```
The room 373 was successfully created. Its price per night is: 117.95
The room 182 was successfully created. Its price per night is: 101.18
The room 271 was successfully created. Its price per night is: 160.77
The room 326 was successfully created. Its price per night is: 68.04
The room 223 was successfully created. Its price per night is: 72.74
The room 158 was successfully created. Its price per night is: 72.68
The room 298 was successfully created. Its price per night is: 52.16
The room 269 was successfully created. Its price per night is: 159.03
The room 240 was successfully created. Its price per night is: 167.43
The room 110 was successfully created. Its price per night is: 138.37
The room 277 was successfully created. Its price per night is: 64.62
The room 240 was successfully created. Its price per night is: 183.21
The room 325 was successfully created. Its price per night is: 57.19
The room 396 was successfully created. Its price per night is: 189.38
The room 353 was successfully created. Its price per night is: 70.76
The room 276 was successfully created. Its price per night is: 154.86
The new employee Devon Alonzo was created with ID number: 1 and password: hello ; His pay rate per hour is: $20.34
The new employee Ludwig Scherer was created with ID number: 2 and password: hi ; His pay rate per hour is: $15.0
The new employee Michael Phelps was created with ID number: 3 and password: bye ; His pay rate per hour is: $15.0
The new employee Lionel Messi was created with ID number: 4 and password: goat ; His pay rate per hour is: $100.0
The new employee Eduardo Ceh-Varela was created with ID number: 5 and password: master ; His pay rate per hour is: $20.0
The room 100 was successfully created. Its price per night is: 100.0
The room 204 was successfully created. Its price per night is: 70.0
The room 305 was successfully created. Its price per night is: 70.0
The room 203 was successfully created. Its price per night is: 150.0
The new reservation for Alonzo was created with reservation number: 1 and duration: 3 nights.
The new reservation for Scherer was created with reservation number: 2 and duration: 3 nights.
The guest Devon Alonzo was added with guest ID: 1
The guest Ludwig Scherer was added with guest ID: 2

Select one of the options accordingly to your position:
(1) General Staff
(2) Receptionist
(3) Manager
(4) Quit
```

