



FEASOMED

PROJECT REPORT



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ACKNOWLEDGEMENT

The credit for the successful completion of this project work goes beyond our own work, to those people who have always been with us throughout. And we take this opportunity to express our heartfelt gratitude to each one of them.

We express our sincere thanks to our Mentor Dr. Sarabjeet Singh of for his valuable suggestions and providing guidance throughout the project, that enabled us to complete this project successfully.

ABSTRACT

The main aim of our project is to provide a feasible method to all the rural hospitals to order the required products for the smooth functioning of the hospitals.

This project is intended to generate a supply chain which is easy to manage for everybody associated with it.

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1.INTRODUCTION

The "FEASOMED" is our substitute to the present supply chain system which is very cumbersome. The targeted audience are the hospitals in the rural areas. It is hard in the present system to get the necessary equipment and the medicines needed for the hospitals i.e, they have to go through a very long procedure in order to get them which is not good for the healthy working of the hospital.

In our system, we have designed a portal for everybody at every level to order and procure the goods. We have divided the chain in 4 stages and at every stage one can order the goods, check their status and receive the products.

2. SYSTEM ANALYSIS

2.1 EXISTING SYSTEM

Currently there is no such system available for this. The hospital itself has to call the CMO office and they then call the health ministry to give the necessary products.

2.2 PROPOSED SYSTEM

2.2.1 SCOPE OF THE PROJECT

THE MAIN AIM OF THE PRODUCT IS: -

- To make the ordering process easier for the hospitals and any user for that matter.
- To make the medicines and equipment easily available to the hospitals.
- This is a generic supply chain portal which can be used for any product and any user.
- This software has a very broad scope in the field of supply chain programs/systems.

3. AIM OF THE PROJECT

This project is aimed to provide a tool for easy procurement of the goods and so that the supply chain is not disturbed.

The main aim of the project in hand is to provide an improved, faster and instant approach to order the equipment and medicines so that a lot of lives could be saved even in the remote areas.

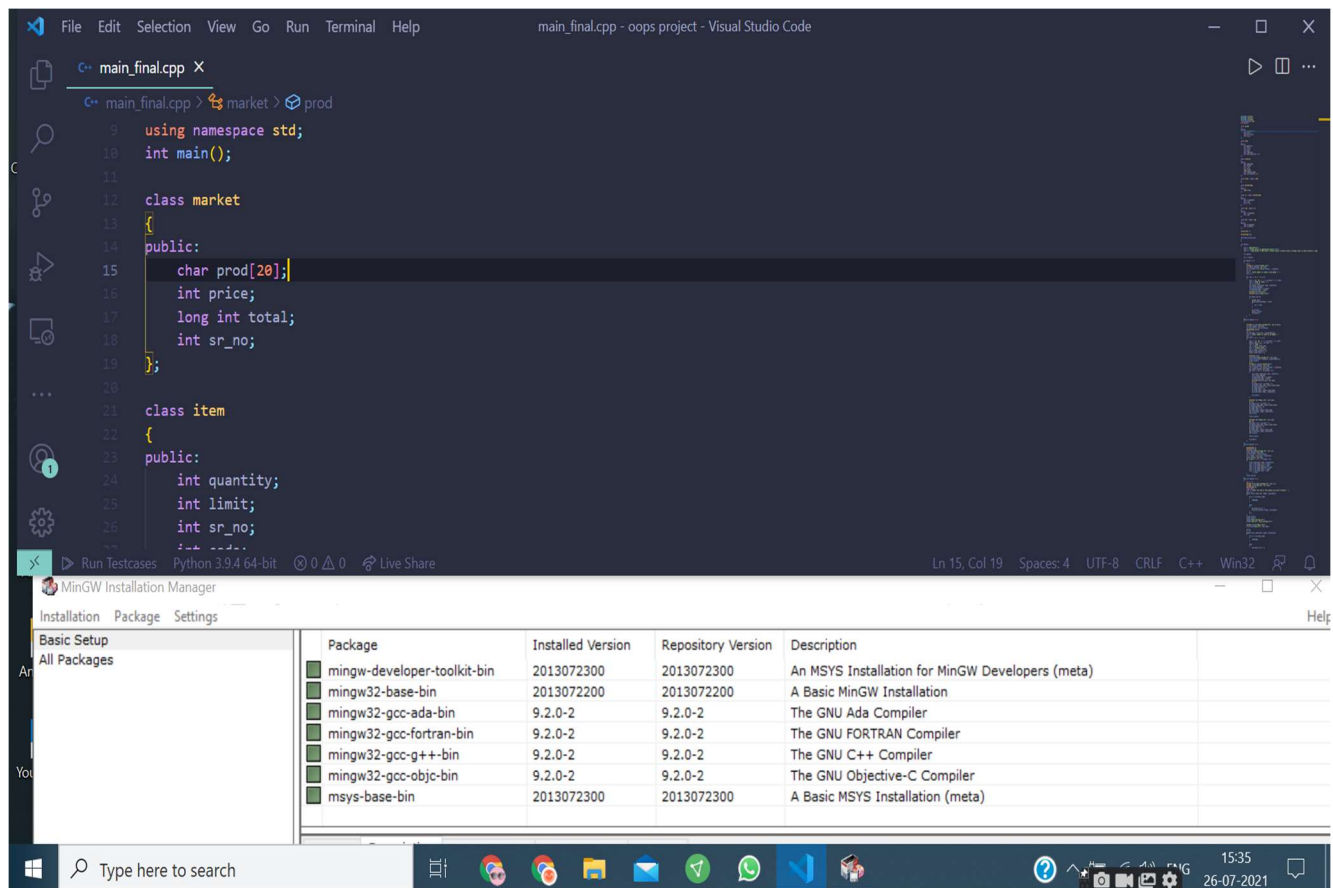
4. PROJECT MODULES

The project has been slashed into many small modules to run effectively, easy to understand and debug. Some of the modules are the main/central storage unit, state storage unit, regional storage unit, hospital's storage and to manage them all we have the admin.

