

LAB MATE

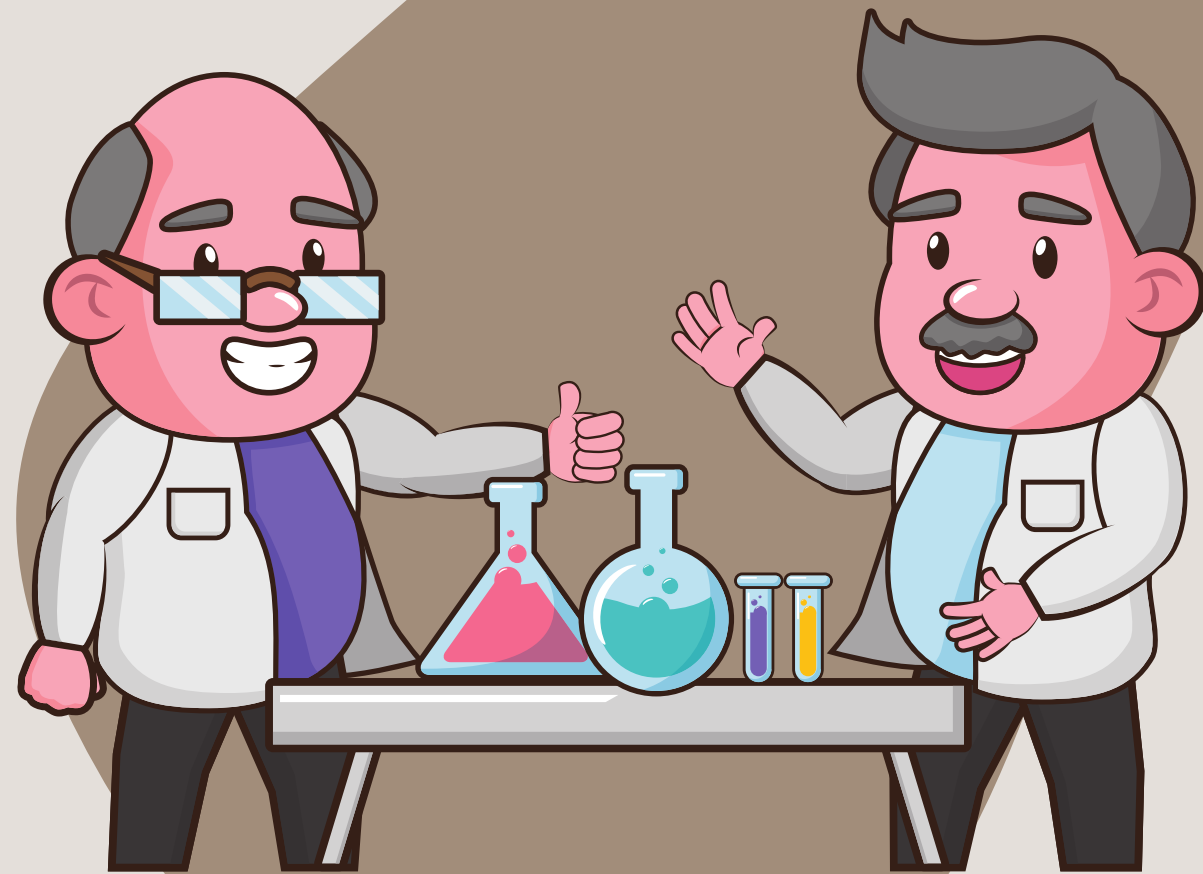
PRESENTATION

BY SAHIL BHATI WAL



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INTRO

Introduction

Welcome to Labmate^π, a simple inventory management system built entirely using language C.