Created all objects and InitialLogin
Menu is displayed

Manager login: ID: 5 ;Password: master

```
The guest Ludwig Scherer was added with guest ID: 2

Select one of the options accordingly to your position:
(1) General Staff
(2) Receptionist
(3) Manager
(4) Quit
3
Please enter your employee ID:
5
Please enter your password:
master

What would you like to access?
(1) Guests menu
(2) Rooms menu
(3) Reservations menu
(4) Employees menu
(5) Reports menu
(6) Logout
(7) Exit
1

What do you want to do?
(1) Check-in guest
(2) Check-out guest
(3) Edit guest info
(4) View all guests
(5) Back to main menu
(6) Logout
(7) Quit
4
Guest #1
Devon Alonzo
Phone number: (555) 5555-555
Email: hello@gmail.com
```
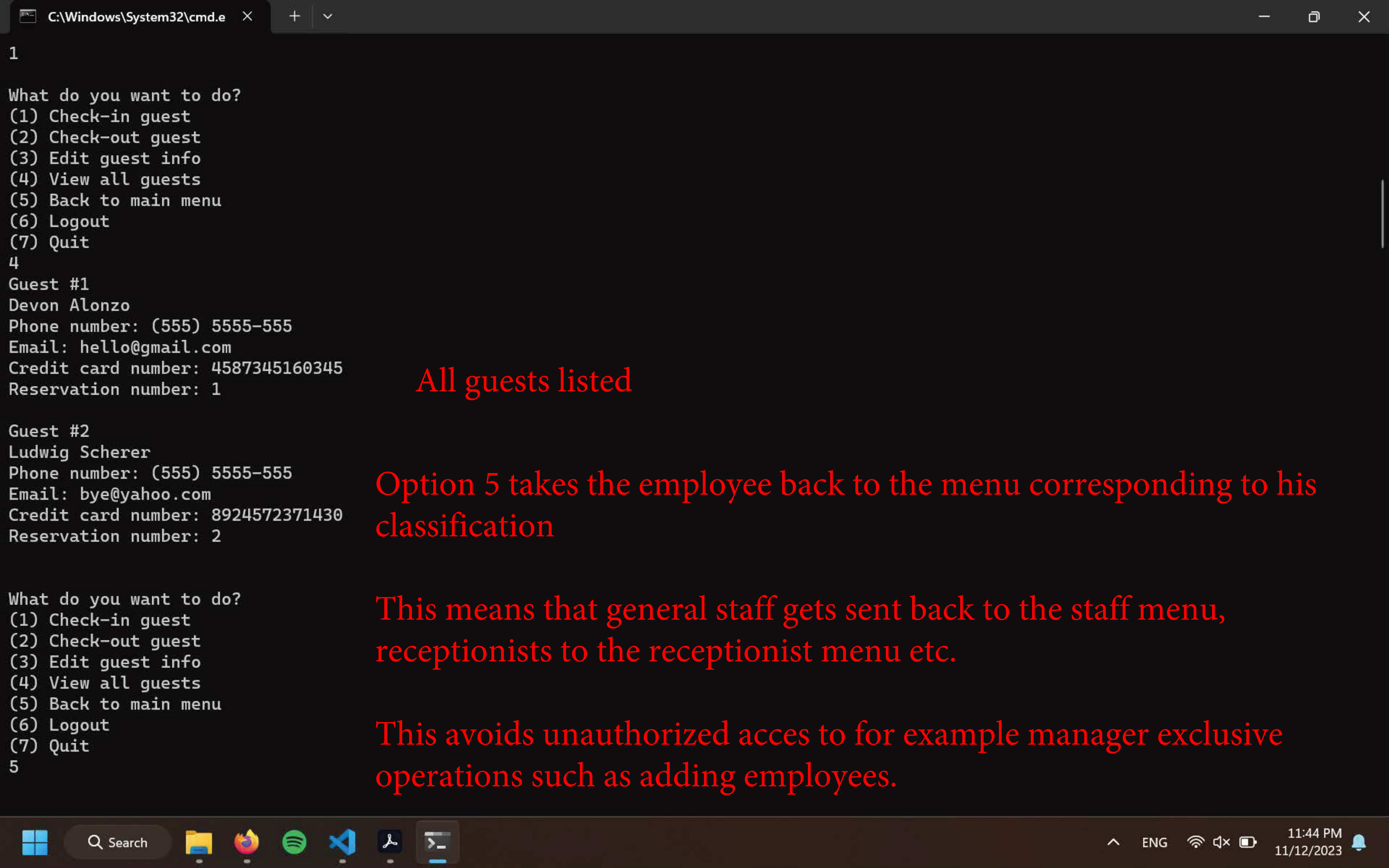
Entering Manager branch since it has access to all features.

