

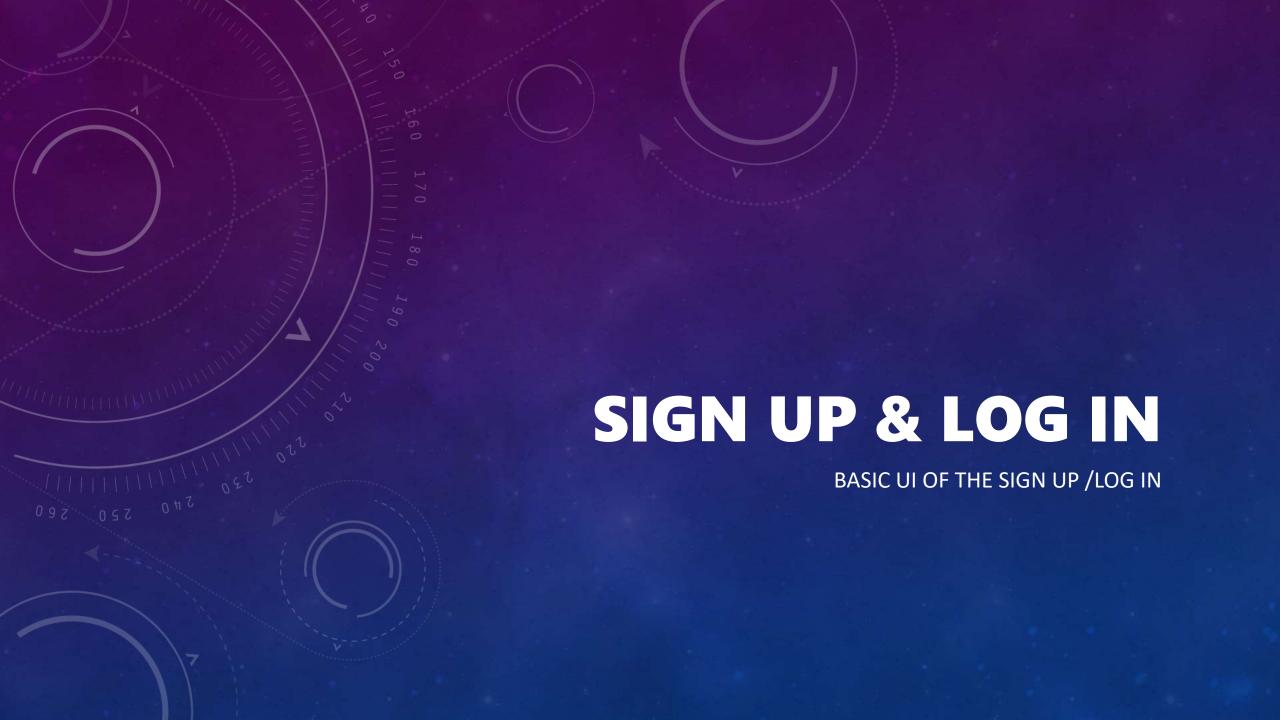
Coordinated By:
Jash Patel (E003)
Dhruv Pathak (E008)
Arushi Pathik (E009)

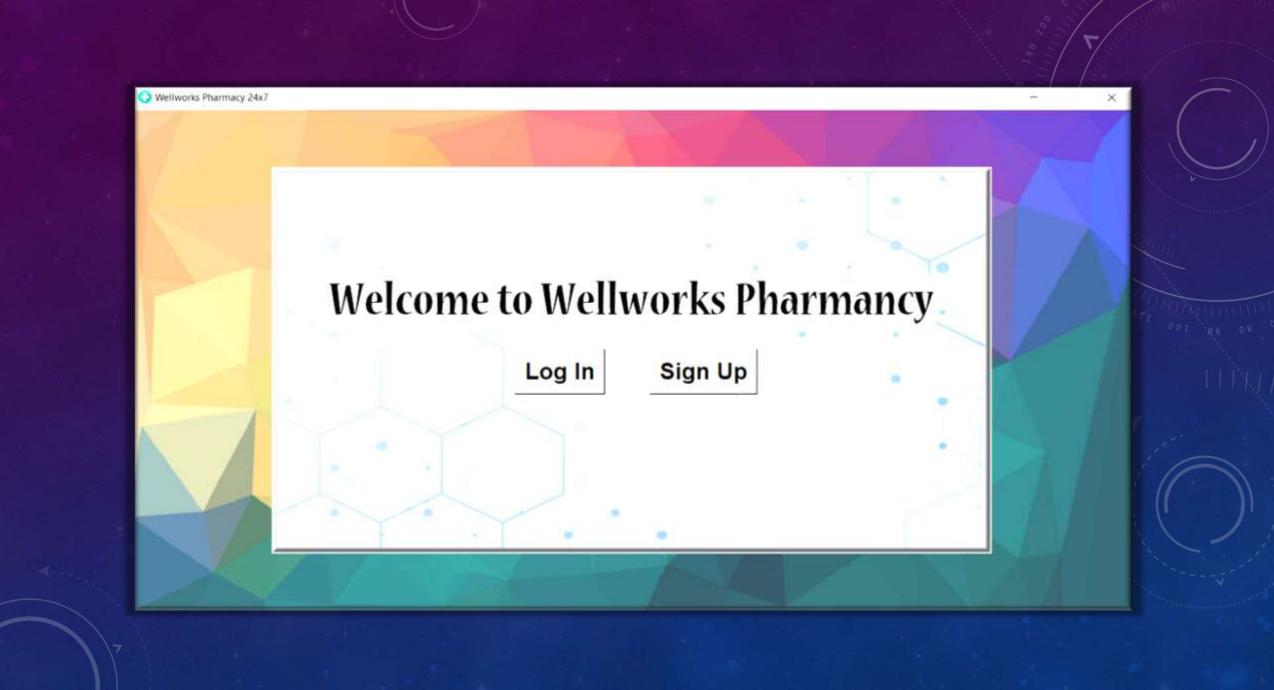


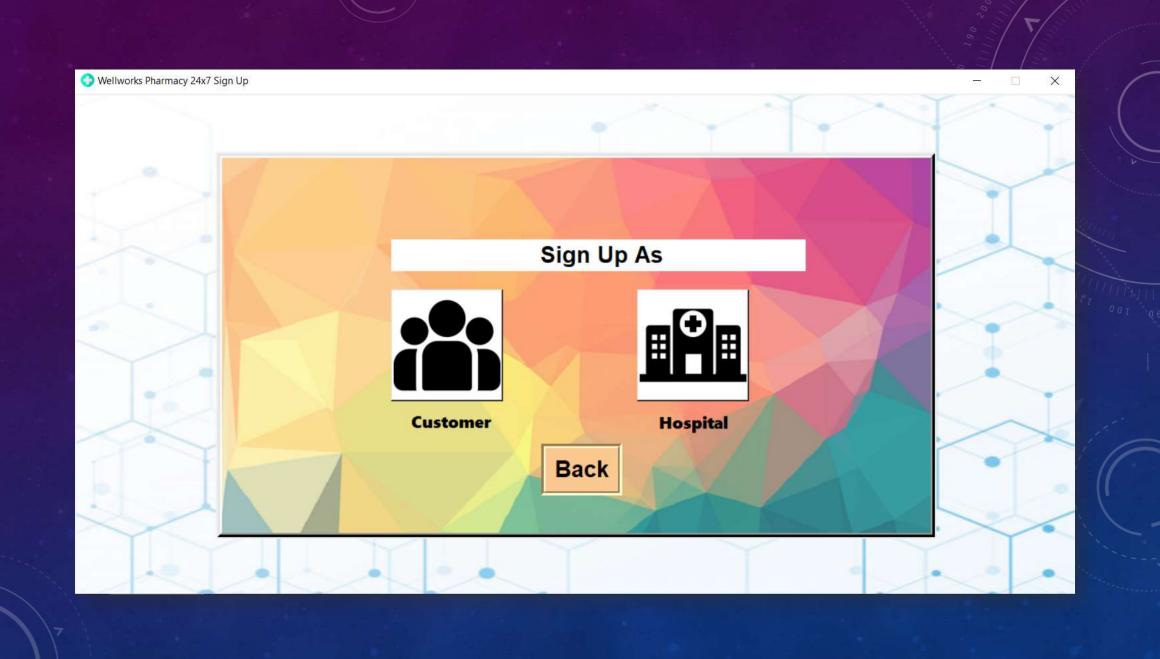
Pharmacy Database Systems are widely used all around the world and a large dependency exists on these applications. The curiosity of wanting to know the working of these systems and the amount of importance it pays in any medical field lead to the idea of building our way from ground zero to making an application close to the real world software on a small scale.

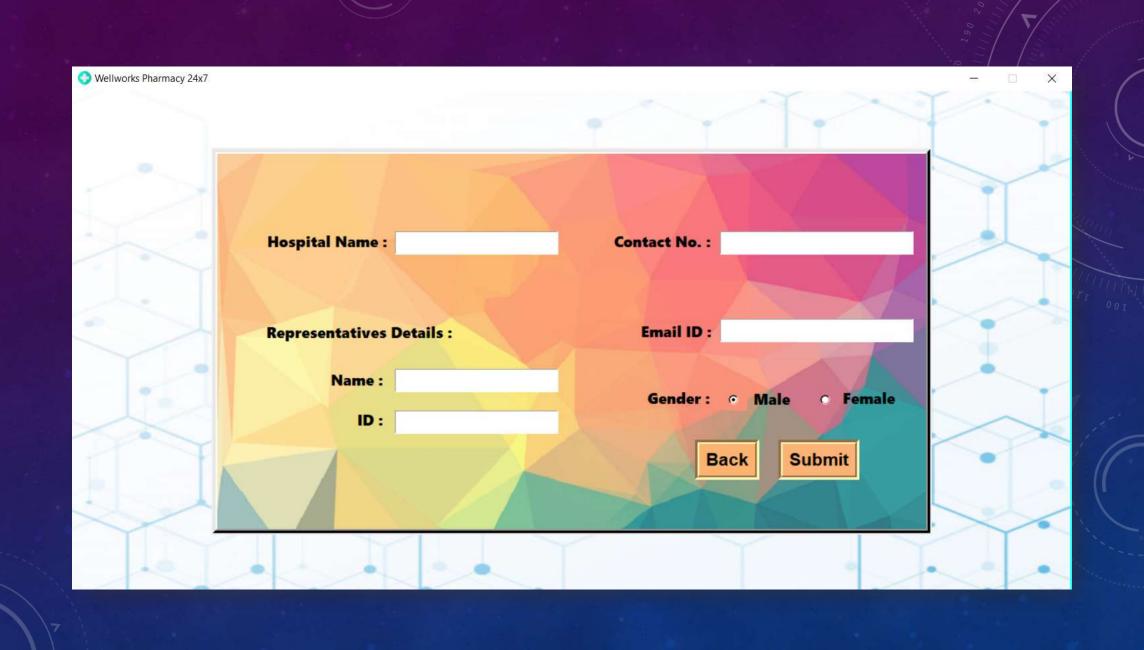
These software's are always on updated by increasing the accuracy of the data or by increasing the connectivity speed or by making it more user friendly. As pharmacy provides medical products that make or break lives, so it is very important that these software's that hold the data of these products are easy to read, write and edit. These are the places where improvement scopes are present.

