



HOTEL MANAGEMENT SYSTEM

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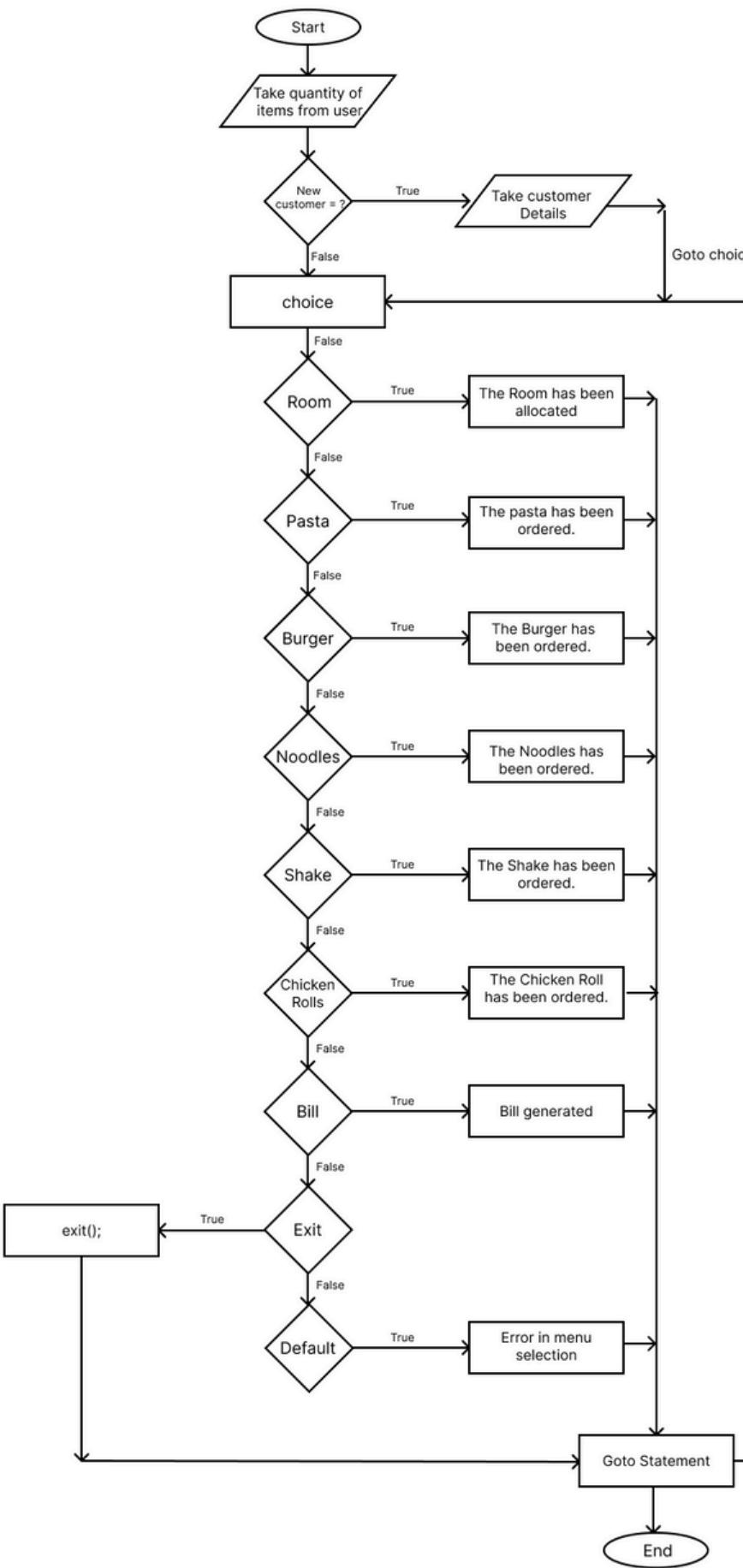