5. COMPILER SPECIFICATION

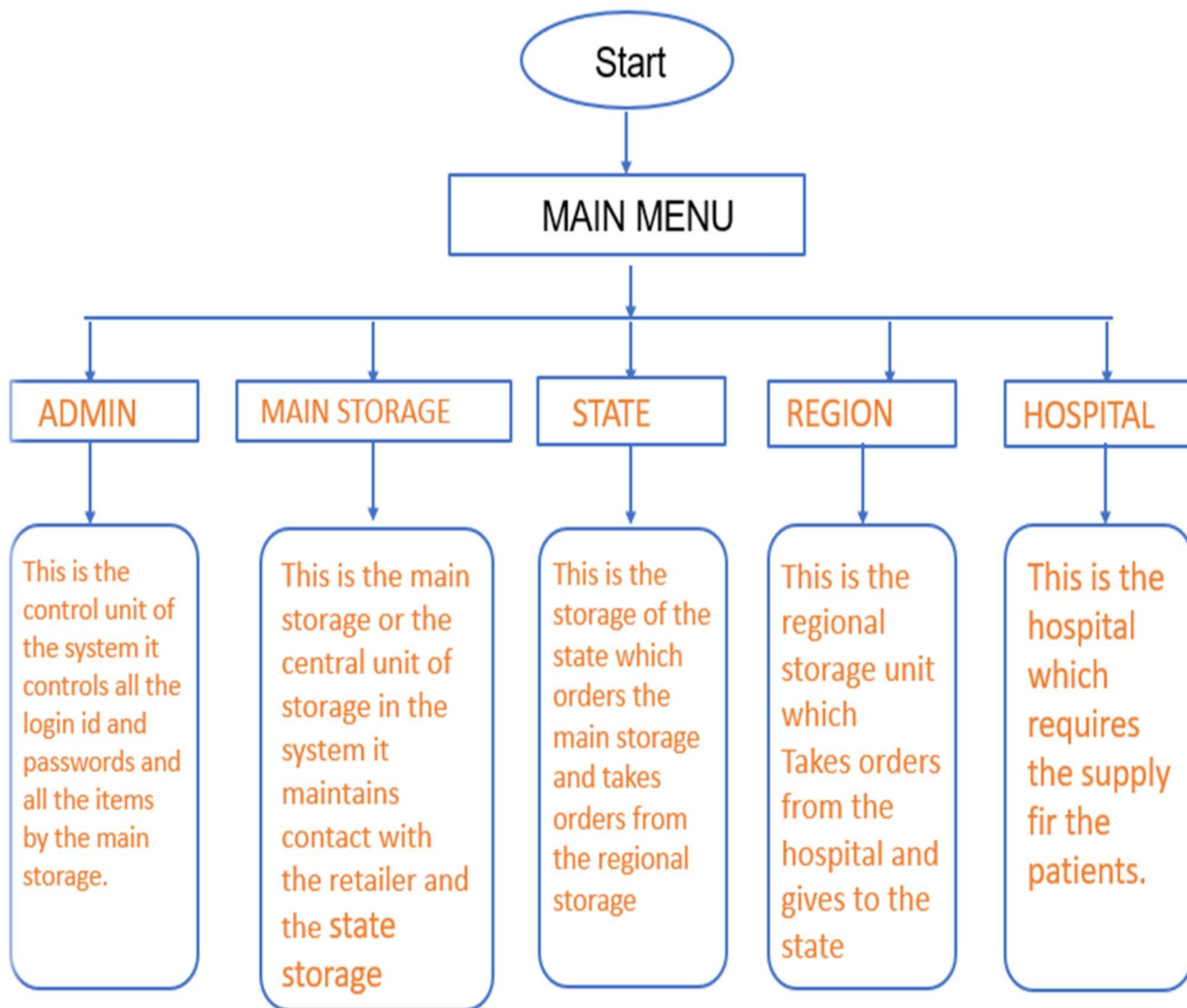
To design this program, we have used mingw as the compiler. Visual Studio Code as the code editor. Some standard header files are used for building of the program.

The visual presentation is managed in simpler way, so that it is accessible to all people. This program uses features like file handling in C++. Also, we have used concepts of Object-Oriented Programming so that only the required functions are visible to the user and not the backend features.



6. SYSTEM DESIGN

6.1 FLOW CHARTS



7. SYSTEM IMPLEMENTATION

The program has been designed by making use of different modules and these modules help each other in the effective working of the program to give a specified result.

7.1 MODULAR DESCRIPTION

The project has been slashed into many small modules to run effectively, easy to understand and debug. Some important modules used in the project are:

- ADMIN (CONTROL UNIT)
- HOME MODULE (MAIN MENU)
- MAIN STORAGE
- STATE STORAGE
- REGIONAL STORAGE
- HOSPITAL STORAGE (GENERIC ==> RETAIL STORAGE)

Home Module: This module gives the information about the different tabs that are being used In the program.

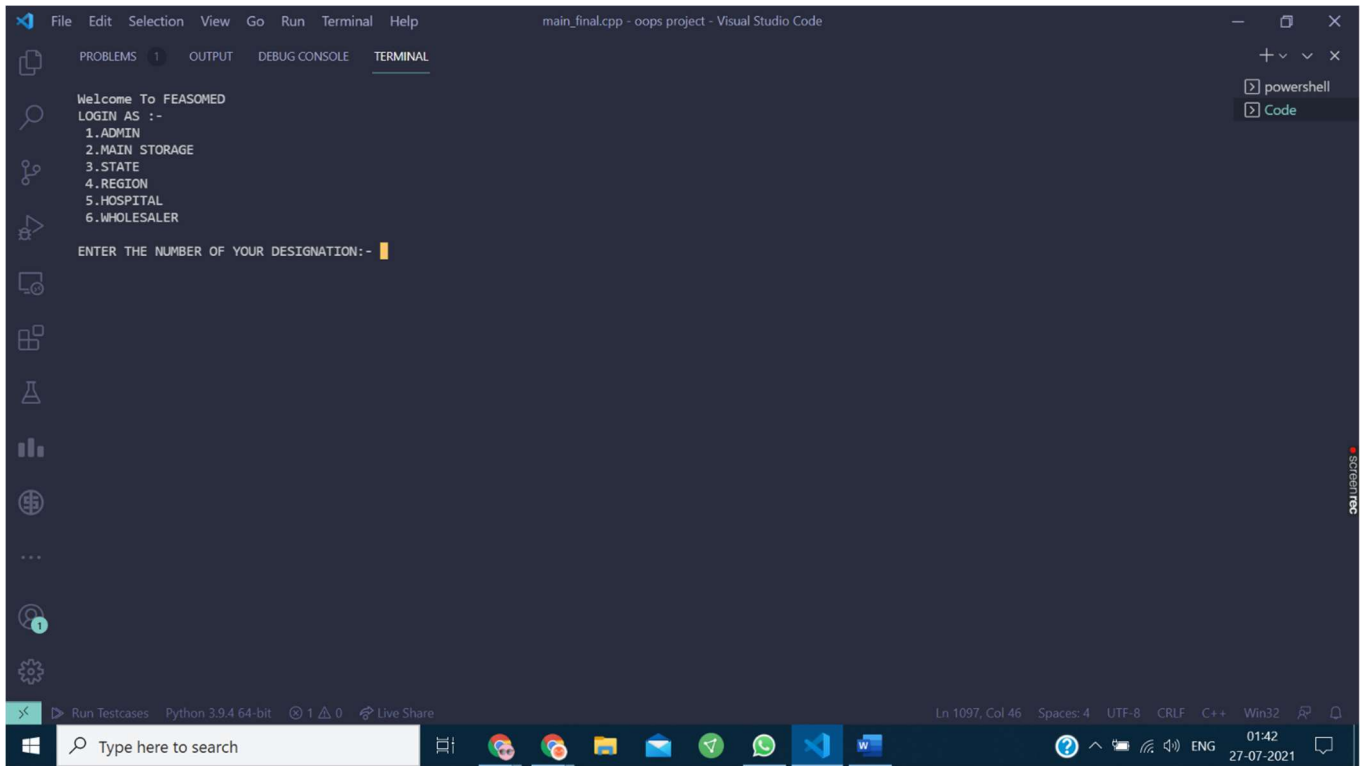
- The user can make use of this home module to know about the tabs which he or she has to make use.
- In the program we have made use of tabs like the status of the user whether it is main storage , state , hospital or region.
- This module gives a overview of all other tabs.