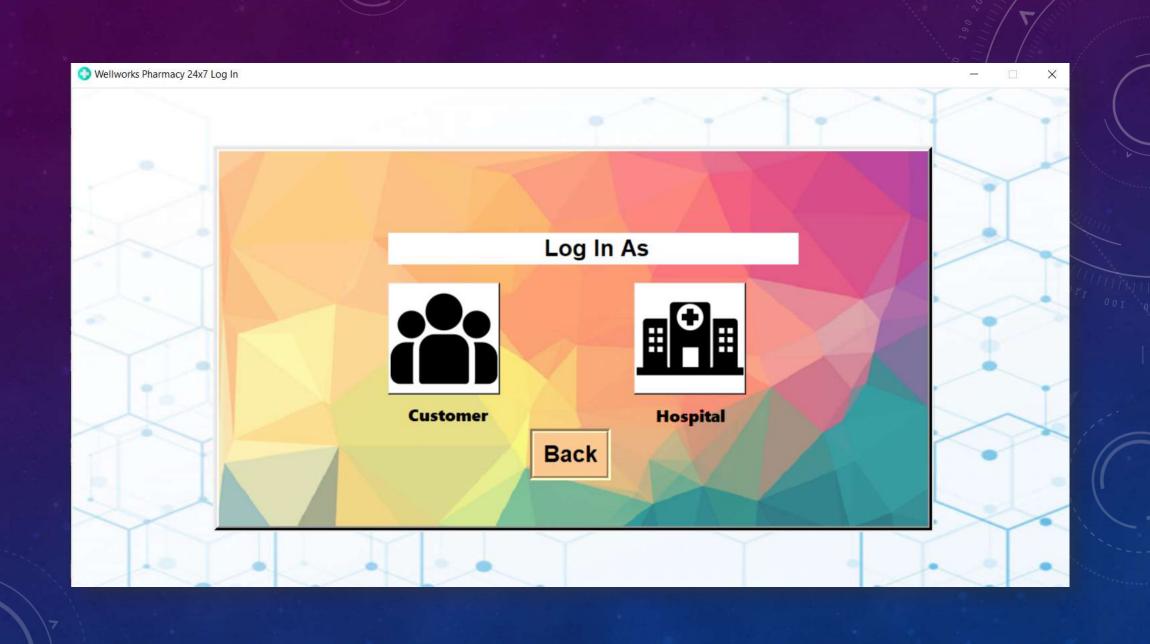


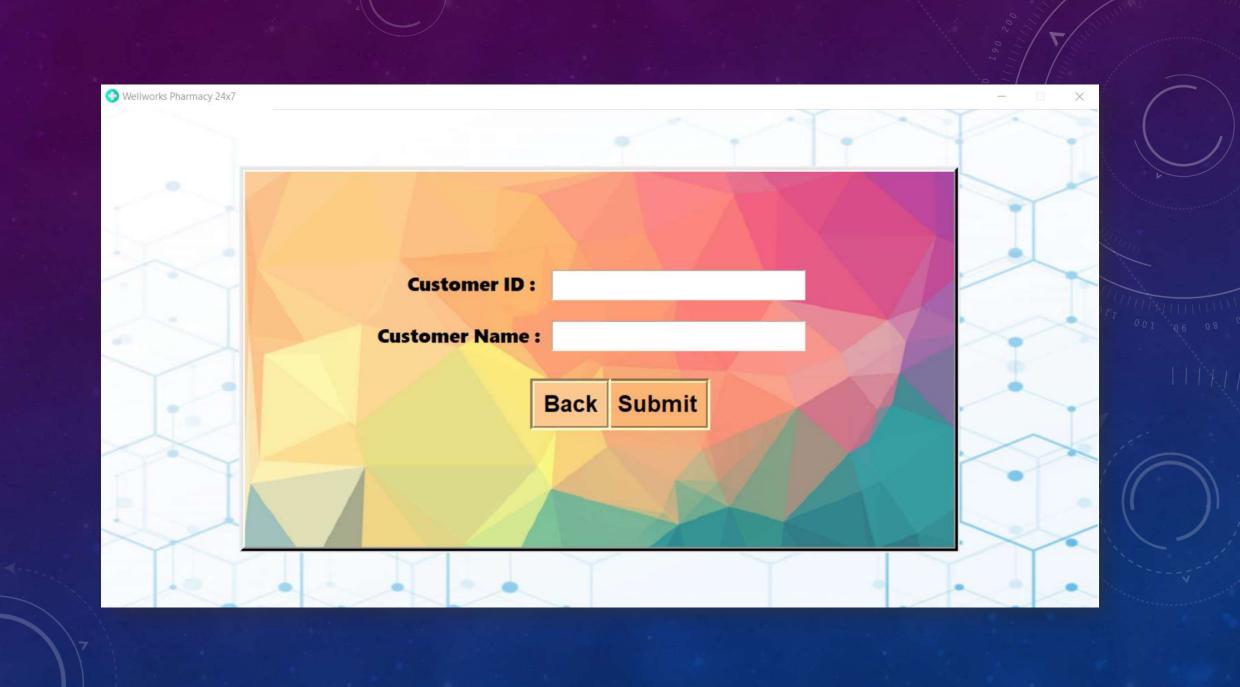




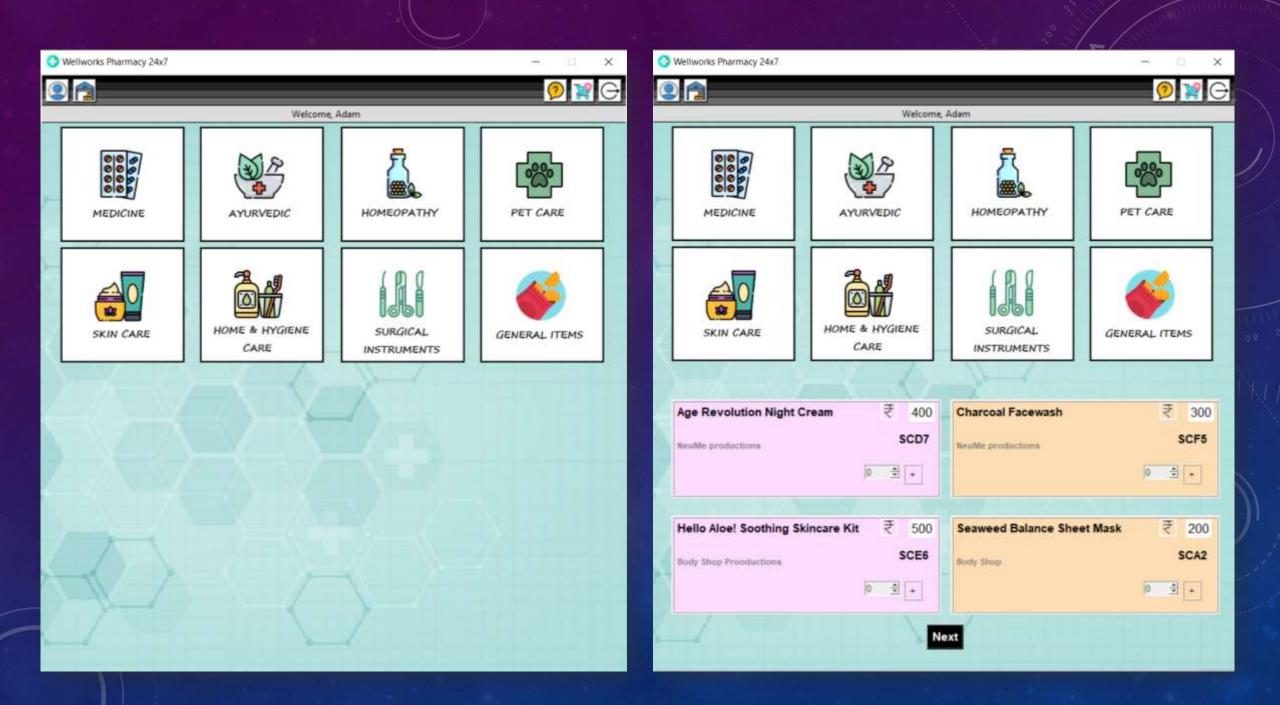




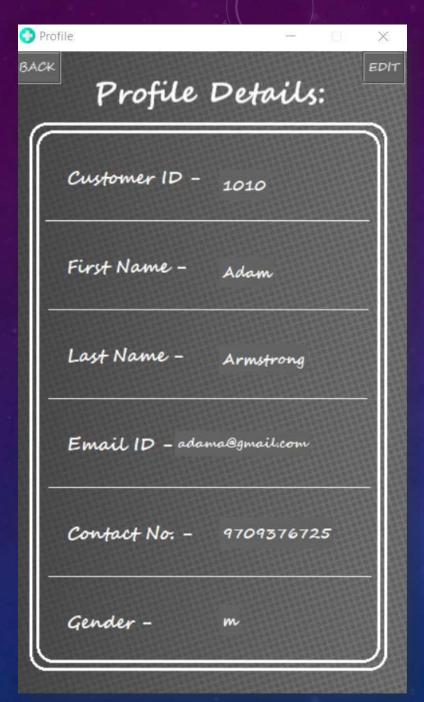


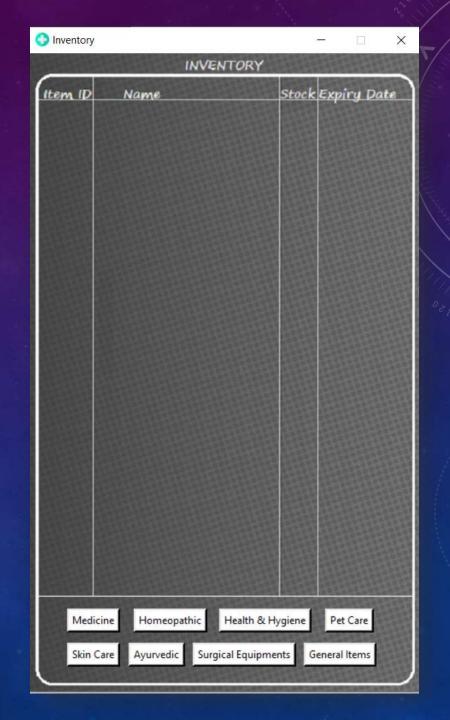














Here we developed a GUI(Front End) using PYTHON TKINTER MODULE coded in PYCHARM.

And the database(Back End) is created using SQL language coded in MYSQL.

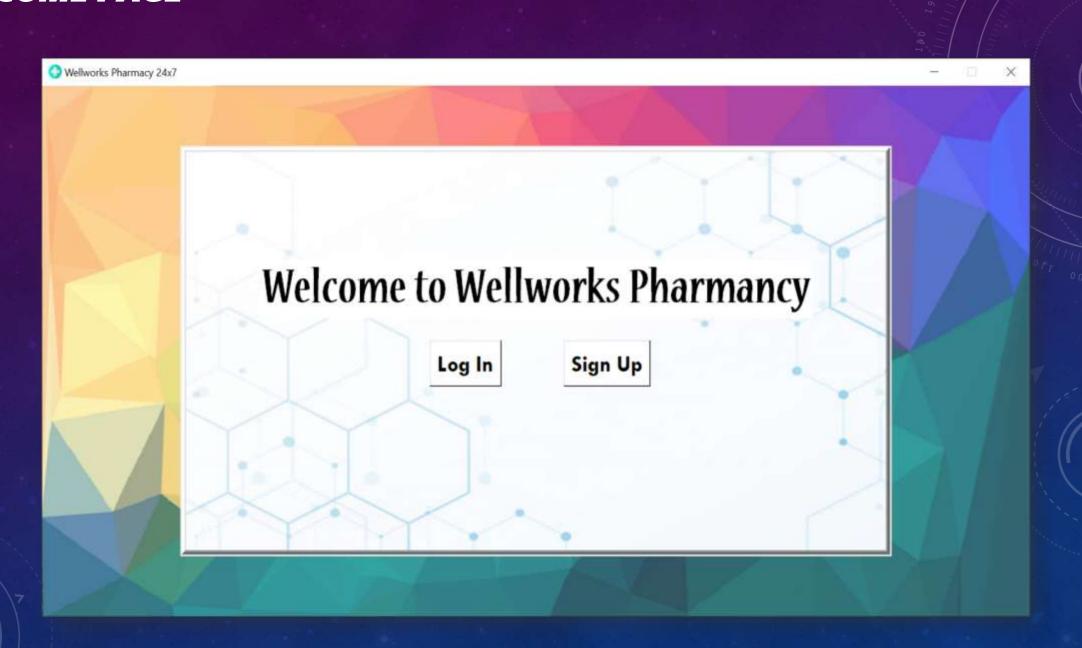
More specifically, we used the following versions-MySQL Workbench 8.0 and PyCharm 2019.3.3 (Community Edition).