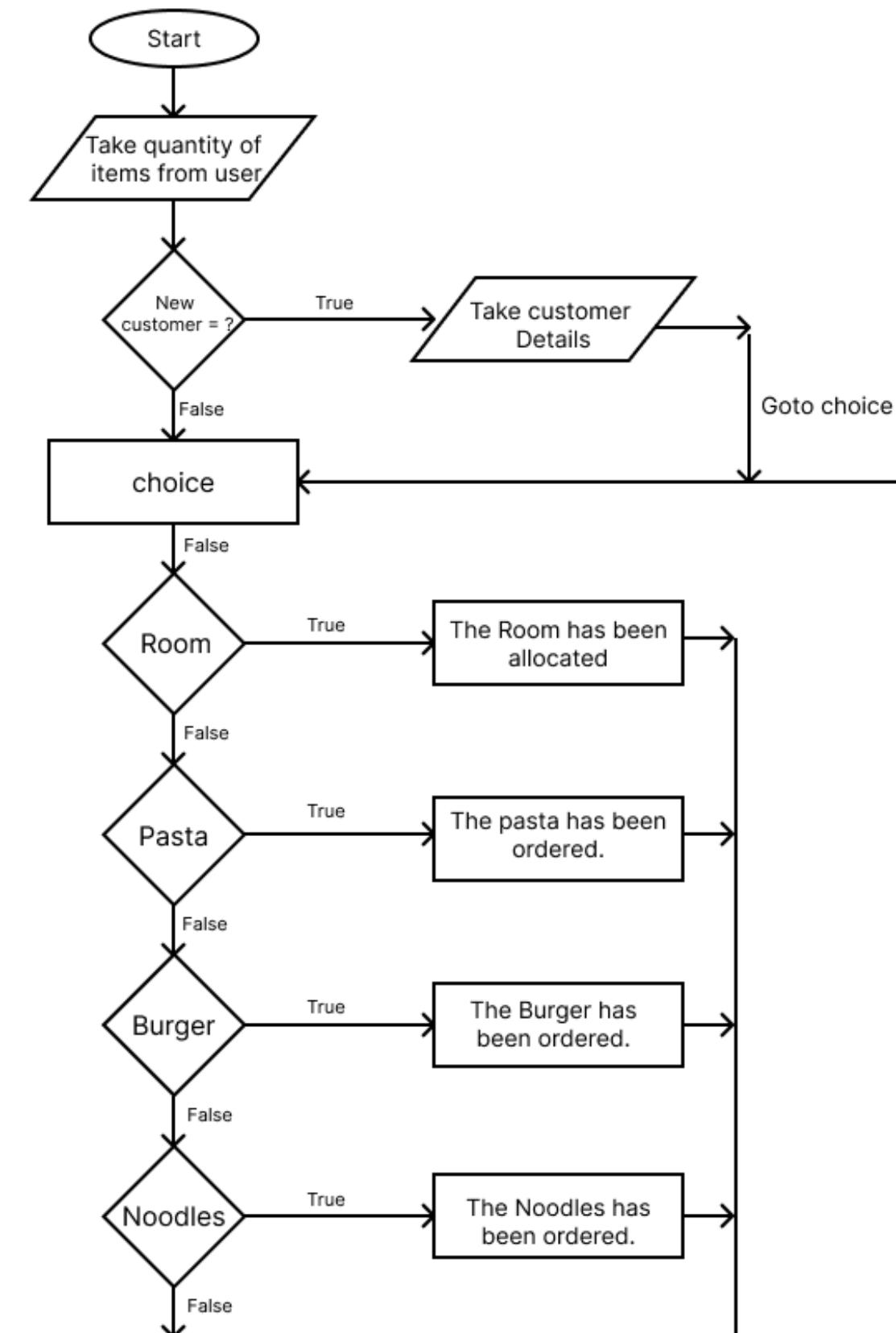
Introduction

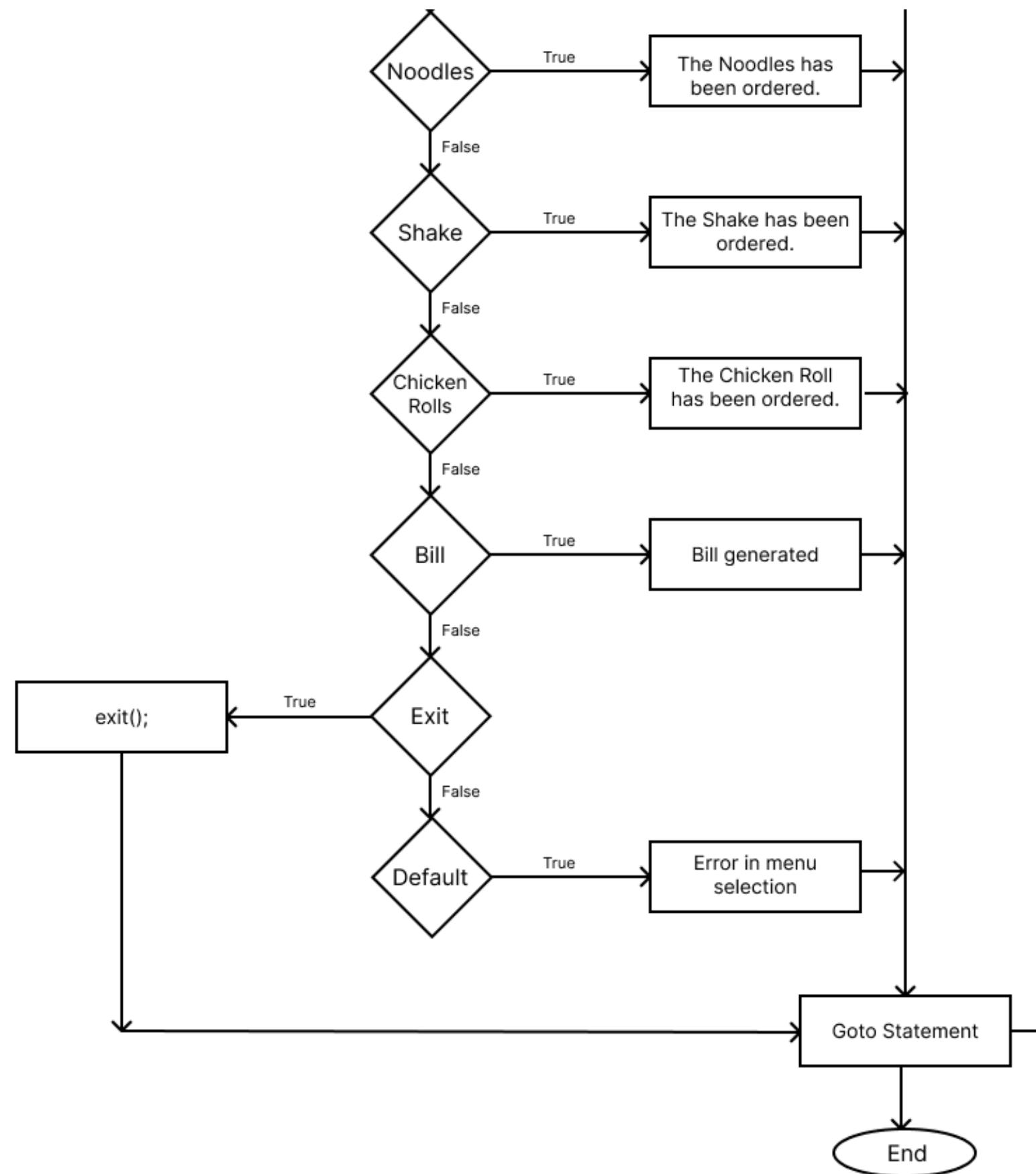
The project hotel management system is a web based application that allows the hotel manager to handle all hotel activities online. The hotel manager is a very busy person and does not have the time to sit and manage the entire activities manually on paper. This application gives him the power and flexibility to manage the entire system from a single online system.

Problem statement

A hotel system manages information about rooms, reservations, customers, and customer billing. A customer can make reservations and order food through this system.







Implementation

- The availability of items is first requested by the programme.
 - Then inquire about the customer.
 - A menu with many options is displayed.
 - Use a goto statement.
 - Use a Switch case.
-
- Goto : The goto statement is a control flow statement in programming that allows the program to jump to a labeled statement elsewhere in the code.
 - Switch case : Switch case is a control statement in programming used for multi-way branching. It evaluates an expression and executes a specific block of code based on the value of the expression.