MAIN STORAGE ,STATE STORAGE REGION ,HOSPITAL :-

They have different options related to their usage which makes the handing easy.

8. RESULTS

1)MAIN MENU



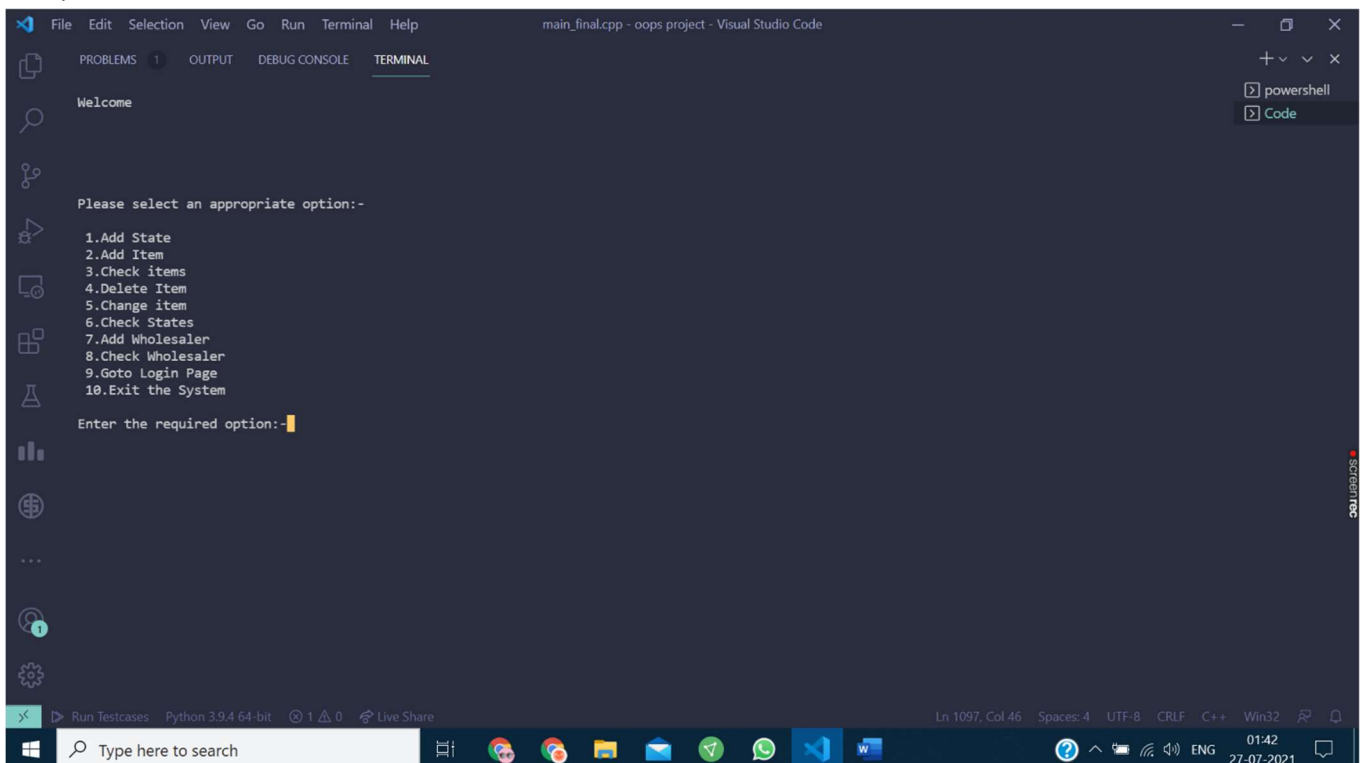
The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of a C++ program. The menu options are as follows:

```
Welcome To FEASOMED
LOGIN AS :-
1.ADMIN
2.MAIN STORAGE
3.STATE
4.REGION
5.HOSPITAL
6.WHOLESALER

ENTER THE NUMBER OF YOUR DESIGNATION:-
```

The terminal window is titled "main_final.cpp - oops project - Visual Studio Code". The status bar at the bottom indicates the file is at line 1097, column 46, using UTF-8 encoding with CRLF line endings. The system clock shows 01:42 on 27-07-2021.

2)ADMIN INTERFACE



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of a C++ program. The menu options are as follows:

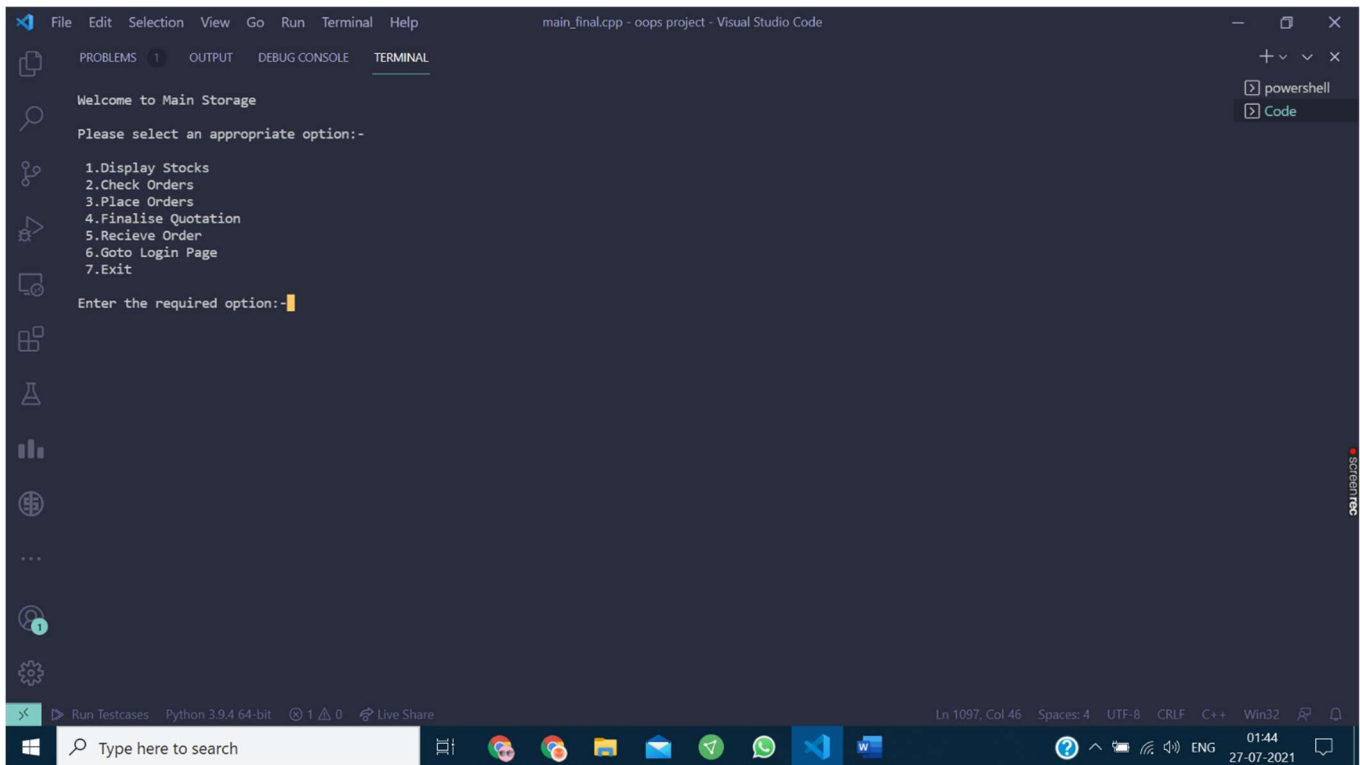
```
Welcome

Please select an appropriate option:-
1.Add State
2.Add Item
3.Check items
4.Delete Item
5.Change item
6.Check States
7.Add Wholesaler
8.Check Wholesaler
9.Goto Login Page
10.Exit the System

Enter the required option:-
```

The terminal window is titled "main_final.cpp - oops project - Visual Studio Code". The status bar at the bottom indicates the file is at line 1097, column 46, using UTF-8 encoding with CRLF line endings. The system clock shows 01:42 on 27-07-2021.

3)MAIN STORAGE INTERFACE



The screenshot shows a Visual Studio Code window with a terminal open. The terminal output is as follows:

```
File Edit Selection View Go Run Terminal Help
main_final.cpp - oops project - Visual Studio Code

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

Welcome to Main Storage

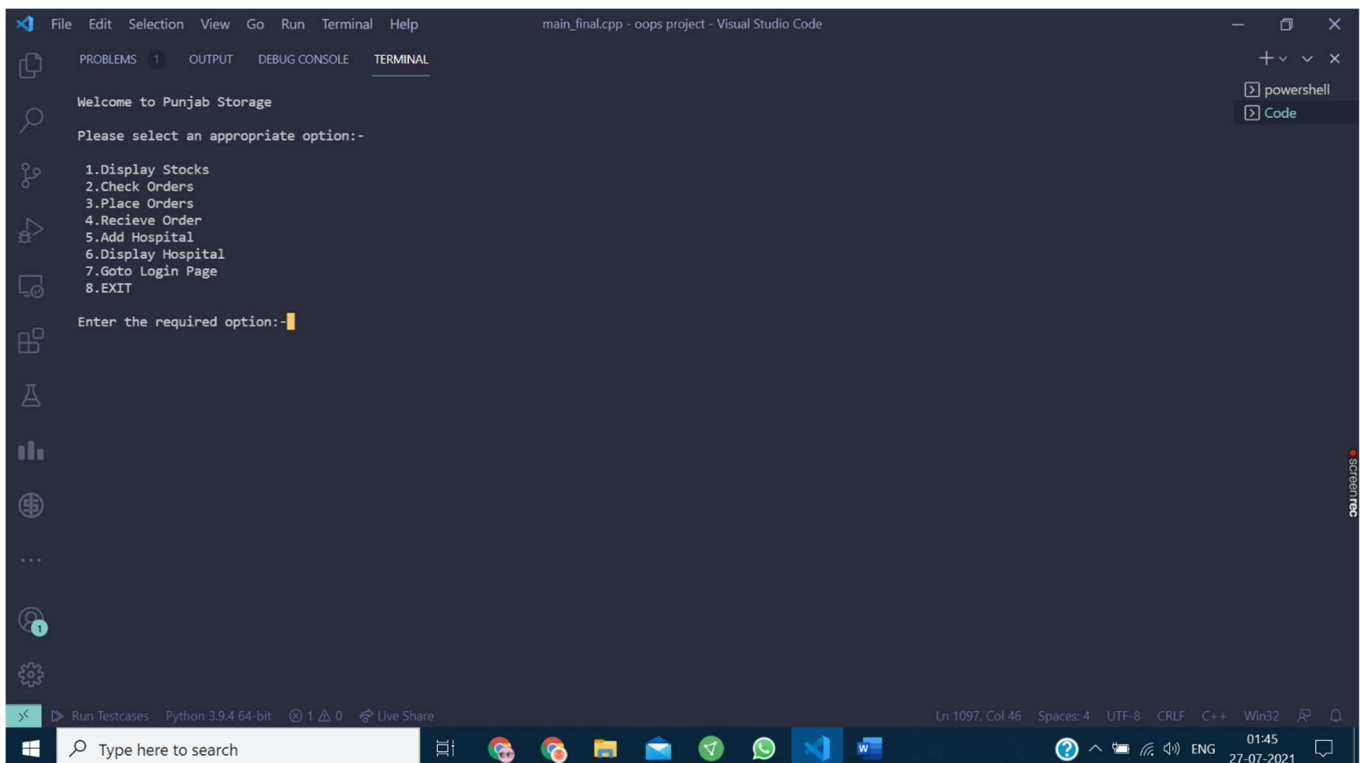
Please select an appropriate option:-

1.Display Stocks
2.Check Orders
3.Place Orders
4.Finalise Quotation
5.Recieve Order
6.Goto Login Page
7.Exit

Enter the required option:-
```

The terminal window has a status bar at the bottom showing "Ln 1097, Col 46", "Spaces: 4", "UTF-8", "CRLF", "C++", "Win32", and the date "27-07-2021". The Windows taskbar is visible at the bottom of the screen.