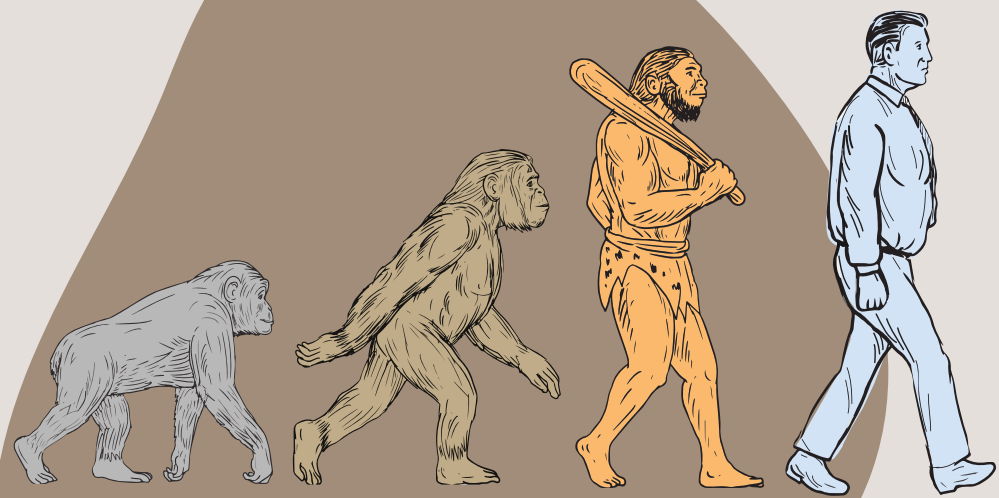


ABOUT US

This is sahil bhatiwal, a 3rd year B.tech (CSE) student at chitkara university.

STORY

About Us



I have visited laboratories a lot of time and have noticed that the face problem of chemical (required to perform tests) which results in delaying of test reports and also they used to store all the details of the patients on a normal note book making it difficult to find patients details.

A hand is shown drawing a lightbulb on a yellow, textured background. The lightbulb is blue with a yellow base and has several short lines radiating from it to represent light. The text 'THE PLAN' is written in large, bold, black letters below the drawing.

THE PLAN

VISION

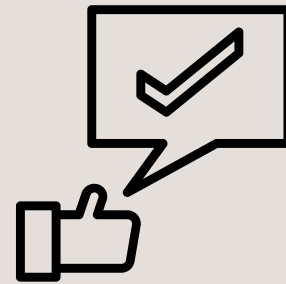
The vision is to make a software which will help the pathologists to maintain there records of chemical and reports effortlessly.

MISSION

So, I have decided to create a minimal command line based inventory management system which is capable of doing all necessary tasks (mentioned in features) .

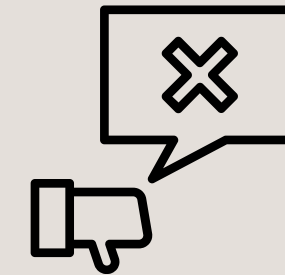
SOFTWARE ANALYSIS

STRENGTHS



- Add custom medical test.
- Add chemicals.
- Check chemical stock left in inventory
- Check chemical required in pre-added tests
- Low apparatus Warning. ⚠
- End of day tests report.

WEAKNESSES



- It is a command line based software
- Don't contains Advance features.
-

LEARNING OBJECTIVES

This project will help me to increase overall grip over the C language Specially in topics like :-

- Structures
- File handling
- Pointers etc

Which i guess are a bit tricky to learn and understand.

Also to take my learning even further i made my whole project in Linux operating system using vim editor which helped me a lot about linux and an editor like vim.