Result

The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal output displays the execution of a C++ program named hm.cpp. The program calculates the quantity of various items based on user input. The output is as follows:

```
PowerShell 7.2.9
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https://aka.ms/powershell
Type 'help' to get help.

A new PowerShell stable release is available: v7.3.3
Upgrade now, or check out the release page at:
https://aka.ms/PowerShell-Release?tag=v7.3.3

PS D:\my codes> cd "d:\my codes\c++\hotel management\" ; if ($?) { g++ hm.cpp -o hm } ; if ($?) { .\hm }

-----[ Quantity of Items ]-----
Rooms Available:
200
Quantity of Pasta:
100
Quantity of Burger:
100
Quantity of Noodles:
1000
Quantity of Shakes:
2000
Quantity of Chicken-Roll:
3500

Press 1 to continue with New customer: 1
```

The terminal also shows a notification about a new PowerShell release and a weather icon indicating 24°C and mostly cloudy conditions.

The screenshot shows a Visual Studio Code interface with a terminal window open. The terminal displays the output of a C++ program named 'hm.cpp'. The program interacts with the user through a series of prompts:

```
444
Quantity of Noodles:
222
Quantity of Shakes:
1111
Quantity of Chicken-Roll:
555

Press 1 to continue with New customer: 1

-----[ Enter Customer Details ]-----
Enter Name      : shoaib
Enter age       : 22
Enter Email     : shoaibxaif
Enter Contact No: 12345
Enter Address   : Mansarovar
Enter Distt     : jaipur
Enter State     : Rajasthan
Enter Country   : India

-----[ Please select from the menu options ]-----
1) Rooms
2) Pasta
3) Burger
4) Noodles
5) Shakes
6) Chicken-Roll
7) Generate Bill
8) Exit

-----[ Please Enter Your Choice ]-----
```

The terminal also shows a status bar at the bottom with various icons and information, including the file name 'hm.cpp - my codes - Visual Studio Code' and the current line and column (Ln 56, Col 21).

The screenshot shows a Visual Studio Code interface with a terminal window open. The terminal displays the following interaction:

```
Enter Country      : India
-----[ Please select from the menu options ]-----
1) Rooms
2) Pasta
3) Burger
4) Noodles
5) Shakes
6) Chicken-Roll
7) Generate Bill
8) Exit

-----[ Please Enter Your Choice ]-----
1
Enter The Number Of Rooms you want :2

2 Rooms have been allocated to shoaib
-----
-----[ Please select from the menu options ]-----
1) Rooms
2) Pasta
3) Burger
4) Noodles
5) Shakes
6) Chicken-Roll
7) Generate Bill
8) Exit

-----[ Please Enter Your Choice ]-----
```

The terminal window has tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL, with TERMINAL selected. The status bar at the bottom shows file statistics (Ln 56, Col 21, Spaces: 3, etc.) and system information (24°C, mostly cloudy, battery level, network, volume, date/time).