Details of functionalities and connectivity, we used following modules and libraries:

- tkinter To build the GUI for the Project
- mysql.connector To connect database (MySQL) with Python
- random To randomly generate ID's
- messagebox(tkinter) To create warning and logout dialog box
- tkinter.font To beautify Fonts
- math To manage data from database on various windows and pages
- t.after() Used to delay any action
- x.bind() Used for hovering and to connect pressing Enter to Submit button.

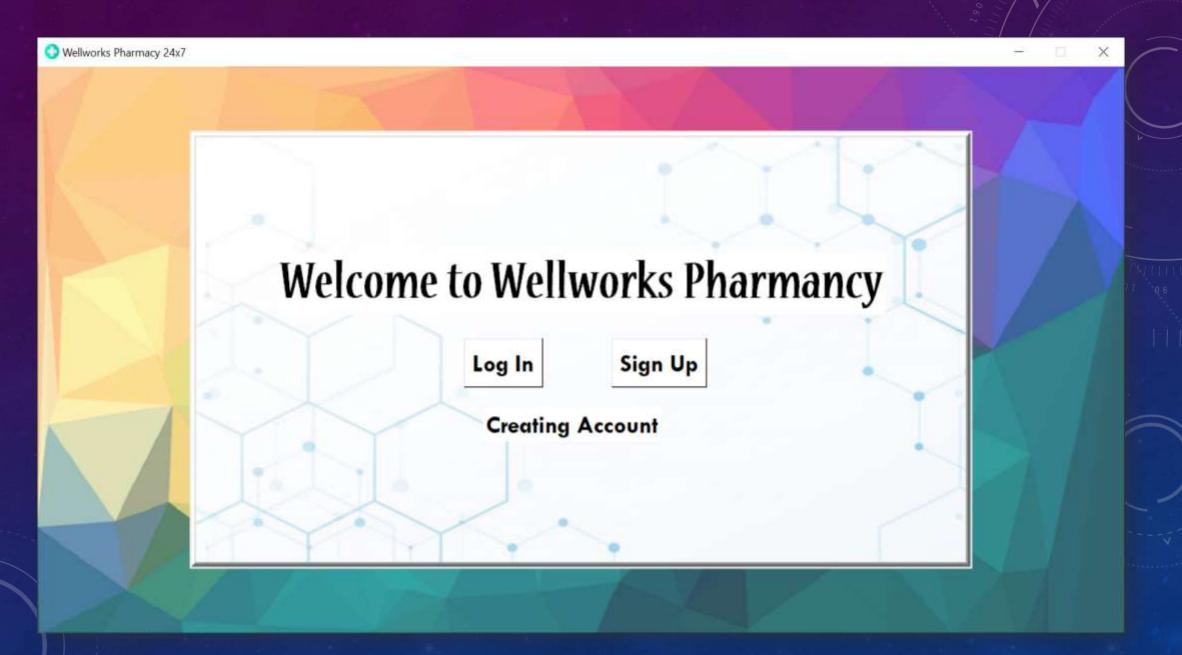


WELCOME PAGE

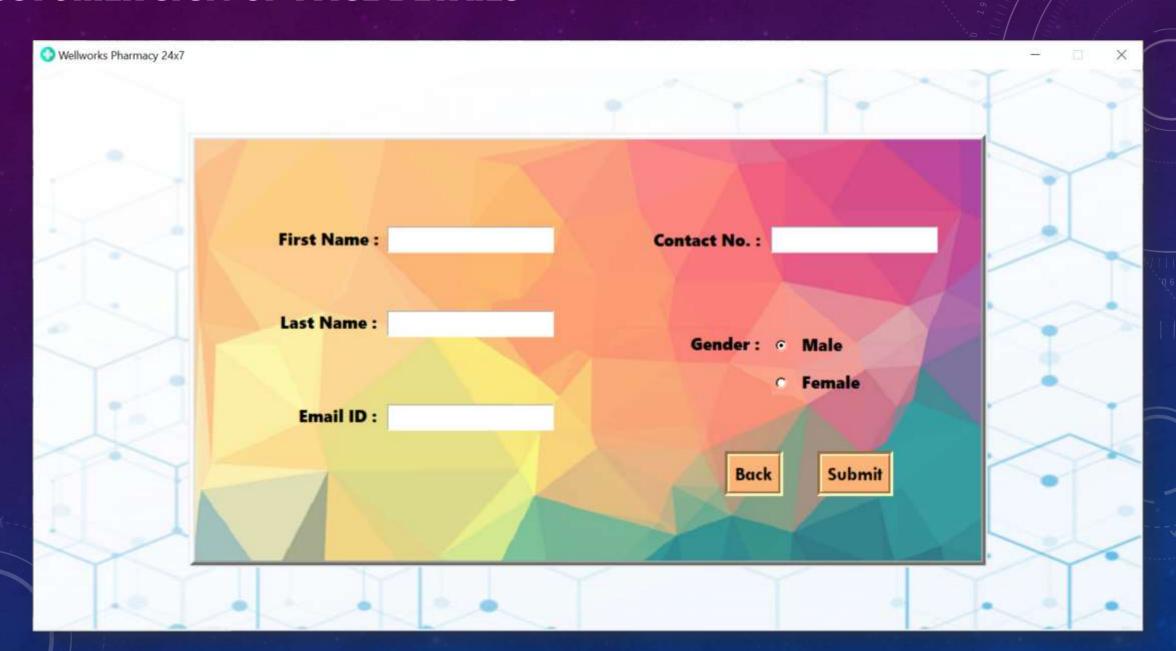




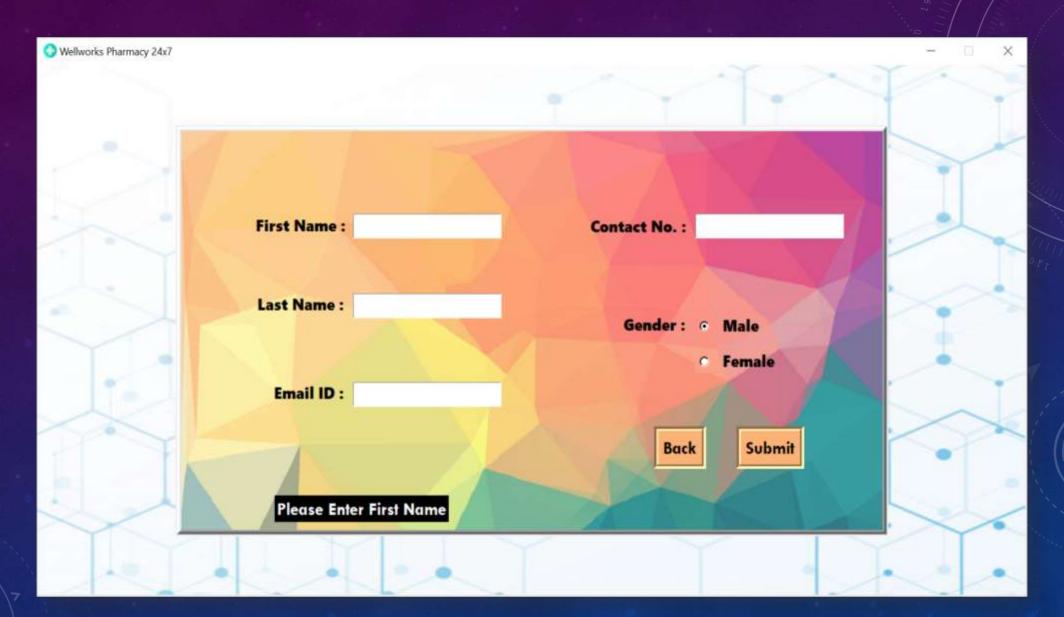
NEW CUSTOMER SIGNING UP