Login prompted. Need to enter employee ID and password to proceed

Option 1: Guests Menu

in Guests Menu:
option 4 show sall current guests of the hotel.

```
1

What do you want to do?
(1) Check-in guest
(2) Check-out guest
(3) Edit guest info
(4) View all guests
(5) Back to main menu
(6) Logout
(7) Quit
4
Guest #1
Devon Alonzo
Phone number: (555) 5555-555
Email: hello@gmail.com
Credit card number: 4587345160345
Reservation number: 1

Guest #2
Ludwig Scherer
Phone number: (555) 5555-555
Email: bye@yahoo.com
Credit card number: 8924572371430
Reservation number: 2

What do you want to do?
(1) Check-in guest
(2) Check-out guest
(3) Edit guest info
(4) View all guests
(5) Back to main menu
(6) Logout
(7) Quit
5
```
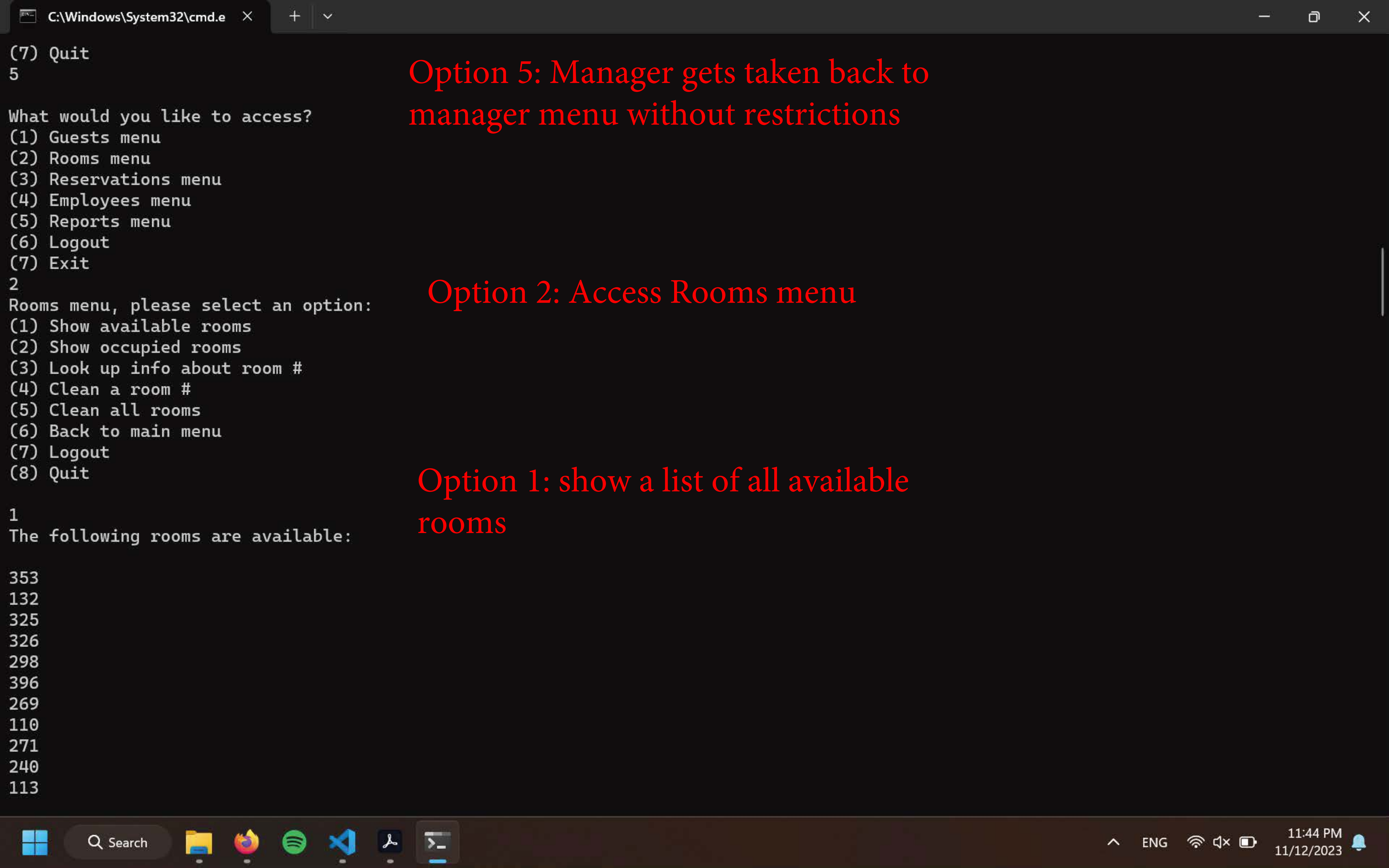
All guests listed

Option 5 takes the employee back to the menu corresponding to his classification

This means that general staff gets sent back to the staff menu, receptionists to the receptionist menu etc.

This avoids unauthorized acces to for example manager exclusive operations such as adding employees.

```
(7) Quit
5

What would you like to access?
(1) Guests menu
(2) Rooms menu
(3) Reservations menu
(4) Employees menu
(5) Reports menu
(6) Logout
(7) Exit
2
Rooms menu, please select an option:
(1) Show available rooms
(2) Show occupied rooms
(3) Look up info about room #
(4) Clean a room #
(5) Clean all rooms
(6) Back to main menu
(7) Logout
(8) Quit

1
The following rooms are available:

353
132
325
326
298
396
269
110
271
240
113
```

