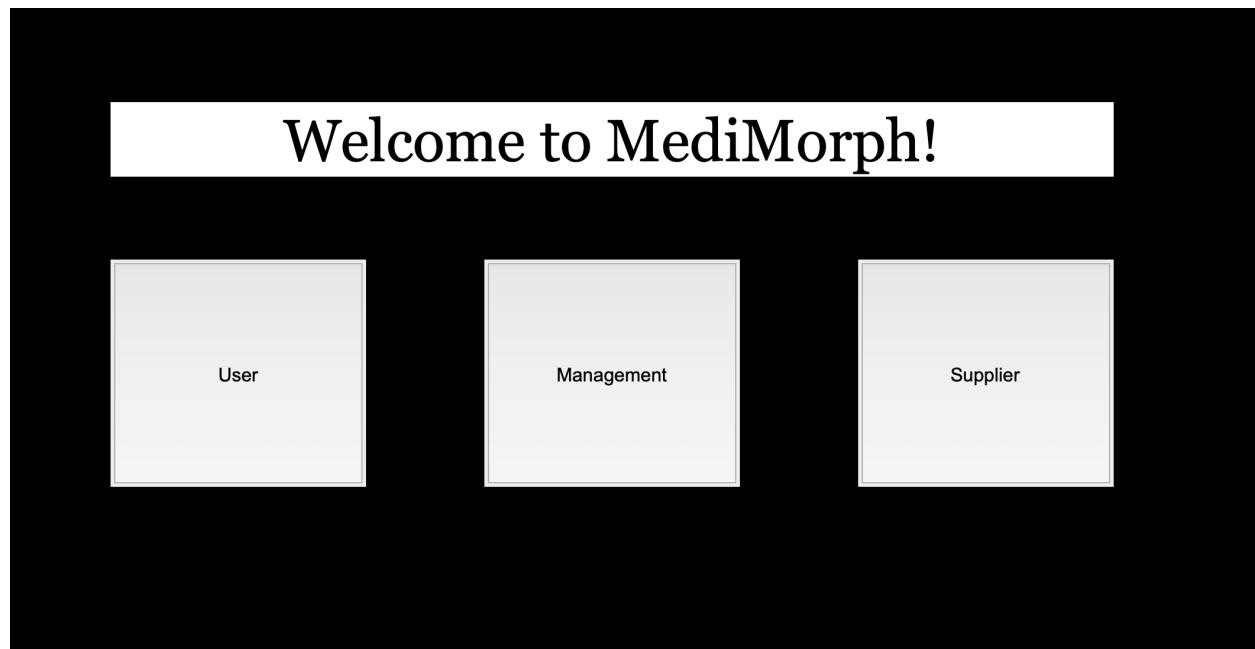
MediMorph

“Your Health, Our Priority”

Welcome to MediMorph!

This is a comprehensive guide to help you walk through our pharmacy management system application MediMorph.

Our application is built with the use of Python Tkinter and it uses the local server at its backend. The database query language used is MySQL.



Homepage

Once you open MediMorph, you are presented with 3 options to navigate to:

1. Move ahead as a user
2. Sign in as Management
3. Sign in as Supplier

How the user chooses to proceed from here on depends on what access privileges the user has, each one of the buttons leads to a separate login page and asks for credentials of the user, this prevents users who don't have access to confidential information to access it.

User Portal

The user portal offers new users the option to sign up by providing some required details. The old users can directly log in using their credentials. Once this is done, the user see the following options :

1. **Medicine cart:**

- a. It presents a list of available medicines with information about medicine_id, name, storage_temperature, concentration, price, expiry date and recommended dosage.
- b. The user can explore the list and enter the medicine_id and the quantity required. Then clicking on the add button will make a check in the database to make sure that the entered quantity is available.
- c. If the quantity is available the medicine is added to the medicine cart else the user is notified about the same.

2. Book Doctor:

- a. It presents a list of available doctors appointments with information about doctor_id, name, fees, qualification, experience, address, mode of availability and timings.
- b. The user can explore the list and enter the doctor_id. Then clicking on the add button will add the selected doctor appointment to the doctor cart.

3. Book Lab Test:

- a. It presents a list of available lab appointments with information about lab_id, timings, location, fasting time, type of test, mode and cost.
- b. The user can explore the list and enter the lab_id and the quantity required. Then clicking on the add button will add the selected lab appointment to the lab cart.

4. Checkout:

- a. Clicking this will explore all the elements added by the user in all the carts and calculate the category-wise and the final total cost of the items and present a summary.

- b. Alongside this will decrease the quantity of the ordered medicines in the main medicine database of MediMorph.

Management Portal

The management portal provides an interface to the employees of MediMorph. The employees are provided with a username and password which they must enter to get into the application and perform their tasks. On logging into the application the employees see the following options:

1. Add Medicine:

- a. Clicking this leads to an interface where the employee can add a new medicine to the MediMorph database. To do so the employee has to enter the ID of medicine, storage temperature, concentration, name, price, expiry date, recommended dosage, quantity available, ID of supplier supplying the medicine and ID of the employee responsible for the added medicine. The ID of the supplier and the employee added for the medicine must be valid, else the medicine is not added.
- b. Once the above is added, pressing the Add button verifies if there is some medicine with the same ID, if it is found, the employee is notified, else the medicine is added.

2. Add Supplier:

- a. Clicking this leads to an interface where the employee can add a new supplier to the MediMorph database. To do so the employee has to enter the ID of the supplier, delivery charges the supplier charges, delivery time, the location of the supplier, the supplier price, and ID of the employee responsible for the added supplier.

The ID of the employee added for the supplier must be valid, else the medicine is not added.

- b. Once the above is added, pressing the Add button verifies if there is some supplier with the same ID, if it is found, the employee is notified, else the medicine is added.

Supplier Portal

The supplier's job is limited to supplying the medicines to MediMorph. Hence the supplier is given very limited access to the portal of MediMorph. The supplier is only allowed to add more quantity of some medicine. The supplier can enter the application by entering the credentials.

On entering the application the supplier is provided with a list of medicines and the basic details of each medicine. The details are limited to protect the integrity of MediMorph. The supplier is allowed to select a medicine ID and the quantity to add. Clicking the add button will update the total quantity of the particular medicine by adding the entered value. The medicine is only added if a valid ID is entered.

Some Additional Features:

1. Maintaining Order History:

- a. The order history has been generated and saved in our database.

2. Use of adequate triggers

- a. We have designed triggers that automatically regulates the supplier fees.

- b. Automatic discounts are also applied to certain products based on surplus in inventory.

MediMorph's amazing backend database ensures short loading times for its users and sails through the extensive usage of the management with ease.