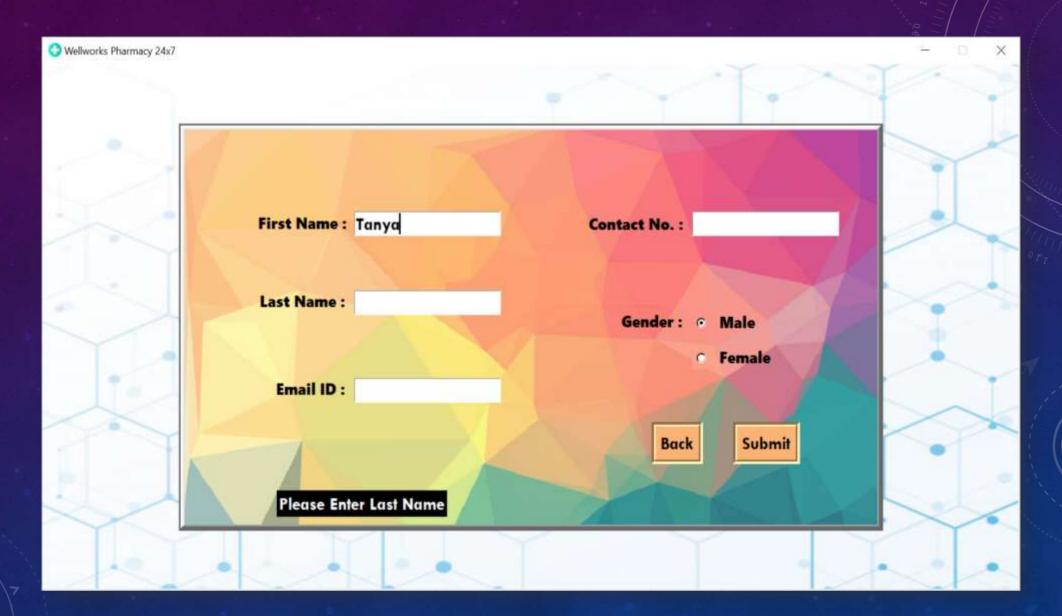
CUSTOMER SIGN UP PAGE DETAILS



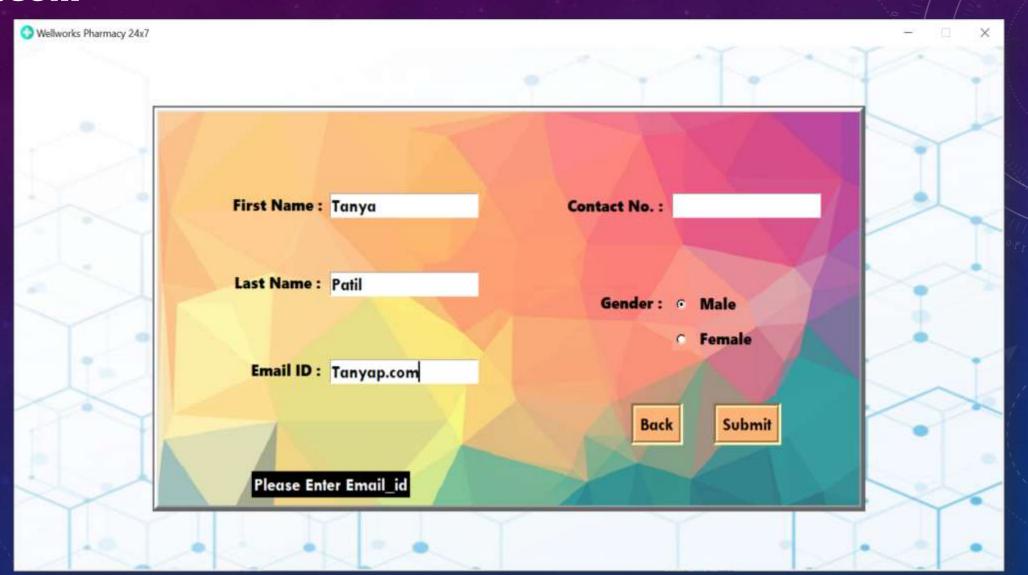
IF THE FIRST NAME IS EMPTY



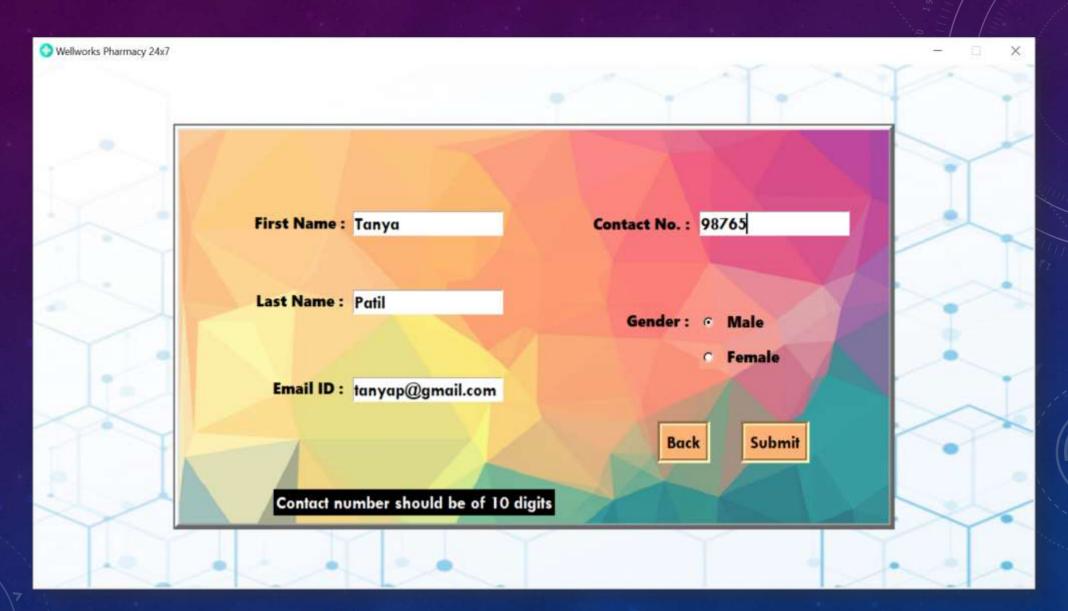
IF THE LAST NAME IS EMPTY



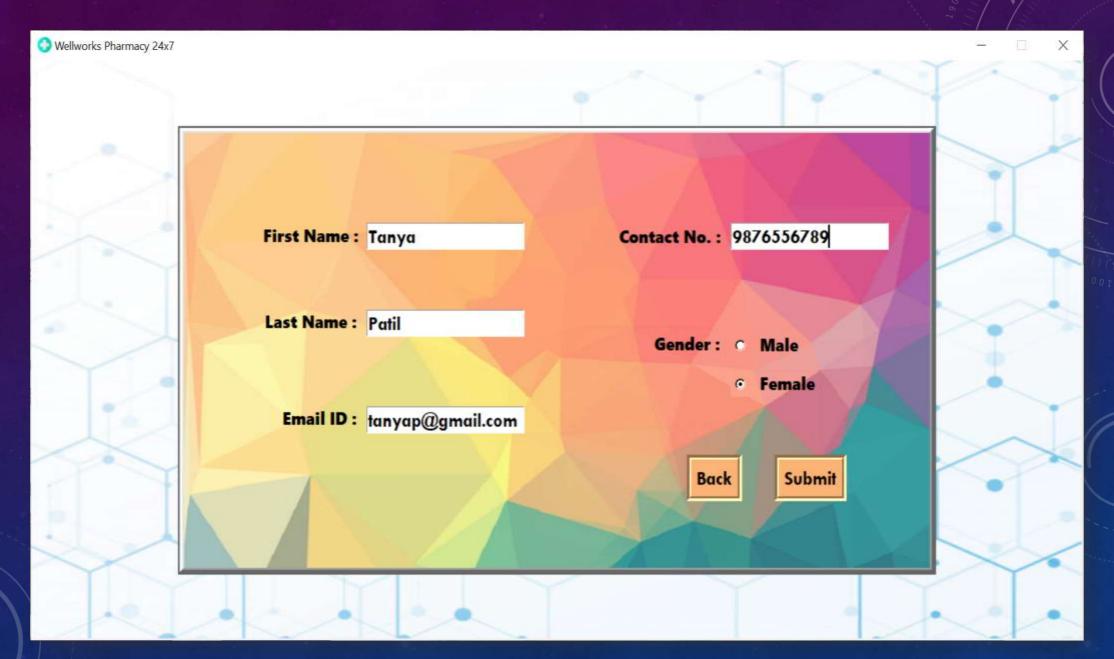
IF EMAIL IS EMPTY OR DOES NOT CONTAIN EXACT ONE "@" OR DOES NOT END WITH ".COM"



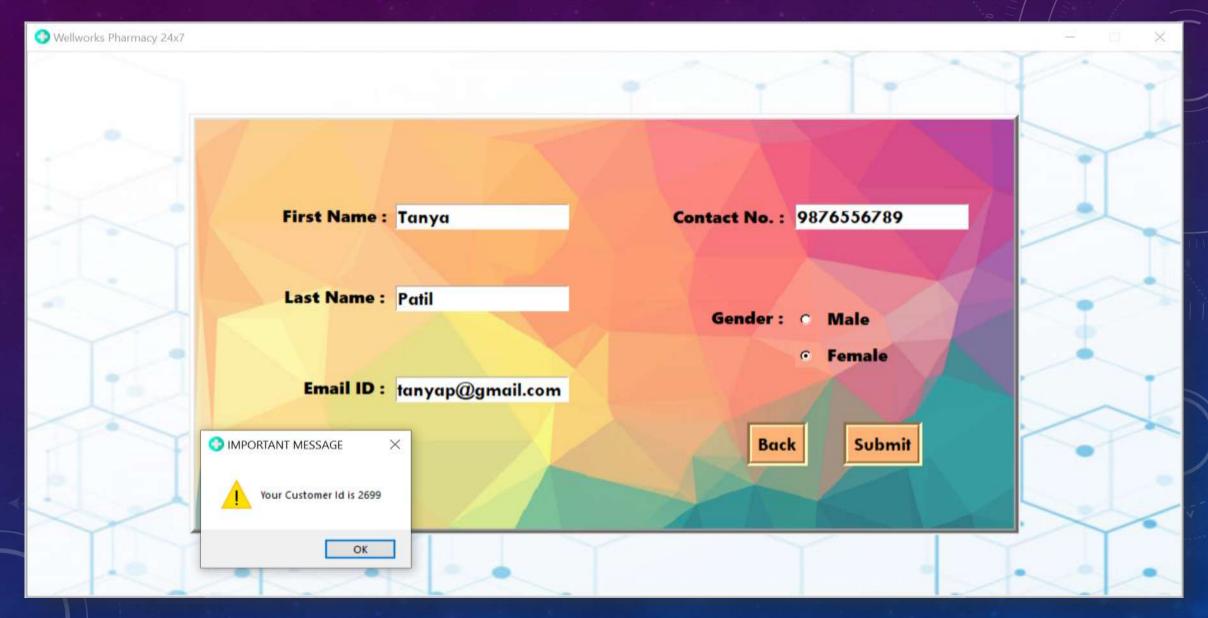
IF CONTACT NUMBER IS EMPTY OR DOES NOT HAVE EXACTLY 10 DIGITS



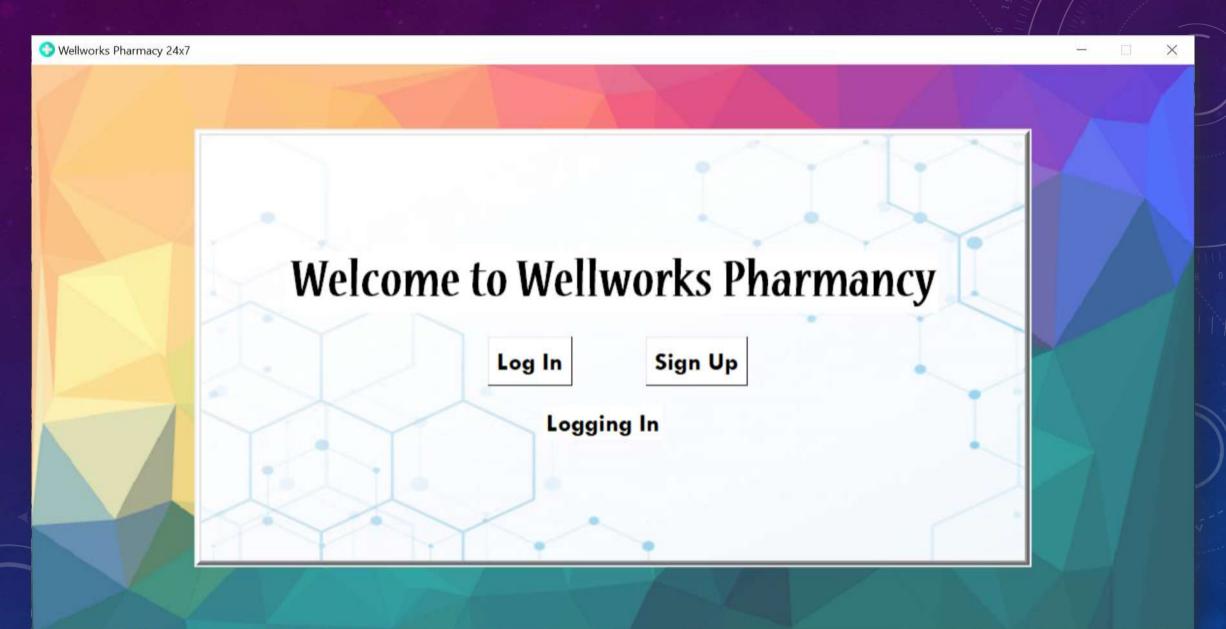
GENDER (MALE IS SELECTED AS DEFAULT)



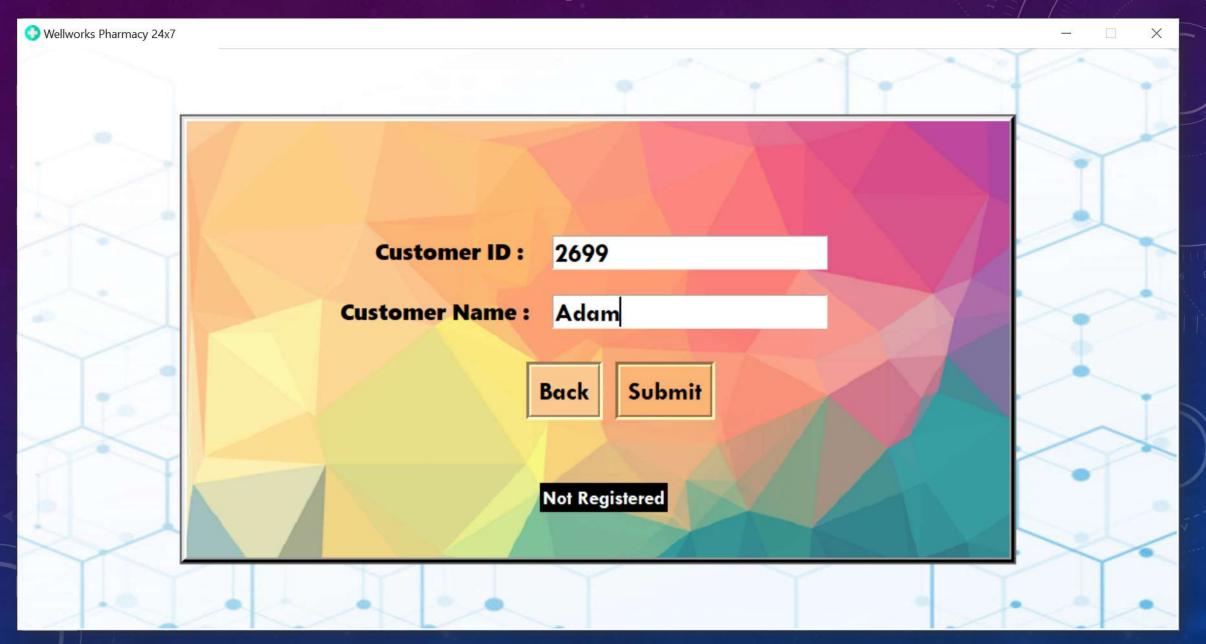
WHEN YOU CLICK SUBMIT BUTTON, DATA IS STORED IN THE DATABASE (MYSQL) AND A MESSAGE BOX POPS UP WITH A RANDOMLY GENERATED CUSTOMER ID.