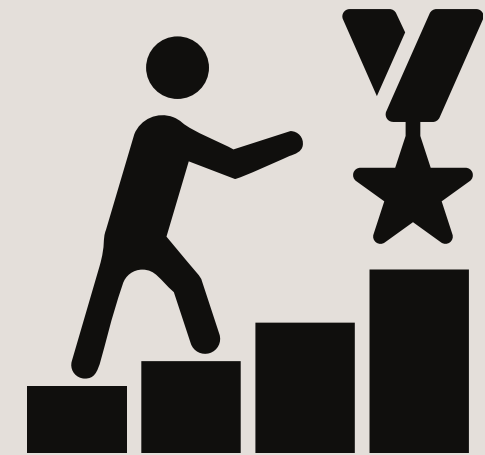


☒ ***SKILLS REQUIRED:***



1. Programming with
2. Data structures algorithms in C
3. File handling in C...

GOALS ASSOCIATED:-



My main aims behind implementing this project are:

- Try implementing a projet in c for better understanding of the language.
- Getting comfortable with making projects in the language by trying resolve the issue faced during creation of project.
- Try to figure out a solution to a practicle problem statement using programming.

HOW IT WORKS:

Using Labmate is easy and self explainable, user can understand just by viewing them and can be :

- When you run Labmate Main menu appears, Displaying all the options available.
- After deciding what you want to perform just enter the input as asked.
- When you are done with your it will ask to press any key to proceed and press 0 to exit the program.

```
C:\WINDOWS\System32\cmd.exe - test
Microsoft Windows [Version 10.0.22000.184]
(c) Microsoft Corporation. All rights reserved.

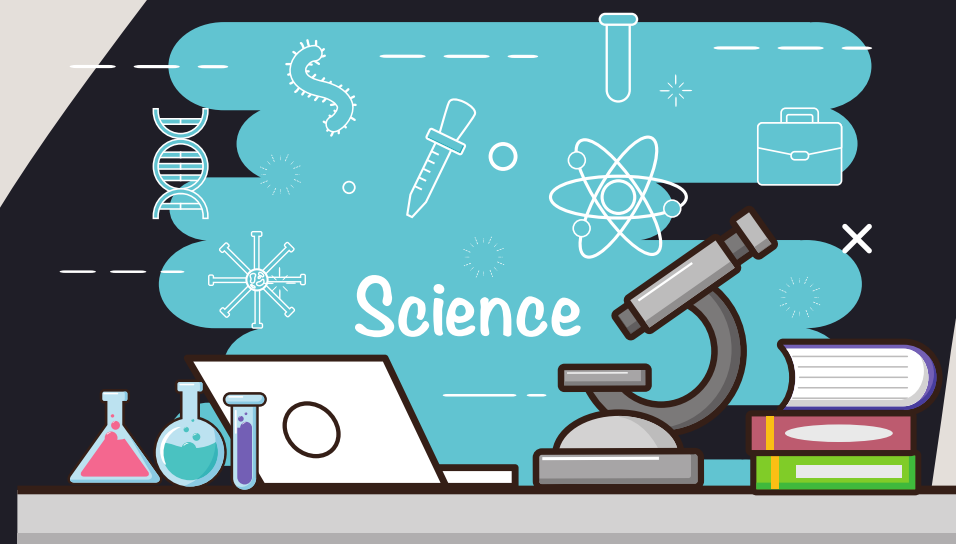
D:\Inventory management system>test
Hello Welcome!!! To ....LABMATE.....Main Menu:
1. Add Test
2. Add chemical
3. Display Test
4. Display chemicals
5. Perform Test
6. Restock
0. Exit
Enter Your Choice => _
```

```
C:\WINDOWS\System32\cmd.exe - test
Enter the chemical details :
Enter chemical name: c1
Enter chemical quantity: 10

Press any key to go to main menu.....
```

```
C:\WINDOWS\System32\cmd.exe - test
Enter the test details:
Enter the Test Name: sugar
Enter Number Of Chemical (n_o_c) required: 2
Enter Name of chemicals:
Chemical 1 : c1
Enter the quantity required (in units) of the chemical in the test: 2
Chemical 2 : c2
Enter the quantity required (in units) of the chemical in the test: 2
Enter the cost of Test: 40

Press any key to go to main menu....._
```



REAL LIFE APPLICATION

This project can be used in:

- Private laboratories x
- Hospital x



**CONTACT
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THANK YOU....