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Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

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PROJECT TITLE:

HOTEL MANAGEMENT SYSTEM USING EMU8086

SUBMITTED TO:

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HARDWARE / SOFTWARE:

EMU8086

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ABSTRACT:

The Hotel management system deals with room registration of customer, and register sweepers for cleaning room. our project also contains food department , if any customer wants some food they can see the menu and order food , it will be served to hotel room.

Apart from all these this project contains cab booking system, if you select to location and room number of customer along with journey date, hotel will arrange a cab facility.

Our project has 3 rooms, 2 normal rooms and one special room. Special room has a VIP package which contains features like free food , room service daily.

Everything a customer orders will be added to the bill attached to their room number. At the time of check out it will print the total bill of the room number you enter.

Working modules:

- ### ROOM BOOKING:
  First one is room reservation, new customers can select the type of room, , it will also provide the rates of each type of room per day. After selecting room type you have to select number days to stay, by confirming registration it will produce the bill.

- ### HOUSE CLEANING:
  Second feature is house sweeping, for this it will provide types of cleaning , i.e.., any particular room or all rooms after selecting that you have to select the date and confirm.
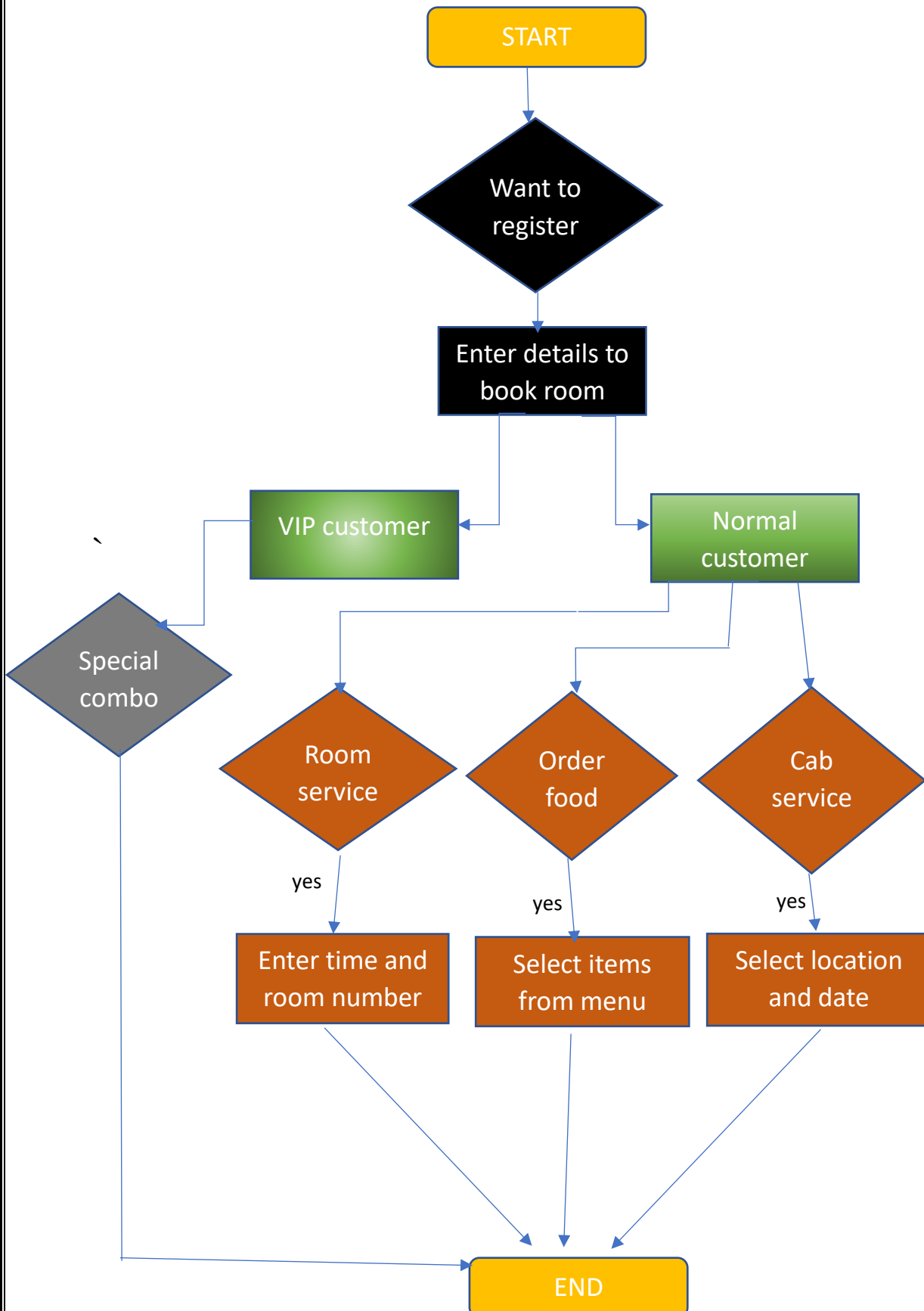
- ### FOOD SERVICE:
  Our project also contains food service, for this the menu will be displayed and you have to select items you want and quantity for each ,according to that bill will be generated.
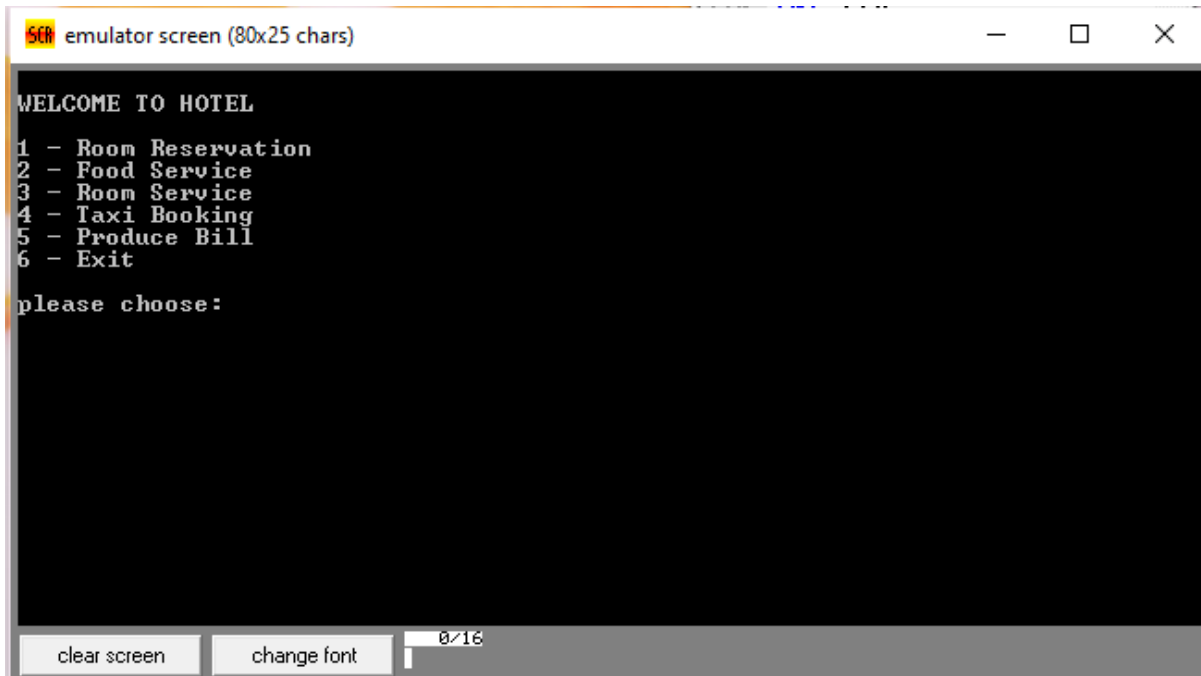
- ### CAB SERVICE:
  The last feature is cab service , this will ask information like date of journey , and from location, to location, then the room number of customer. And then by confirming it , the hotel will arrange the cab
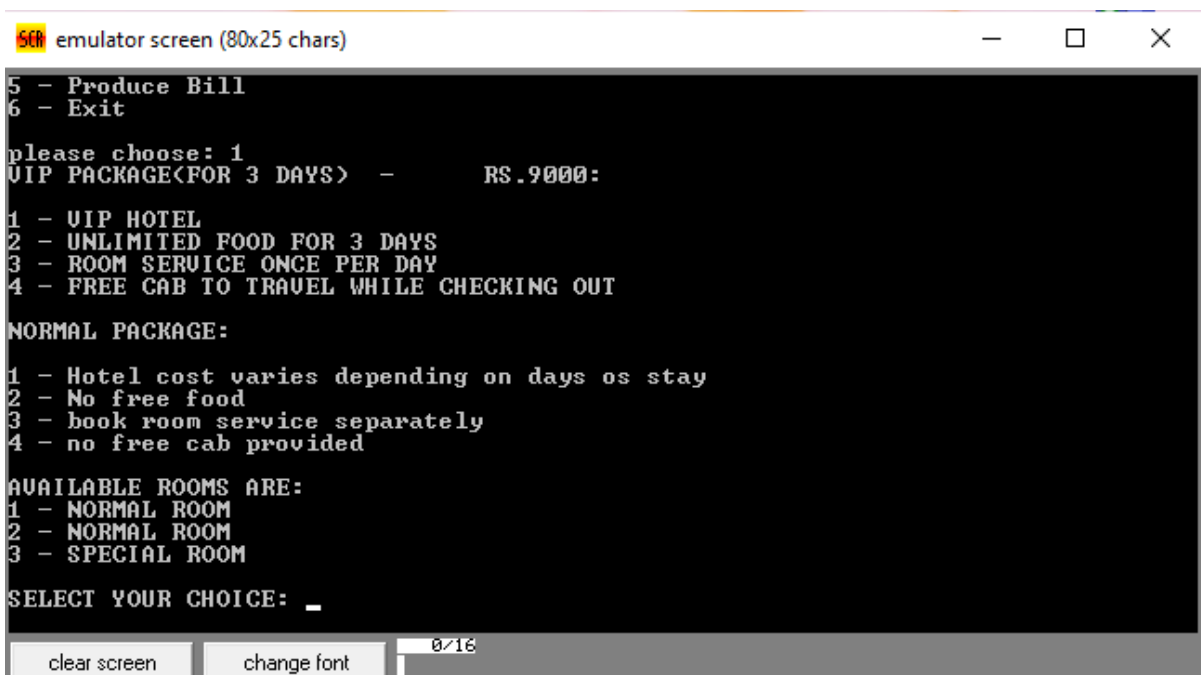
FLOWCHART:

```
                        START

                     Want to
                     register

                  Enter details to
                    book room

      VIP customer              Normal
                                customer

  Special
  combo        Room         Order          Cab
               service      food           service

              yes          yes            yes

          Enter time and   Select items   Select location
          room number      from menu      and date

                           END
```