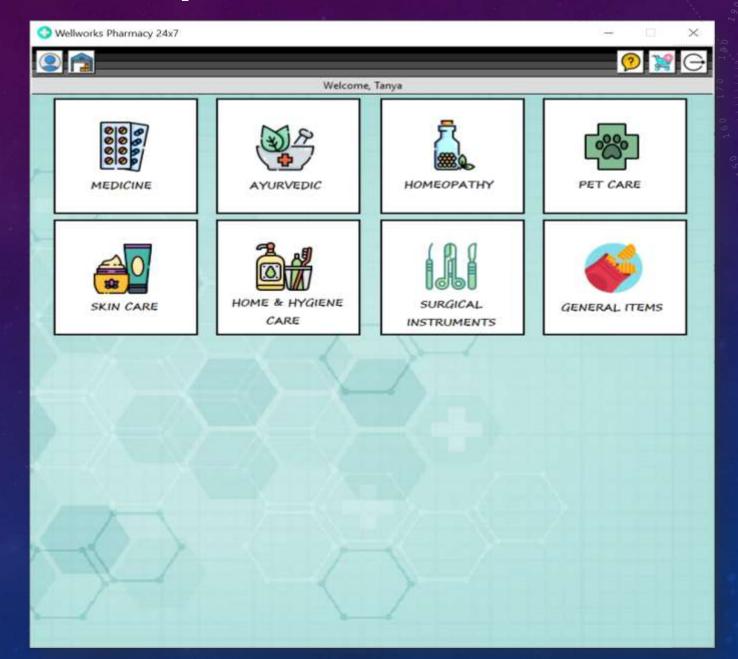
LOGGING IN



WHEN WRONG DETAILS ARE INPUTTED. (NAME WITH CUSTOMER ID : 2699 IS TANYA)



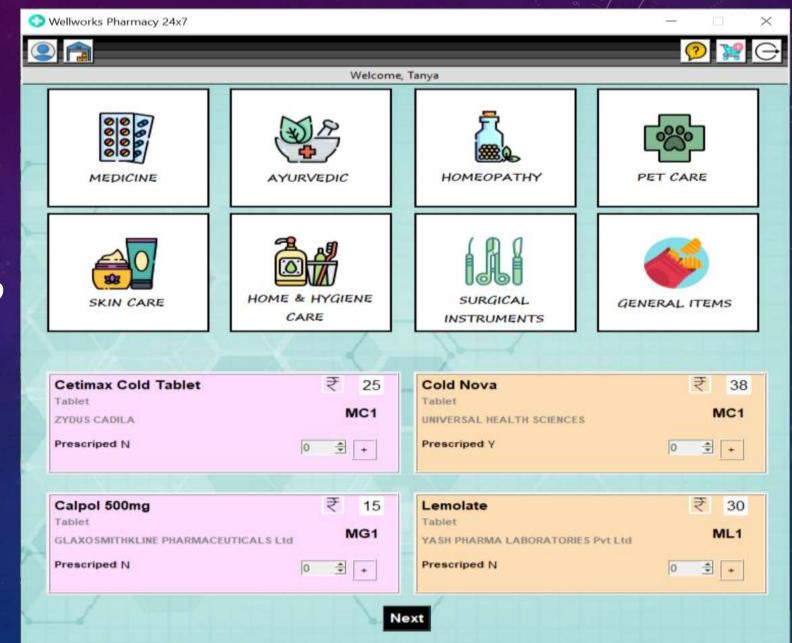
WHEN INPUTS ARE CORRECT, IT IS DIRECTED TO MAIN PAGE.

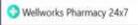


WHEN CLICKED ON MEDICINE ICON

ON CLICKING THE BUTTONS
SHOWN HERE, THE
CORRESPONDING ITEMS
APPEAR BELOW IN GROUPS OF
4, CLICKING NEXT WILL
REFRESH THE CANVAS AND
SHOW THE NEXT 4 ITEMS.
HERE MEDICINE IS CLICKED AND
THEIR DETAILS ARE SHOWN AS
AN EXAMPLE.

IF IN ANY CATEGORY THERE ARE ODD NUMBER OF PRODUCTS, THEN ON LAST PAGE ONLY THE REMAINING INFORMATION IS DISPLAYED, EMPTY BOXES ARE NOT CREATED.









Welcome, Tanya



MEDICINE



AYURVEDIC



HOMEOPATHY



PET CARE



SKIN CARE



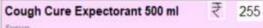
HOME & HYGIENE CARE



SURGICAL INSTRUMENTS



GENERAL ITEMS



Prescriped Y

Hapro Homeo-Chem (P) Ltd.