The screenshot shows a Visual Studio Code interface with a terminal window open. The terminal displays the following output:

```
-----[ Please select from the menu options ]-----
1) Rooms
2) Pasta
3) Burger
4) Noodles
5) Shakes
6) Chicken-Roll
7) Generate Bill
8) Exit

-----[ Please Enter Your Choice ]-----
7

-----[ Customer Bill ]-----
Name      : shoaiib
age       : 22
Email     : shoaiibxaif
Contact No : 12345
Address   : Mansarovar, Distt-jaipur, Rajasthan, India

1.    2 x Room          = 2400

-----TOTAL AMOUNT Rs 2400
-----Thankyou ! Have a good Day
Visit Again

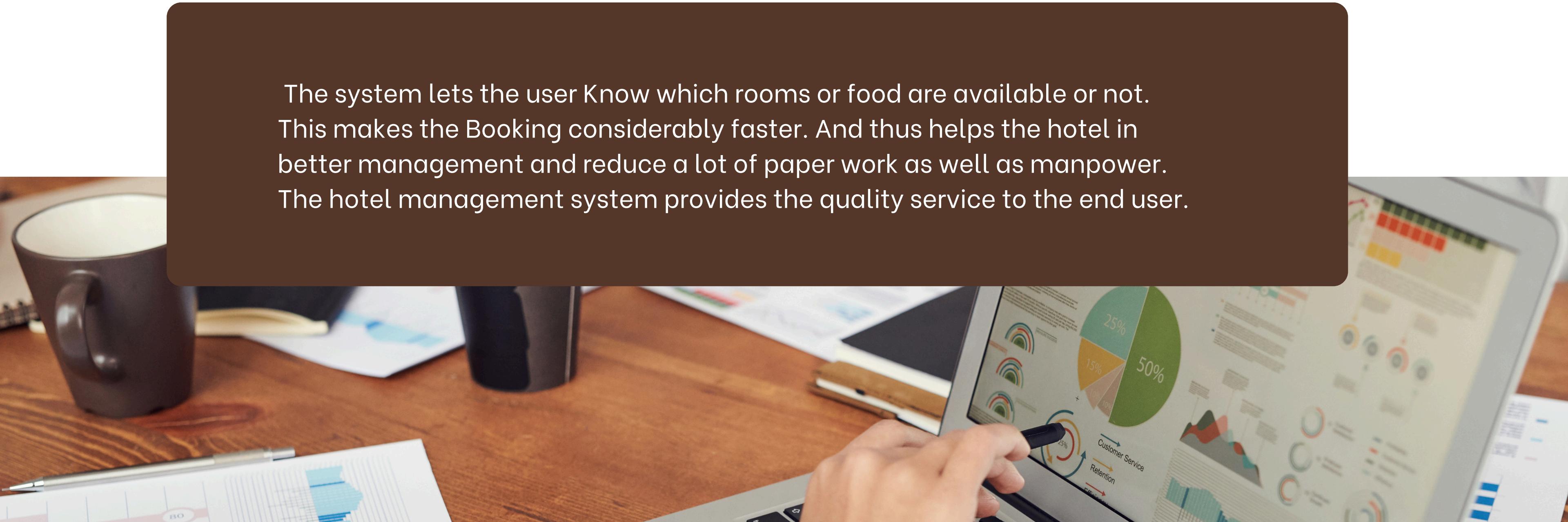
Press 1 to continue with New customer: [REDACTED]
```

The terminal also shows status information at the bottom:

- Ln 56, Col 21 Spaces: 3 UTF-8 CRLF C++ Go Live Explain (Denigma) Win32 Prettier
- 24°C Mostly cloudy
- Search icon
- File Explorer icon
- Taskbar icons for various applications like Microsoft Word, Excel, and File Explorer.
- System tray icons for battery, signal, and date/time (04-03-2023 00:43).

Conclusion

The system lets the user Know which rooms or food are available or not. This makes the Booking considerably faster. And thus helps the hotel in better management and reduce a lot of paper work as well as manpower. The hotel management system provides the quality service to the end user.