4)STATE INTERFACE



The screenshot shows a Visual Studio Code window with a terminal open. The terminal output is as follows:

```
File Edit Selection View Go Run Terminal Help
main_final.cpp - oops project - Visual Studio Code

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

Welcome to Punjab Storage

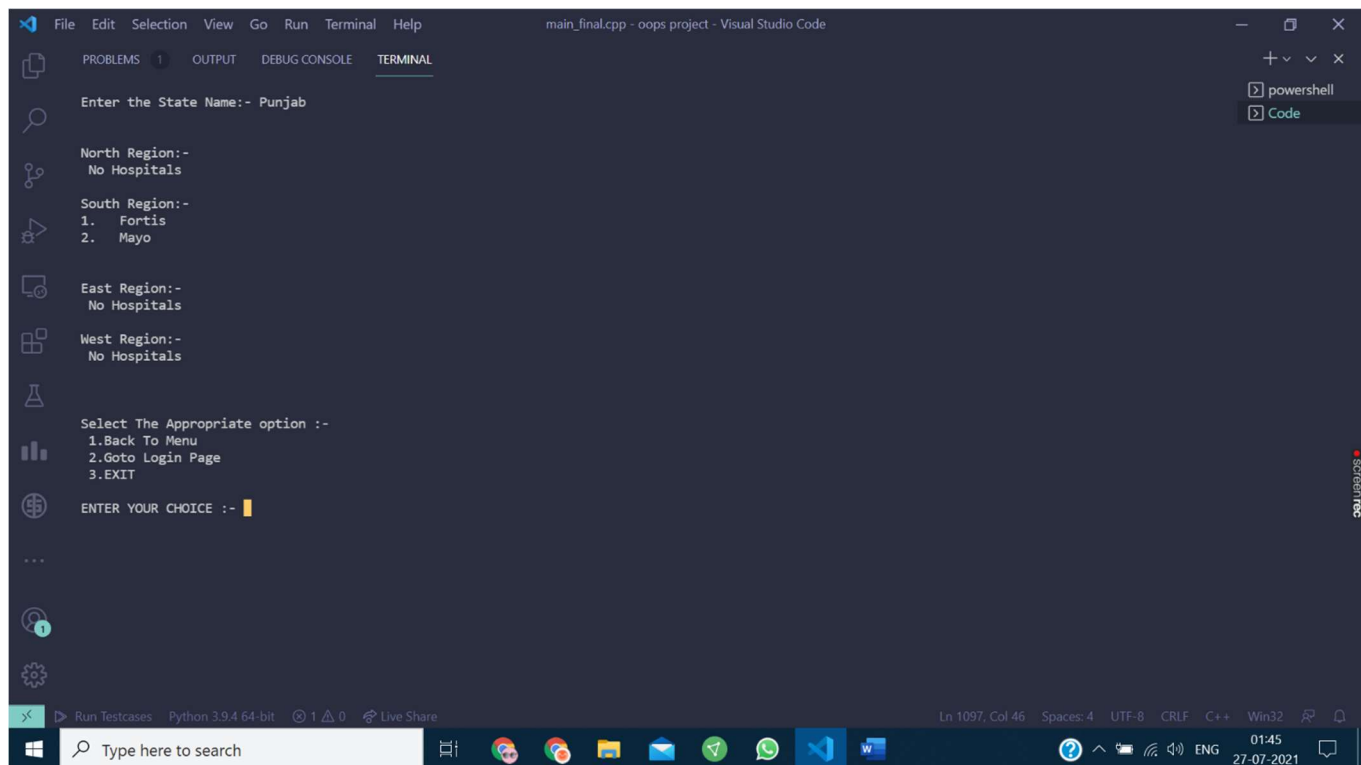
Please select an appropriate option:-

1.Display Stocks
2.Check Orders
3.Place Orders
4.Recieve Order
5.Add Hospital
6.Display Hospital
7.Goto Login Page
8.EXIT

Enter the required option:-
```

The terminal window has a status bar at the bottom showing "Ln 1097, Col 46", "Spaces: 4", "UTF-8", "CRLF", "C++", "Win32", and the date "27-07-2021". The Windows taskbar is visible at the bottom of the screen.

5) REGION INTERFACE



```
File Edit Selection View Go Run Terminal Help
main_final.cpp - oops project - Visual Studio Code

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

Enter the State Name:- Punjab

North Region:-
No Hospitals

South Region:-
1. Fortis
2. Mayo

East Region:-
No Hospitals

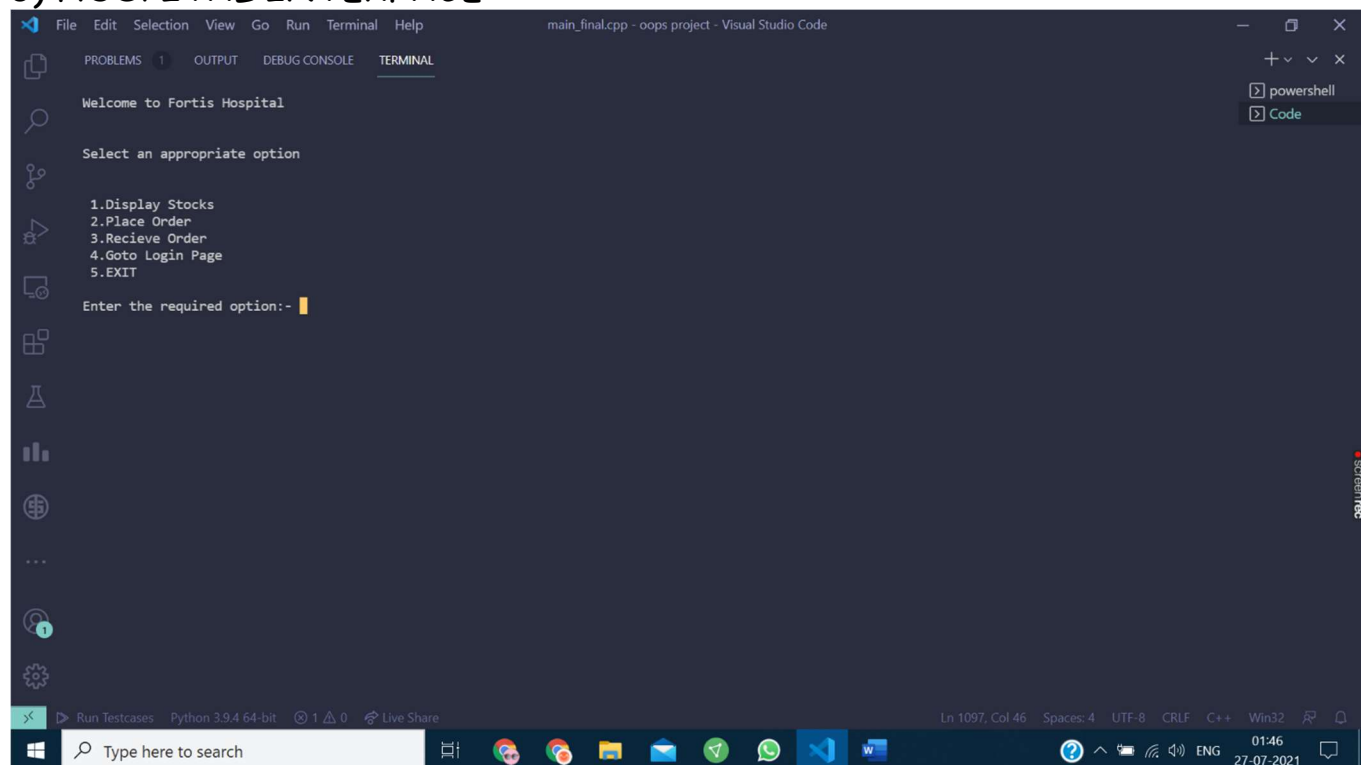
West Region:-
No Hospitals

Select The Appropriate option :-
1.Back To Menu
2.Goto Login Page
3.EXIT

ENTER YOUR CHOICE :-
```