+

MC1

Malidens 500Mg

Tablet

Endocard India pvt limited

MC2

35

Prescriped V

Hindrishiayurveda Zero-tar Syrup

Syrup

Endocard India pvt Limited

Prescriped N



30

Electral Powder

Koye Pharmaceuticals Pvt Hd

Prescriped N





















MEDICINE



AYURVEDIC



HOMEOPATHY



PET CARE



SKIN CARE



HOME & HYGIENE CARE



SURGICAL INSTRUMENTS



Goestress Capsule

Koye Pharmaceuticals Pvt Itd

Prescriped Y



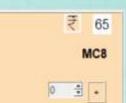
40

Endolac-Fort Capsule

Tablet

ZYDUS CADILA

Prescriped N



Becotrol Capsules

Tablet

ZYDUS CADILA

Prescriped N



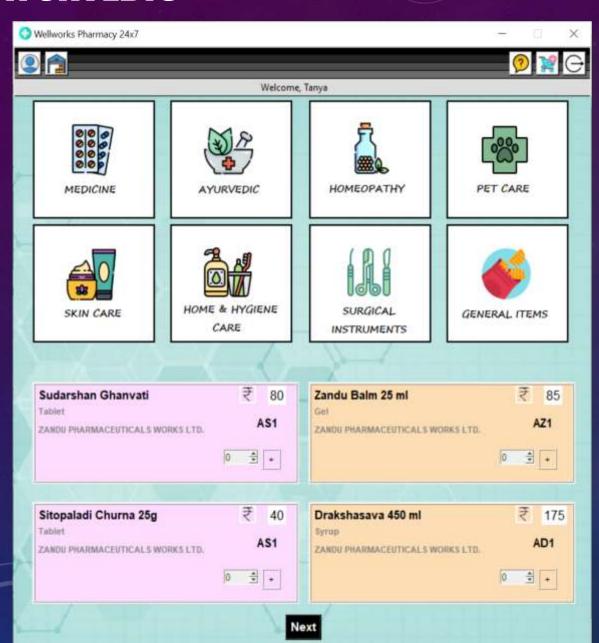
0 🛊 +

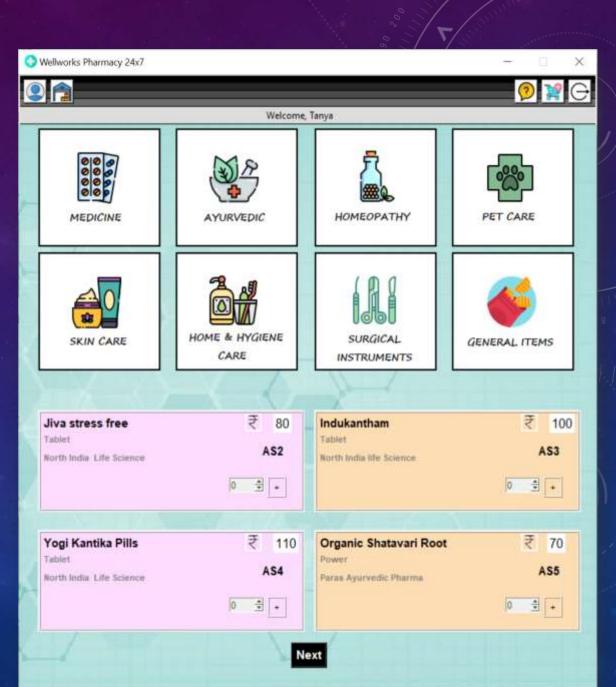




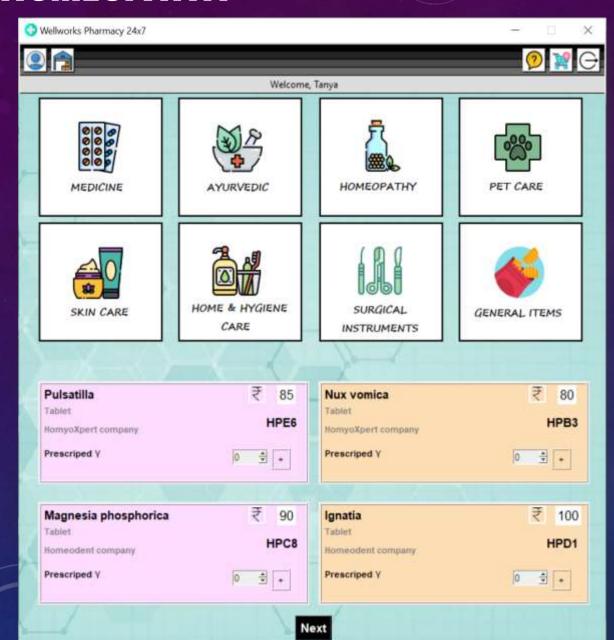
Next

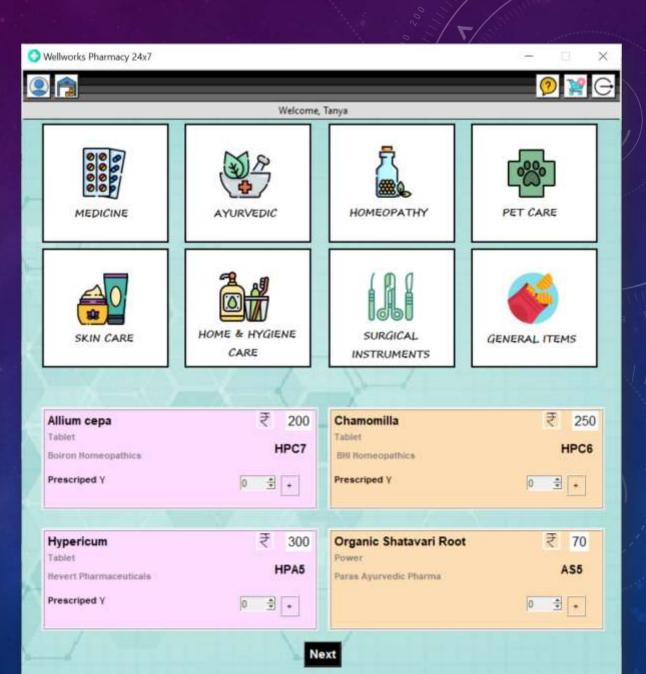
AYURVEDIC



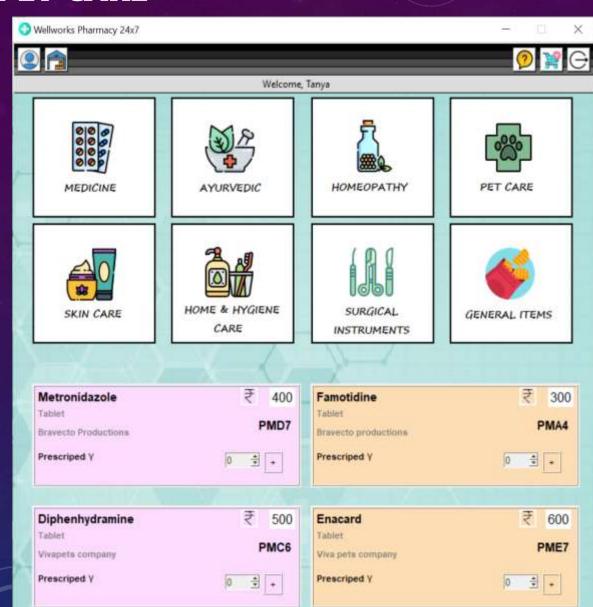


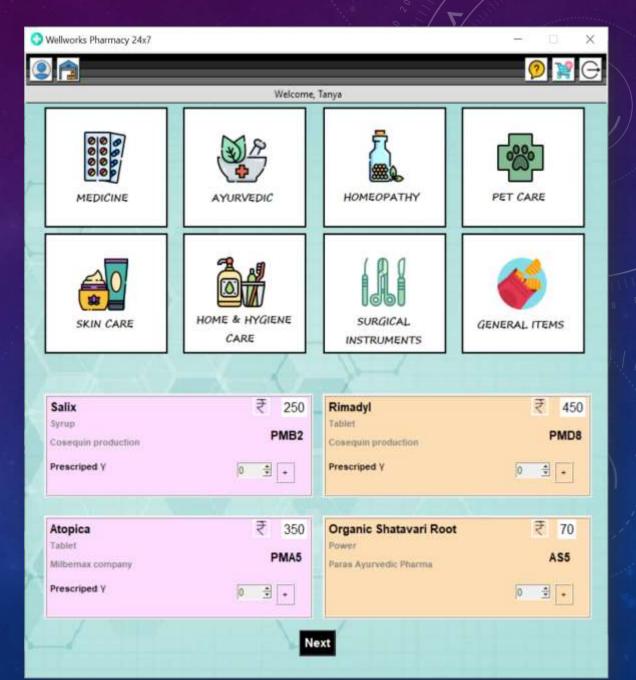
HOMEOPATHY



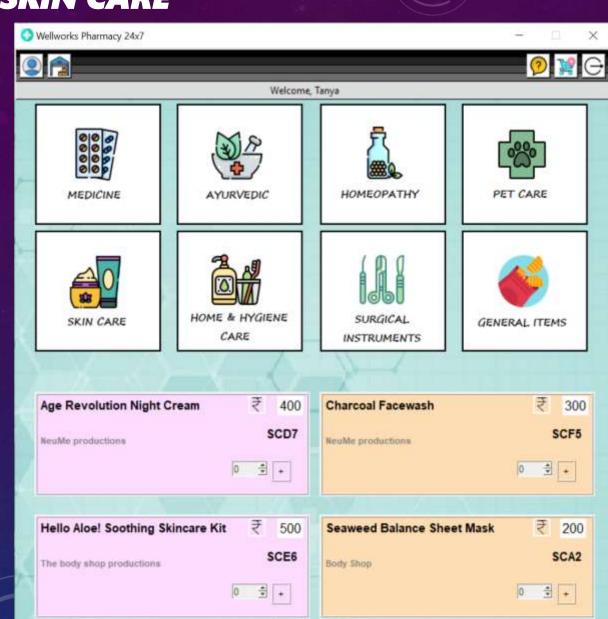


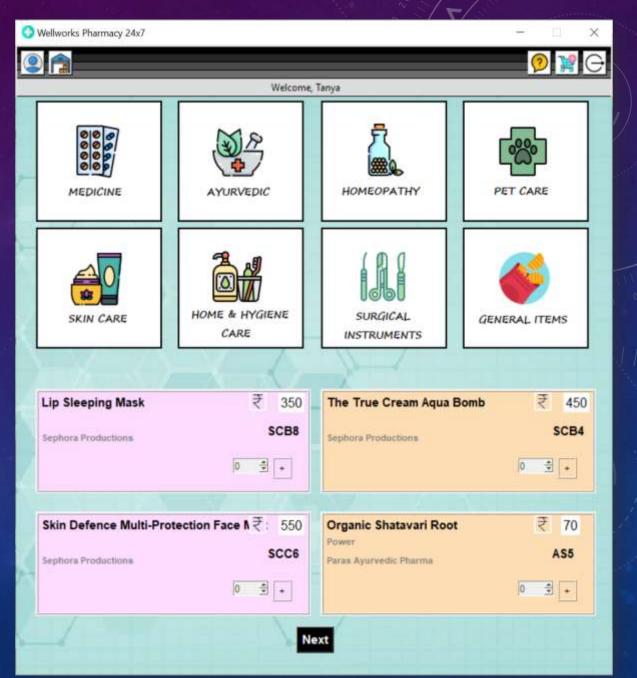
PET CARE





SKIN CARE



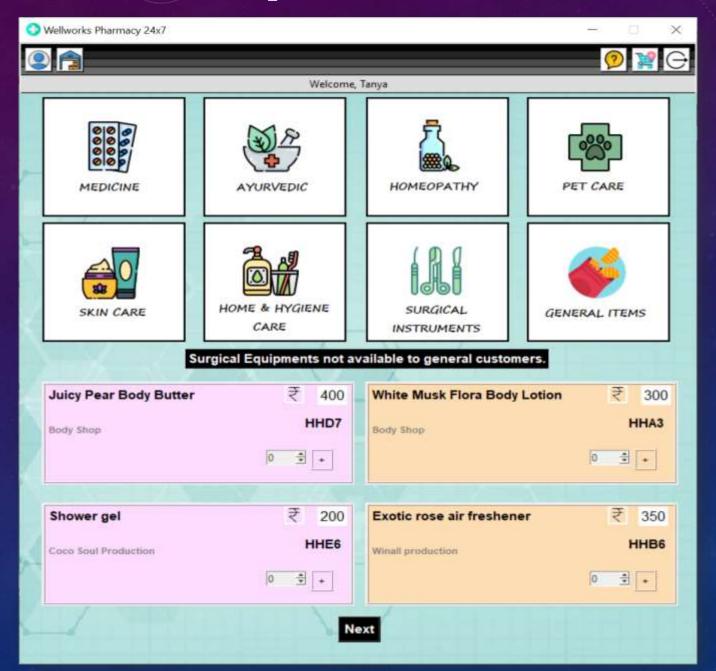


HOME & HYGIENE