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★★★★★ - Alexander Vasquez

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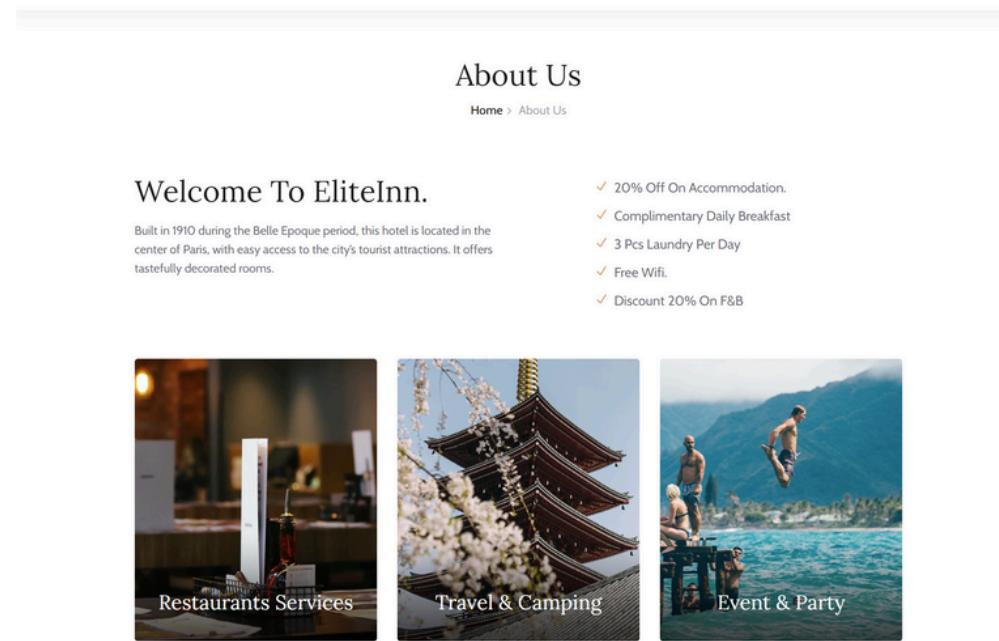
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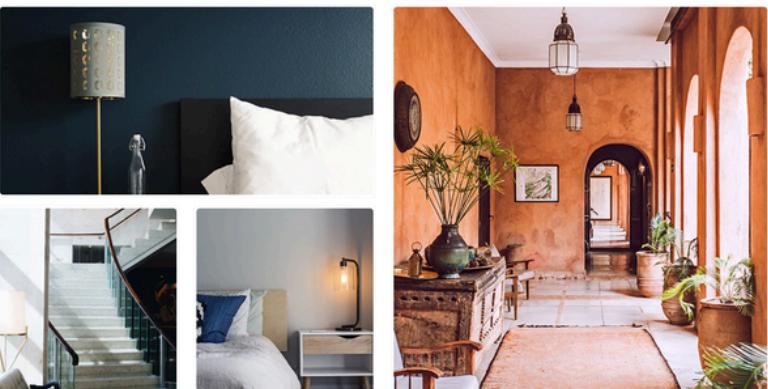
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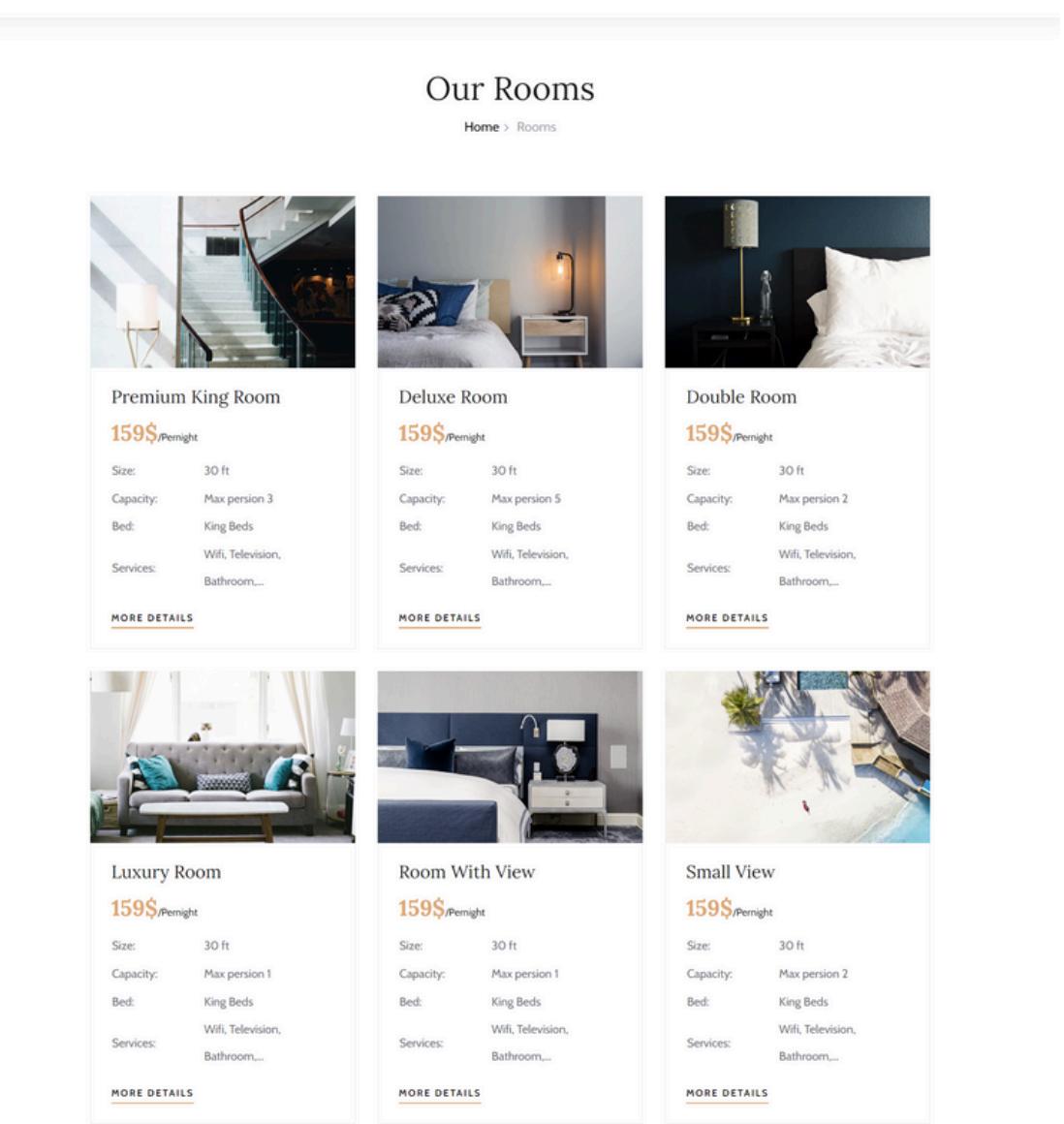