The screenshot shows a Visual Studio Code window with a terminal running a C++ program. The program prompts the user to enter a state name, which is 'Punjab'. It then displays the number of hospitals in each region: North (0), South (2: Fortis, Mayo), East (0), and West (0). Finally, it presents a menu with three options: Back To Menu, Goto Login Page, and EXIT. The terminal is in a PowerShell session, and the status bar at the bottom indicates the file is 'main_final.cpp' in the 'oops project'.

6) HOSPITAL INTERFACE



```
File Edit Selection View Go Run Terminal Help
main_final.cpp - oops project - Visual Studio Code

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

Welcome to Fortis Hospital

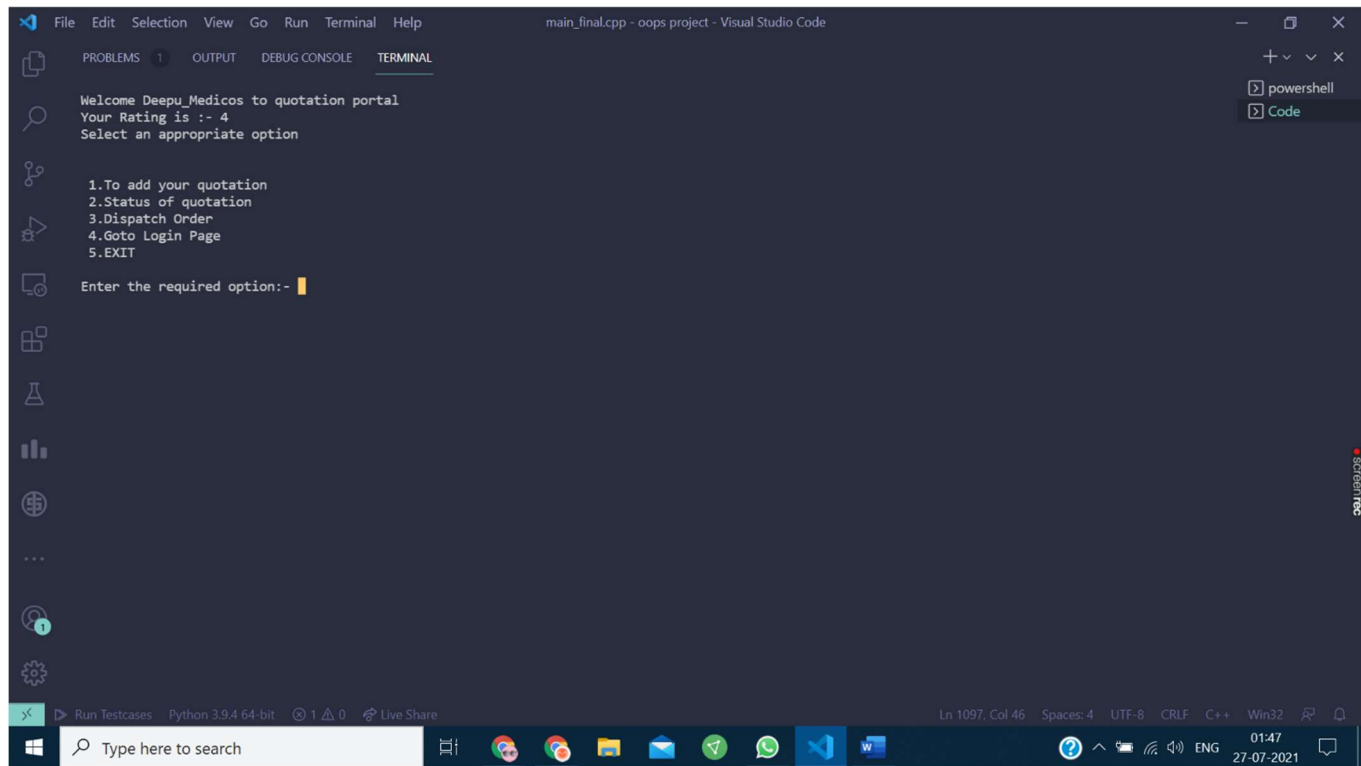
Select an appropriate option

1.Display Stocks
2.Place Order
3.Recieve Order
4.Goto Login Page
5.EXIT

Enter the required option:-
```

The screenshot shows a Visual Studio Code window with a terminal running a C++ program. The program displays a welcome message 'Welcome to Fortis Hospital' and prompts the user to select an appropriate option from a menu. The menu includes: 1.Display Stocks, 2.Place Order, 3.Recieve Order, 4.Goto Login Page, and 5.EXIT. The terminal is in a PowerShell session, and the status bar at the bottom indicates the file is 'main_final.cpp' in the 'oops project'.