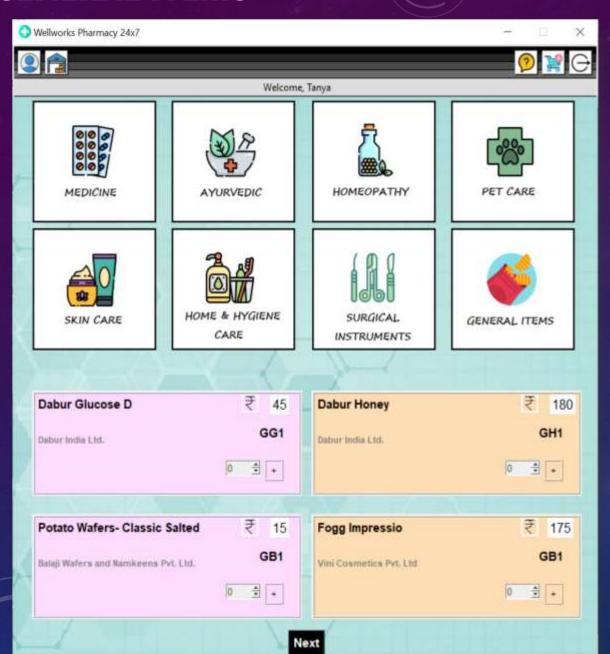




DENYING ACCESS TO SURGICAL EQUIPMENTS TO CUSTOMERS

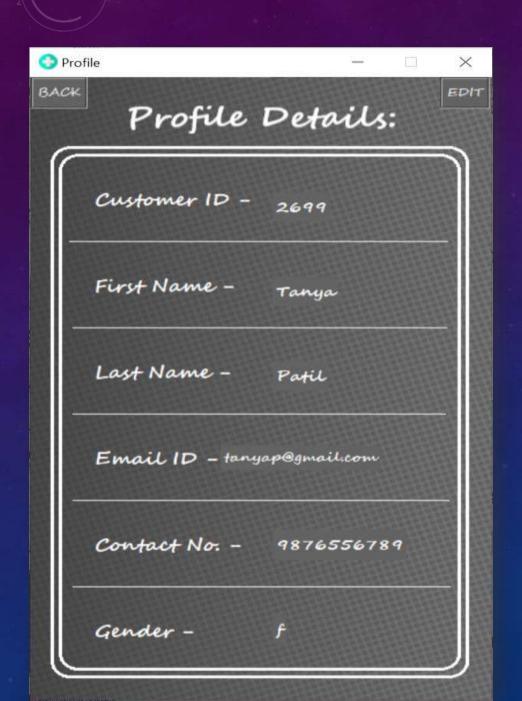


GENERAL ITEMS

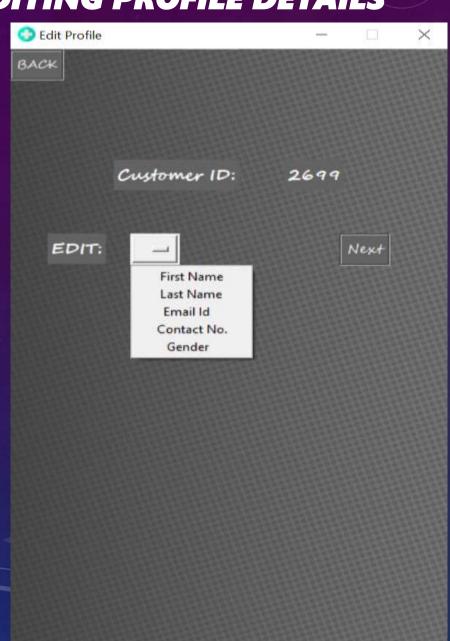




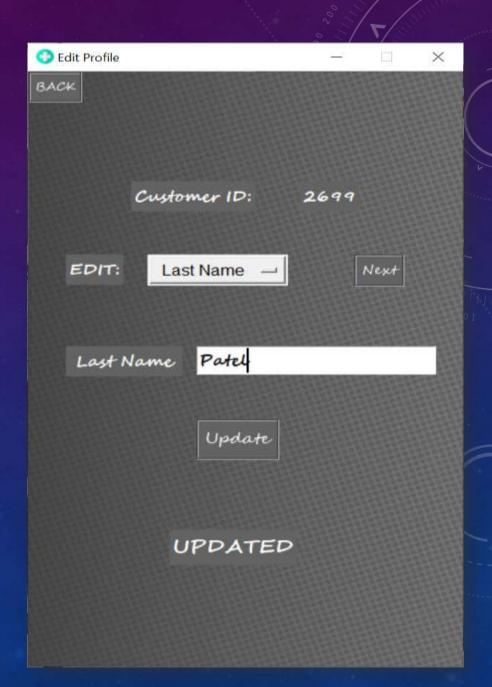
PROFILE DETAILS



EDITING PROFILE DETAILS



EDITING LAST NAME



UPDATION OF PROFILE DETAILS

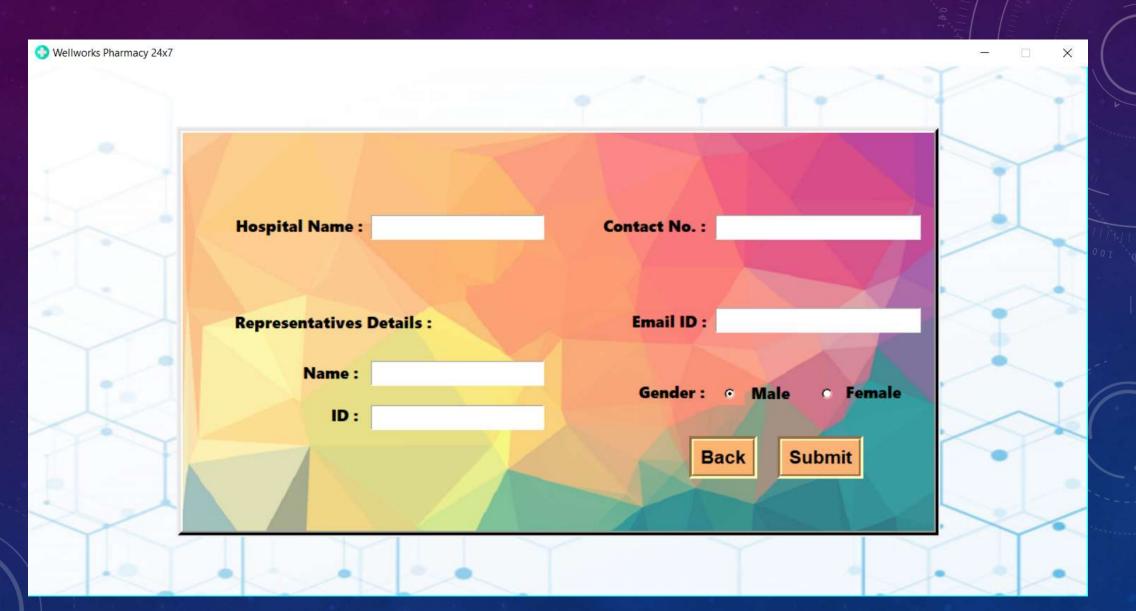




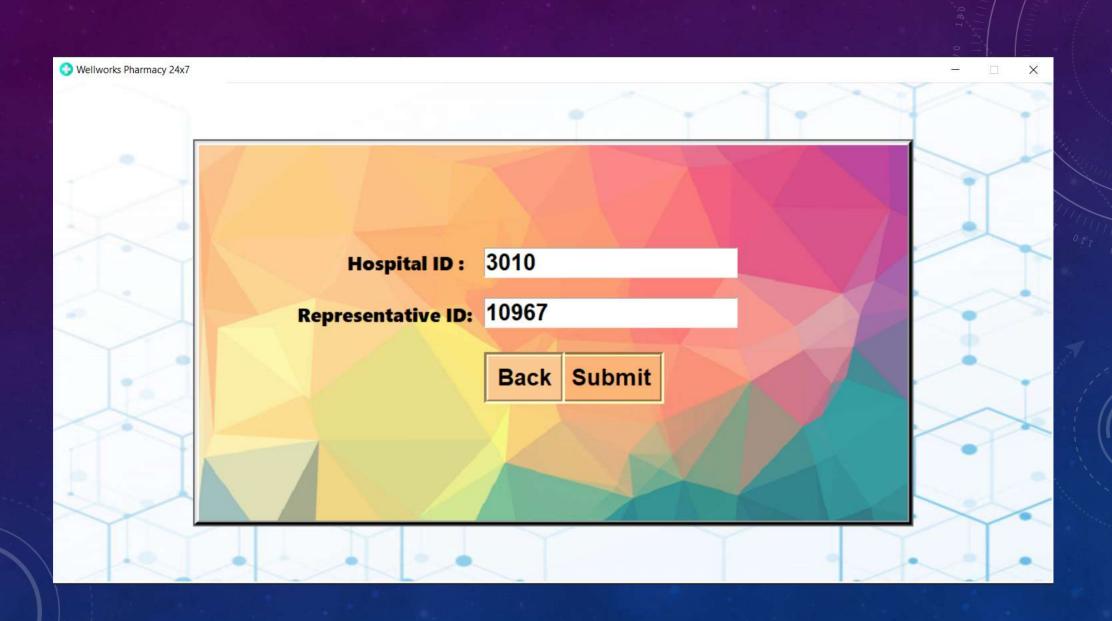




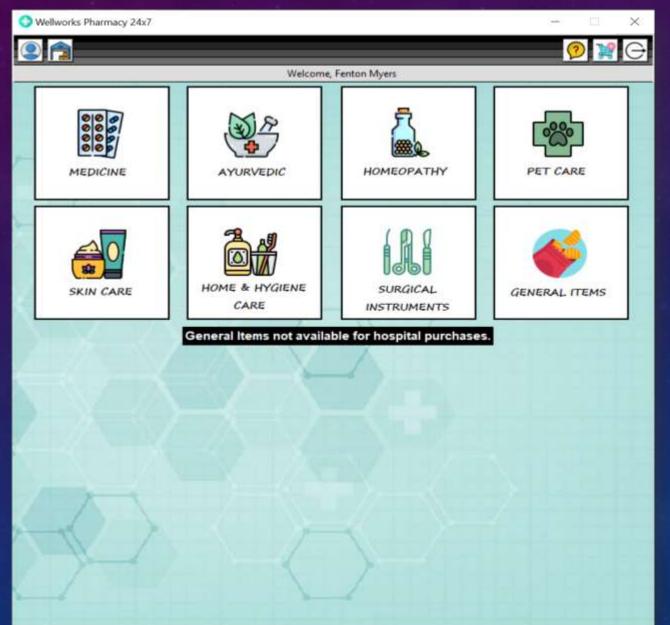
HOSPITAL SIGN UP PAGE DETAILS (CONTAINS ALL THE CONSTRAINTS LIKE IN IN CUSTOMER SIGN UP)



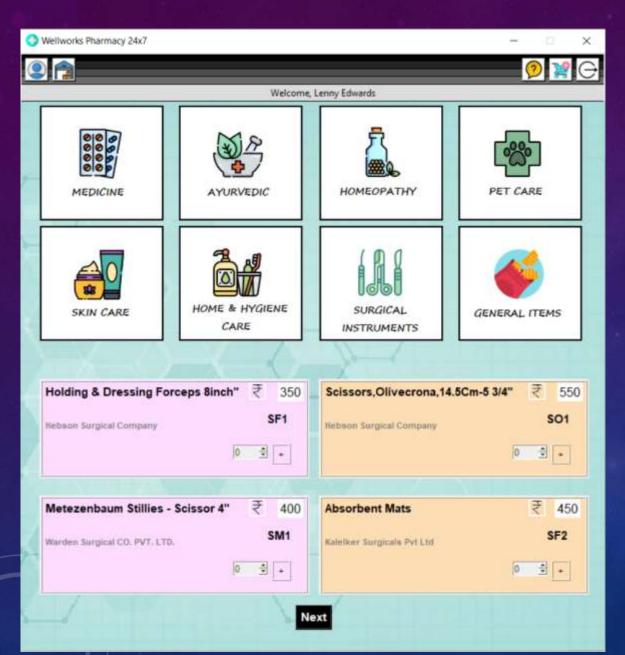
HOSPITAL LOG IN

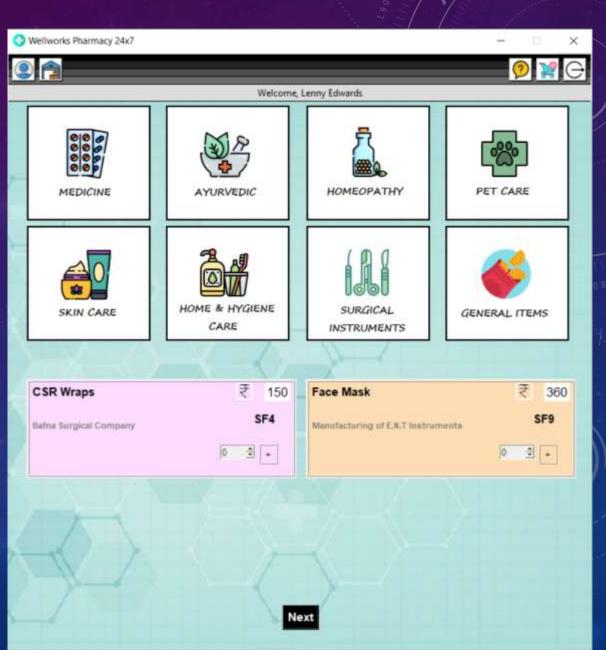


HOSPITAL HAVE ALL THE SAME FUNCTIONALITIES AS THE CUSTOMER EXECPT THE ACCESS TO GENERAL ITEMS.



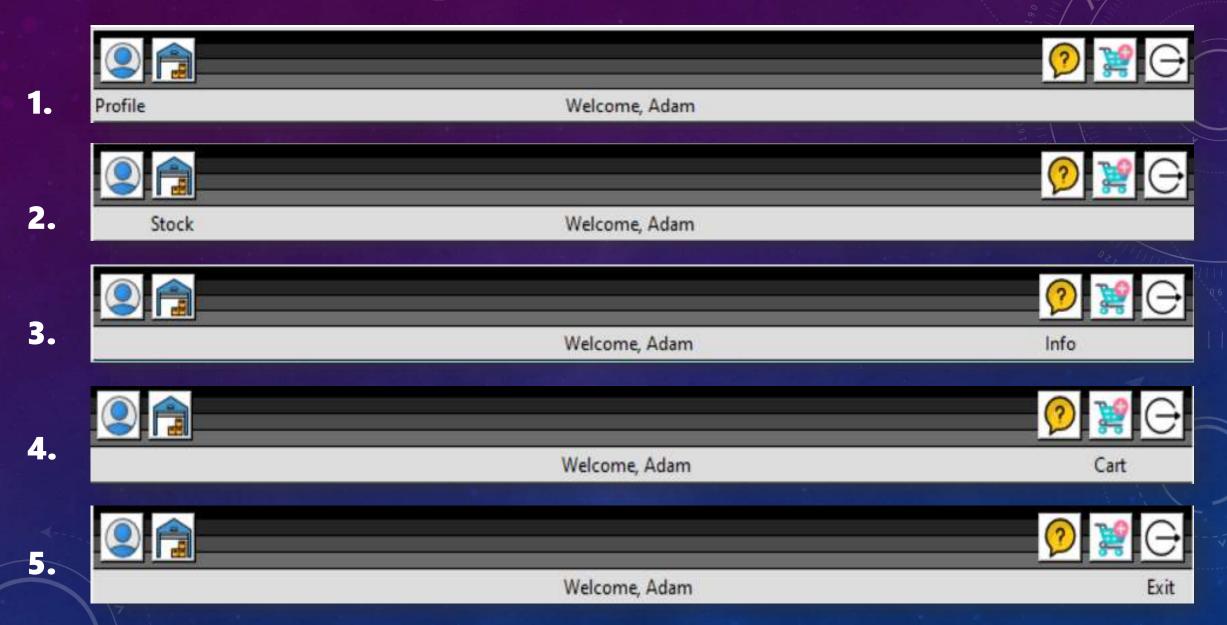
HOSPITAL HAS ACCESS TO SURGICAL EQUIPMENTS UNLIKE CUSTOMER







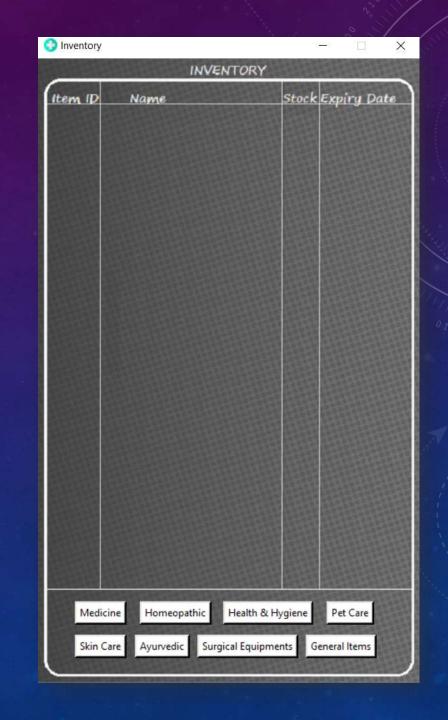
HOVER FEATURE



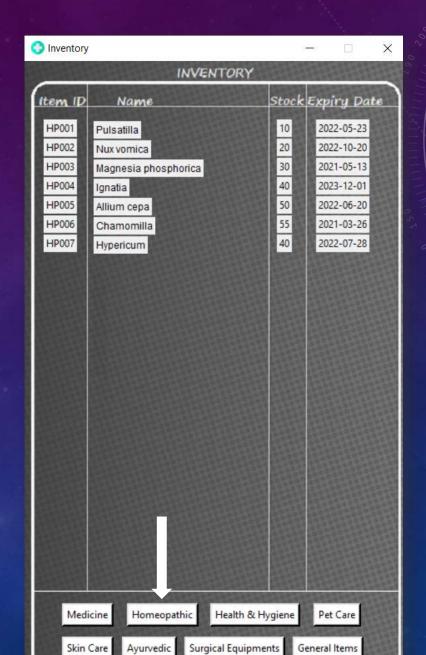
(1. PROFILE has being demonstrated in detail in the previous section.)