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Services: Wifi, Television, Bathroom...

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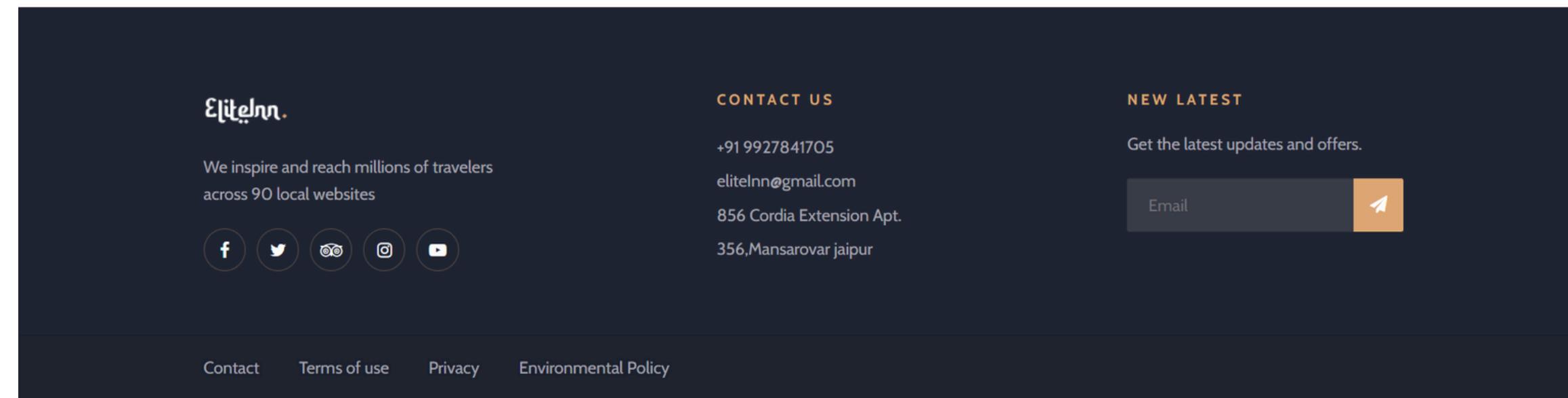
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