OUTPUT:

Hotel menu


```
WELCOME TO HOTEL

1 - Room Reservation
2 - Food Service
3 - Room Service
4 - Taxi Booking
5 - Produce Bill
6 - Exit

please choose:
```

Room booking


```
5 - Produce Bill
6 - Exit

please choose: 1
VIP PACKAGE(FOR 3 DAYS)  -       RS.9000:

1 - VIP HOTEL
2 - UNLIMITED FOOD FOR 3 DAYS
3 - ROOM SERVICE ONCE PER DAY
4 - FREE CAB TO TRAVEL WHILE CHECKING OUT

NORMAL PACKAGE:

1 - Hotel cost varies depending on days os stay
2 - No free food
3 - book room service separately
4 - no free cab provided

AVAILABLE ROOMS ARE:
1 - NORMAL ROOM
2 - NORMAL ROOM
3 - SPECIAL ROOM

SELECT YOUR CHOICE: _
```

For VIP customer


```
SCR emulator screen (80x27 chars)                      —    □    ×

4 - FREE CAB TO TRAVEL WHILE CHECKING OUT

NORMAL PACKAGE:

1 - Hotel cost varies depending on days os stay
2 - No free food
3 - book room service separately
4 - no free cab provided

AVAILABLE ROOMS ARE:
1 - NORMAL ROOM
2 - NORMAL ROOM
3 - SPECIAL ROOM

SELECT YOUR CHOICE: 3
Room service booked
```

Bill for VIP customer with all included service charges.

```
WELCOME TO HOTEL

1 - Room Reservation
2 - Food Service
3 - Room Service
4 - Taxi Booking
5 - Produce Bill
6 - Exit

please choose: 5
Enter room number: 3
Total bill: 9000
```

For Normal customer

```
AVAILABLE ROOMS ARE:
1 - NORMAL ROOM
2 - NORMAL ROOM
3 - SPECIAL ROOM

SELECT YOUR CHOICE: 1

Room cost for 1 DAY - RS.3000
Room cost for 2 DAY - RS.5000
Room cost for 3 DAY - RS.7000

Enter no.of Days of stay: 2
Room service booked
```

Food service

```
WELCOME TO HOTEL

1 - Room Reservation
2 - Food Service
3 - Room Service
4 - Taxi Booking
5 - Produce Bill
6 - Exit

please choose: 2
Enter room number: 1
1 - Noodles    RS.80/-
2 - Biryani    RS.160/-
3 - Pizza      RS.110/-
4 - Meals       RS.60/-
5 - Drink      RS.30/-

Please Choose: 1
Enter Quantity: 2
```

Room service

```
WELCOME TO HOTEL

1 - Room Reservation
2 - Food Service
3 - Room Service
4 - Taxi Booking
5 - Produce Bill
6 - Exit

please choose: 3
Enter room number: 1
1 - Morning  RS.90/-
2 - Afternoon  RS.120/-
3 - Evening  RS.100/-

Please Choose service time: 2
```

Taxi booking

```
WELCOME TO HOTEL

1 - Room Reservation
2 - Food Service
3 - Room Service
4 - Taxi Booking
5 - Produce Bill
6 - Exit

please choose: 4
Enter room number: 1
COST OF TAXI    -    RS.500/-
Enter date of journey: 13
Destination: velleore
```

Total bill

```
WELCOME TO HOTEL

1 - Room Reservation
2 - Food Service
3 - Room Service
4 - Taxi Booking
5 - Produce Bill
6 - Exit

please choose: 5
Enter room number: 1
Total bill: 6780
```

Result for invalid inputs

```
WELCOME TO HOTEL

1 - Room Reservation
2 - Food Service
3 - Room Service
4 - Taxi Booking
5 - Produce Bill
6 - Exit

please choose: 5
Enter room number: 2
ROOM IS UNOCCUPIED
```