7)WHOLESALE INTERFACE



The screenshot shows a Visual Studio Code window with a terminal running a C++ program. The program is titled 'main_final.cpp - oops project - Visual Studio Code'. The terminal output is as follows:

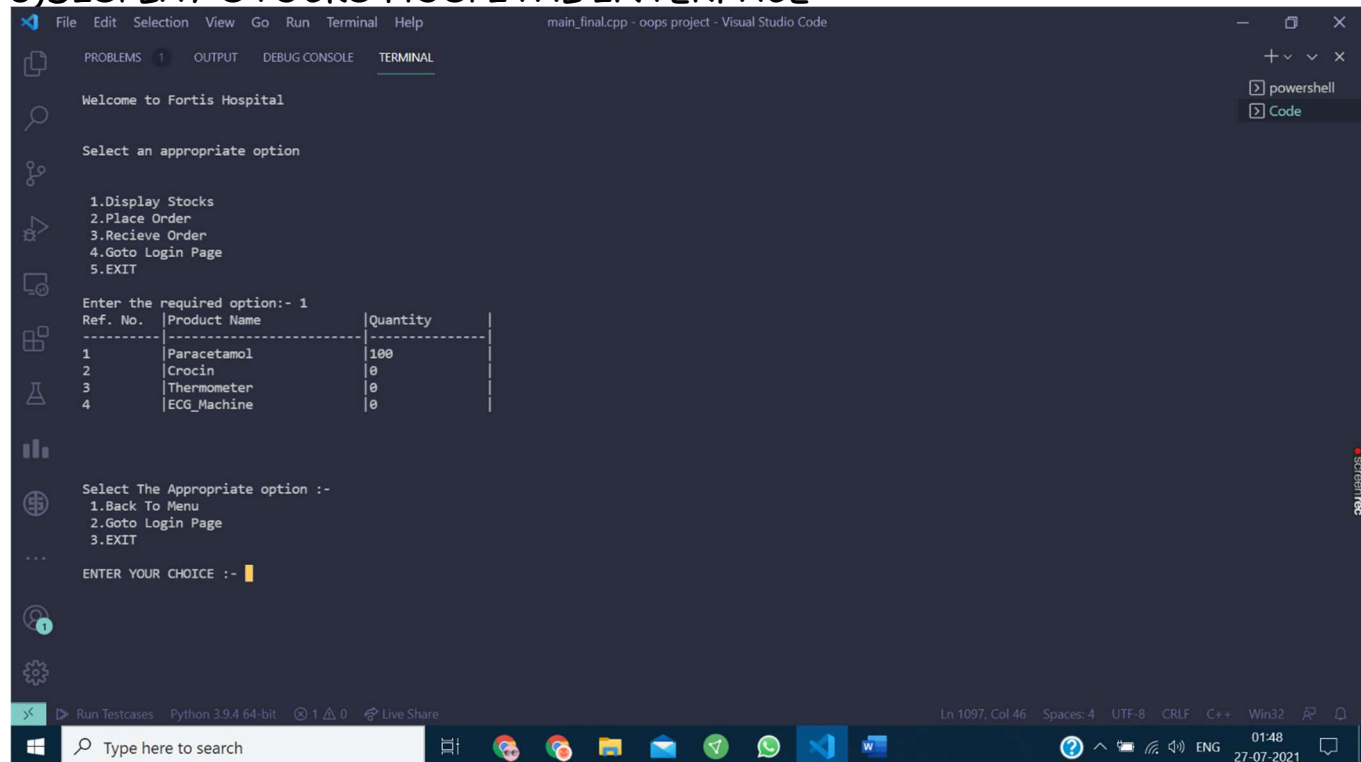
```
File Edit Selection View Go Run Terminal Help
main_final.cpp - oops project - Visual Studio Code
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL
Welcome Deepu_Medicos to quotation portal
Your Rating is :- 4
Select an appropriate option

1.To add your quotation
2.Status of quotation
3.Dispatch Order
4.Goto Login Page
5.EXIT

Enter the required option:-
```

The terminal window has a status bar at the bottom showing 'Ln 1097, Col 46', 'Spaces: 4', 'UTF-8', 'CRLF', 'C++', 'Win32', and the date '27-07-2021'.

8)DISPLAY STOCKS HOSPITAL INTERFACE



The screenshot shows a Visual Studio Code window with a terminal running a C++ program. The program is titled 'main_final.cpp - oops project - Visual Studio Code'. The terminal output is as follows:

```
File Edit Selection View Go Run Terminal Help
main_final.cpp - oops project - Visual Studio Code
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL
Welcome to Fortis Hospital

Select an appropriate option

1.Display Stocks
2.Place Order
3.Recieve Order
4.Goto Login Page
5.EXIT

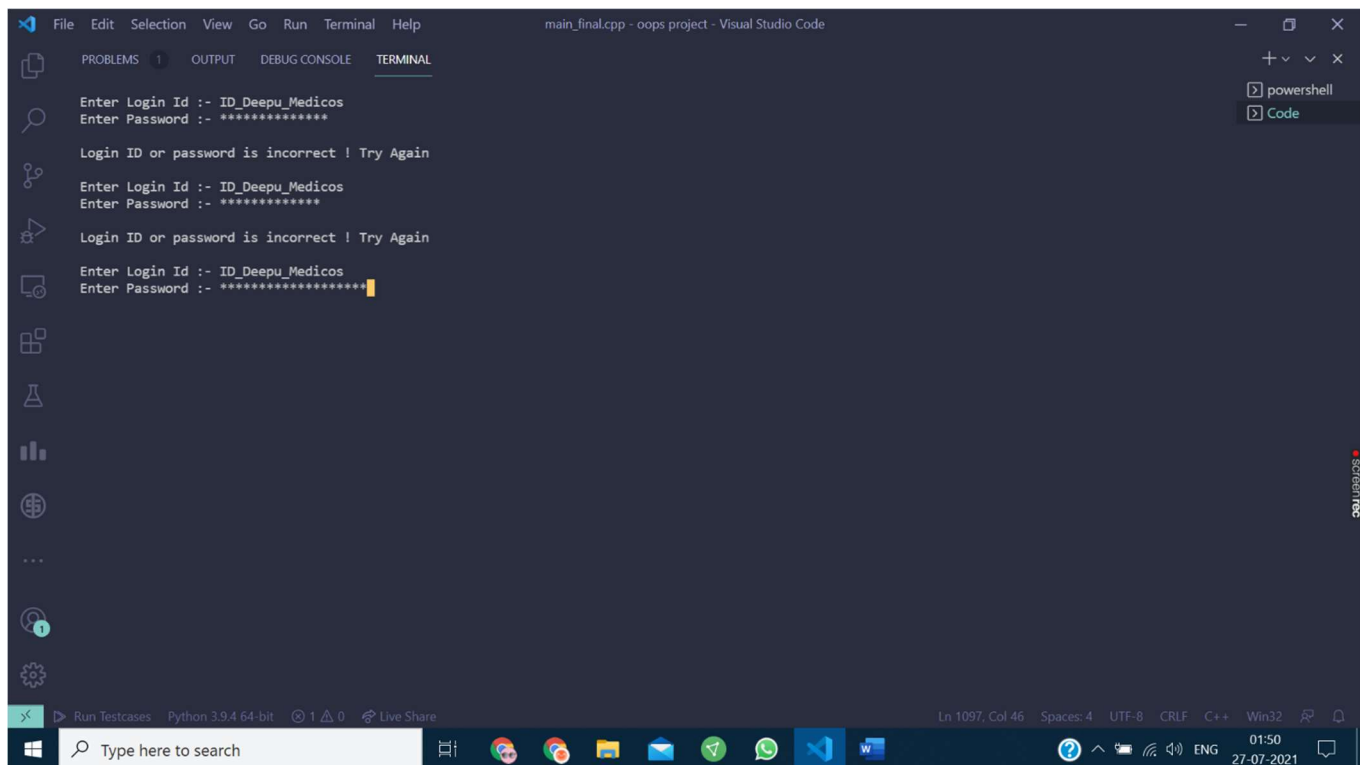
Enter the required option:- 1
Ref. No. | Product Name | Quantity |
-----|-----|-----|
1 | Paracetamol | 100 |
2 | Crocin | 0 |
3 | Thermometer | 0 |
4 | ECG_Machine | 0 |

Select The Appropriate option :-
1.Back To Menu
2.Goto Login Page
3.EXIT

ENTER YOUR CHOICE :-
```