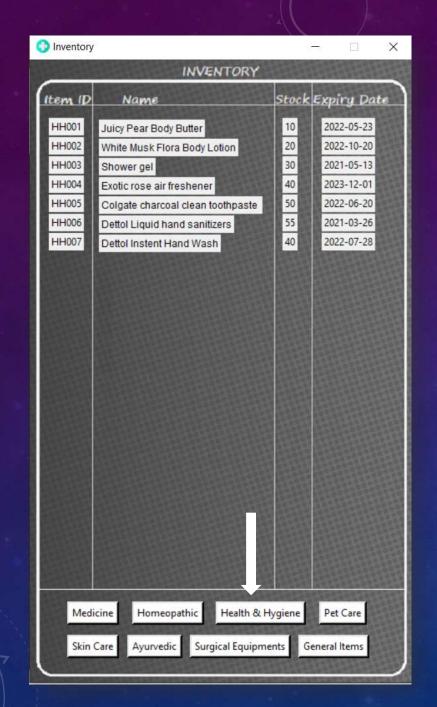
2.STOCK

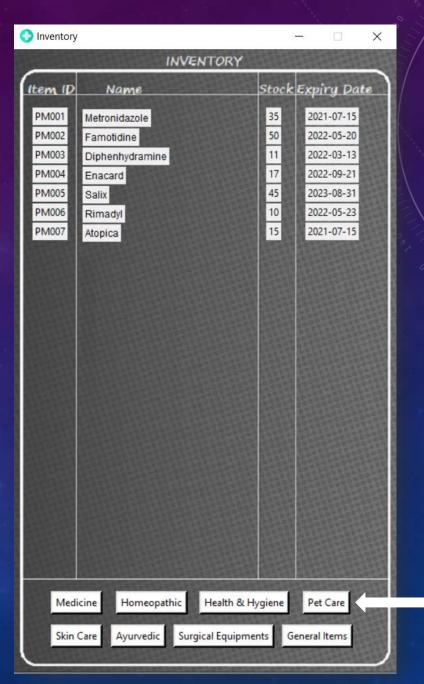
When Stock button is clicked, a new page opens with buttons of all categories at the bottom, which on being selected displays Item ID, name, available stock and its expiry date.

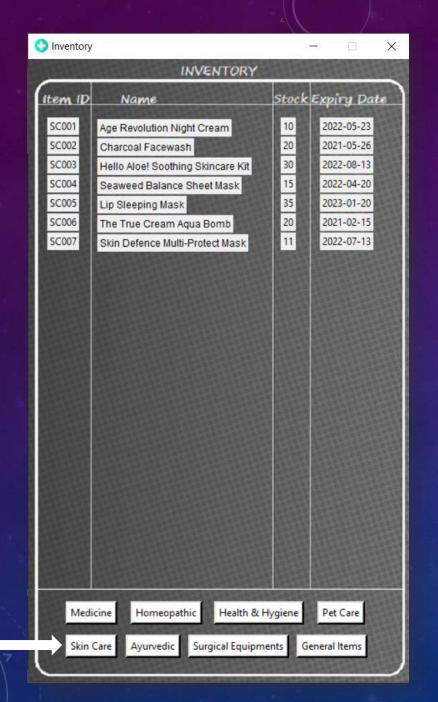




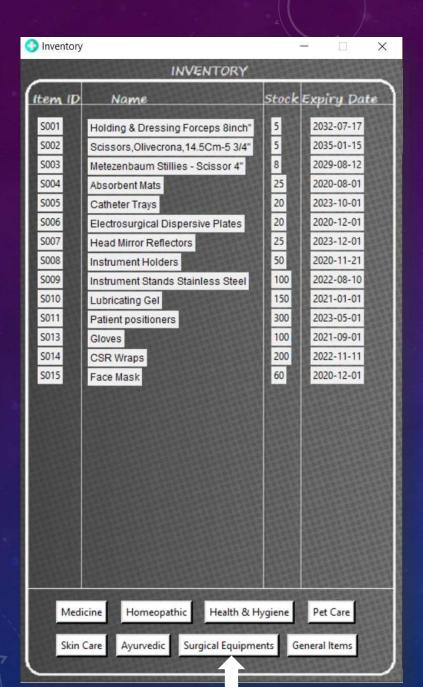


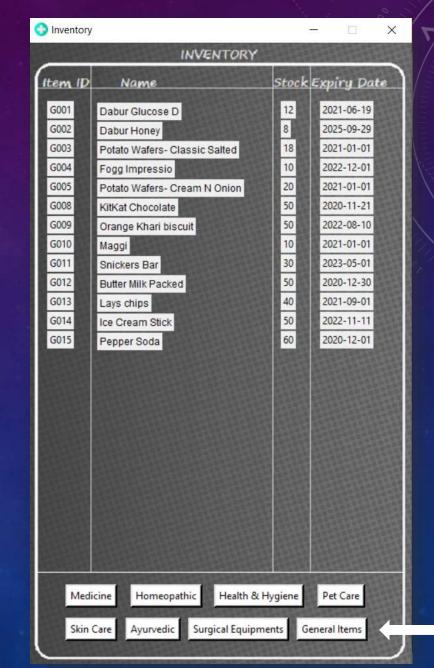












3.ABOUT US (INFO)

When About Us button is clicked, a brief explanation of the project and the details of the coordinators of the project is displayed.



About Us

This project is Pharmacy Management System

Project's combination involves Database Management System and Programming Language.

The front-end of this project is Graphical User Interface (GUI) executed using Tkinter and the database is connected and accessed using MySQL.

The aim was to design a software for a regular pharmacist sitting at a pharmacy counter.

The pharmacist uses this software to get the details and the reference of customers and hospitals which they provide services to. It is even used to keep a track of medical items such as medicines, sanitation items, etc.

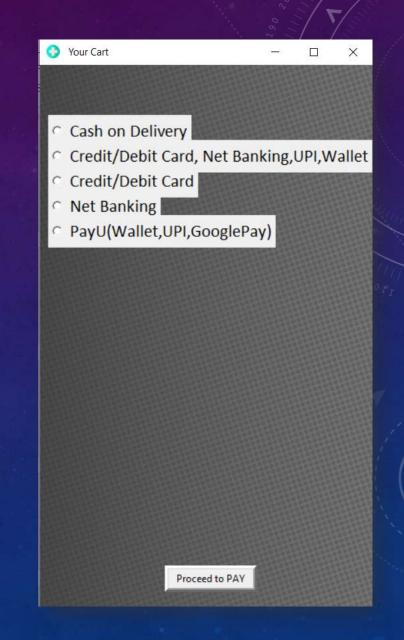
The status of all the medicines can be easily obtained through this software, i.e. if the medicine is in stock or not, the shelf number, whether it is in stock or not, if it is expired or not, etc. It is even used to keep a record of the purchased medicine and the respective amount.

The project is coordinated by-Jash Patel (E003) Dhruv Pathak (E008) Arushi Pathik (E009)

Thank You.

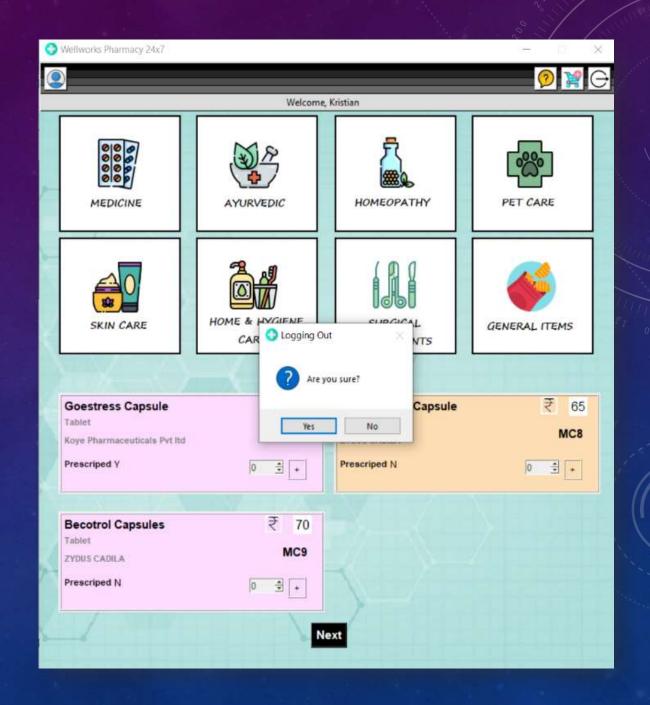
4.CART

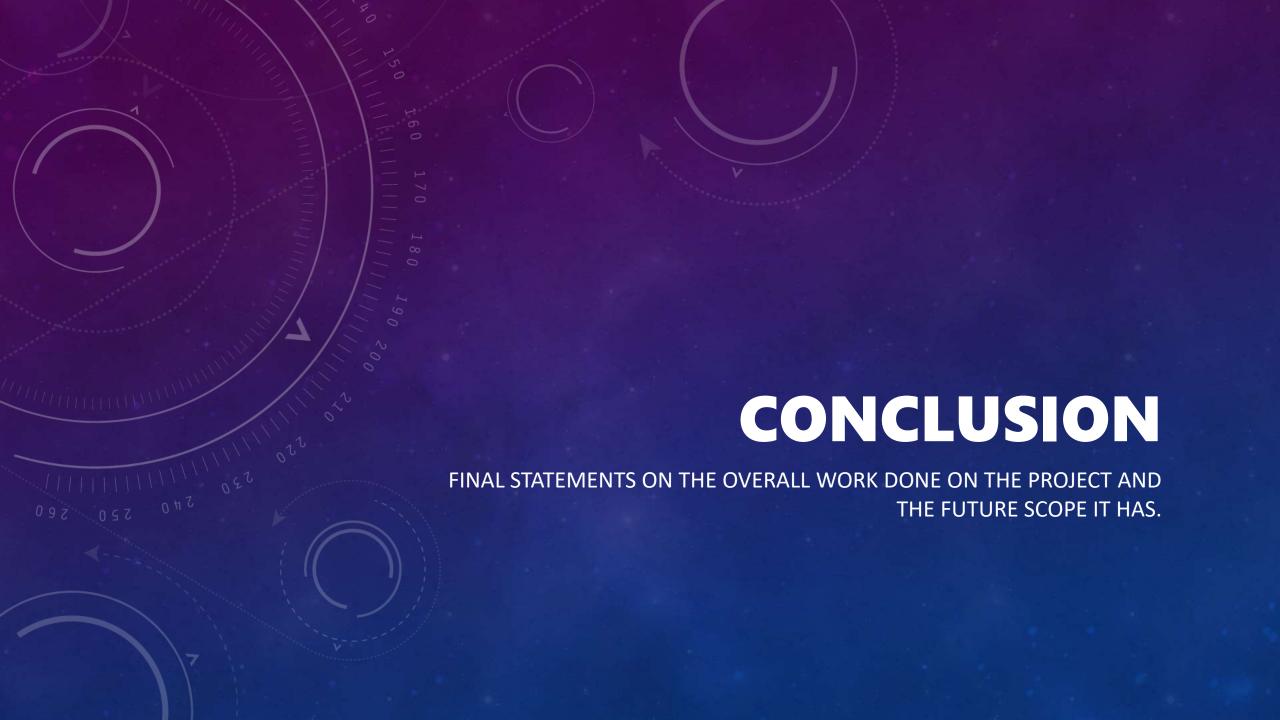
When Cart button is clicked, payment mode is displayed that leads to a thank you page after payment.



5.EXIT

When Log Out is clicked, a message box is displayed that asks for a confirmation to log out before exiting.





To conclude, we would like to state that we successfully implemented the idea that we had for a pharmacy database working. It was done on a smaller scale as compared to the real work applications and therefore it has a window of improvement where a larger database can be used.

- Future improvements can be the addition other categories of medication for example the addition of a special section for virus prevention products, physiotherapy products, dental products etc.
- The software works close to the real world and has an easy to understand UI for all types usage like pharmacies, hospitals, clinics etc.