The terminal window has a status bar at the bottom showing 'Ln 1097, Col 46', 'Spaces: 4', 'UTF-8', 'CRLF', 'C++', 'Win32', and the date '27-07-2021'.

9) LOGIN AND PASSWORD CHECKING INTERFACE



```
File Edit Selection View Go Run Terminal Help
main_final.cpp - oops project - Visual Studio Code

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

Enter Login Id :- ID_Deepu_Medicos
Enter Password :- *****

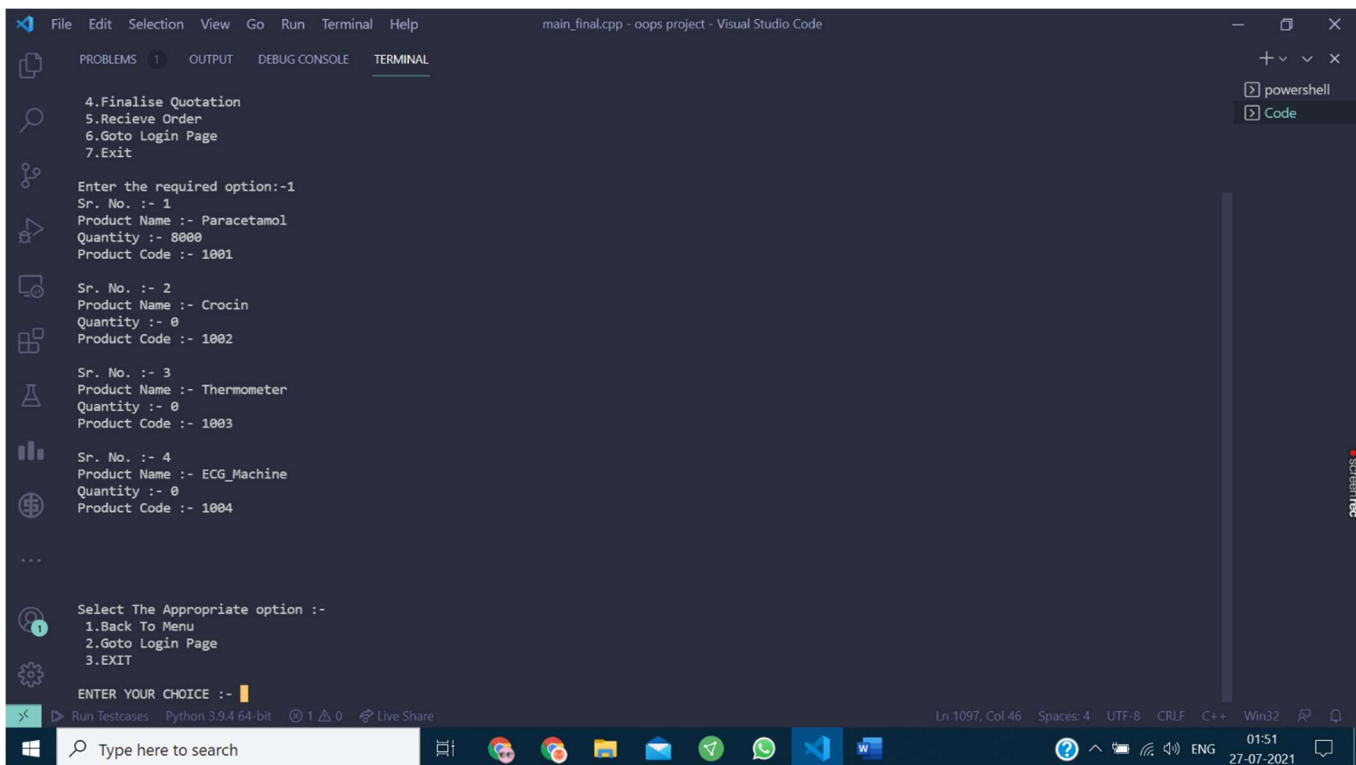
Login ID or password is incorrect ! Try Again

Enter Login Id :- ID_Deepu_Medicos
Enter Password :- *****

Login ID or password is incorrect ! Try Again

Enter Login Id :- ID_Deepu_Medicos
Enter Password :- *****
```

10) DISPLAY STOCKS MAIN STORAGE INTERFACE



```
File Edit Selection View Go Run Terminal Help
main_final.cpp - oops project - Visual Studio Code

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

4.Finalise Quotation
5.Recieve Order
6.Goto Login Page
7.Exit

Enter the required option:-1
Sr. No. :- 1
Product Name :- Paracetamol
Quantity :- 8000
Product Code :- 1001

Sr. No. :- 2
Product Name :- Crocin
Quantity :- 0
Product Code :- 1002

Sr. No. :- 3
Product Name :- Thermometer
Quantity :- 0
Product Code :- 1003

Sr. No. :- 4
Product Name :- ECG_Machine
Quantity :- 0
Product Code :- 1004

Select The Appropriate option :-
1.Back To Menu
2.Goto Login Page
3.EXIT

ENTER YOUR CHOICE :-
```

9. CONCLUSION

The result obtained is a complete package of program which is able to help the hospital, region and the states to order their required products effectively and at ease.

10. REFERENCES AND SOURCES

- Galgotia Publications' Turbo C++ by Robert and Lafore
- Tata McGraw Hill Publications' Object-oriented programming with C++ by
E. Balaguruswamy
- Google (<https://www.google.com/>)
- Geeks For Geeks (<https://www.geeksforgeeks.org/>)
- Github (<https://github.com/>)