Option 5: Manager gets taken back to manager menu without restrictions

Option 2: Access Rooms menu

Option 1: show a list of all available rooms

```
1
The following rooms are available:

353
132
325
326
298
396
269
110
271
240
113
276
245
373
277
182
318
158
223

Rooms menu, please select an option:
(1) Show available rooms
(2) Show occupied rooms
(3) Look up info about room #
(4) Clean a room #
(5) Clean all rooms
(6) Back to main menu
(7) Logout
(8) Quit

2
The following rooms are occupied:
```

List of available rooms

```
Rooms menu, please select an option:
(1) Show available rooms
(2) Show occupied rooms
(3) Look up info about room #
(4) Clean a room #
(5) Clean all rooms
(6) Back to main menu
(7) Logout
(8) Quit

2
The following rooms are occupied:

100
203
204
305
```

Option 2: Show list of occupied rooms

List of occupied rooms

```
Rooms menu, please select an option:
(1) Show available rooms
(2) Show occupied rooms
(3) Look up info about room #
(4) Clean a room #
(5) Clean all rooms
(6) Back to main menu
(7) Logout
(8) Quit
```

Option 5: Clean all rooms

all rooms have been cleaned

```
5
All rooms have been cleaned
Rooms menu, please select an option:
(1) Show available rooms
(2) Show occupied rooms
(3) Look up info about room #
(4) Clean a room #
```

(2) Show occupied rooms
(3) Look up info about room #
(4) Clean a room #
(5) Clean all rooms
(6) Back to main menu
(7) Logout
(8) Quit

5
All rooms have been cleaned
Rooms menu, please select an option:
(1) Show available rooms
(2) Show occupied rooms
(3) Look up info about room #
(4) Clean a room #
(5) Clean all rooms
(6) Back to main menu   Back to manager menu
(7) Logout
(8) Quit

6

What would you like to access?
(1) Guests menu
(2) Rooms menu
(3) Reservations menu   Option 3: Access reservations
(4) Employees menu   menu
(5) Reports menu
(6) Logout
(7) Exit
3

What do you want to do?
(1) Create Reservation
(2) Edit Reservation
(3) Cancel Reservation

3

What do you want to do?
(1) Create Reservation
(2) Edit Reservation
(3) Cancel Reservation
(4) Look up reservation
(5) Show all reservations
(6) Back to main menu
(7) Logout
(8) Quit
5

Option 5: prints a list of all current reservations

All current reservations:
Reservation 1: Alonzo
Number of guests: 2
Duration: 3 days
Rooms booked:
204

List of all reservations

Reservation 2: Scherer
Number of guests: 2
Duration: 3 days
Rooms booked:
305
203

What do you want to do?
(1) Create Reservation
(2) Edit Reservation
(3) Cancel Reservation
(4) Look up reservation
(5) Show all reservations
(6) Back to main menu
(7) Logout
(8) Quit

```
(6) Back to main menu
(7) Logout
(8) Quit
6
```

```
What would you like to access?
(1) Guests menu
(2) Rooms menu
(3) Reservations menu
(4) Employees menu
(5) Reports menu
(6) Logout
(7) Exit
4
```

```
What do you want to do?
(1) Create new employee
(2) Remove employee
(3) Look up employee info
(4) View all employees
(5) Back to main menu
(6) Logout
(7) Quit
5
```

```
What would you like to access?
(1) Guests menu
(2) Rooms menu
(3) Reservations menu
(4) Employees menu
(5) Reports menu
(6) Logout
(7) Exit
4

What do you want to do?
```

```
What would you like to access?
(1) Guests menu
(2) Rooms menu
(3) Reservations menu
(4) Employees menu
(5) Reports menu
(6) Logout
(7) Exit
4
```

Option 4: prints a list of all employees

```
What do you want to do?
(1) Create new employee
(2) Remove employee
(3) Look up employee info
(4) View all employees
(5) Back to main menu
(6) Logout
(7) Quit
4
Employee 1: Devon Alonzo
Address:
Phone number:
Pay Rate: 20.34
Shift: 8.0

Employee 2: Ludwig Scherer
Address:
Phone number:
Pay Rate: 15.0
Shift: 8.0

Employee 3: Michael Phelps
Address:
Phone number:
Pay Rate: 15.0
```

List of all employees

Shift: 8.0

Employee 3: Michael Phelps
Address:
Phone number:
Pay Rate: 15.0
Shift: 8.0

Employee 4: Lionel Messi
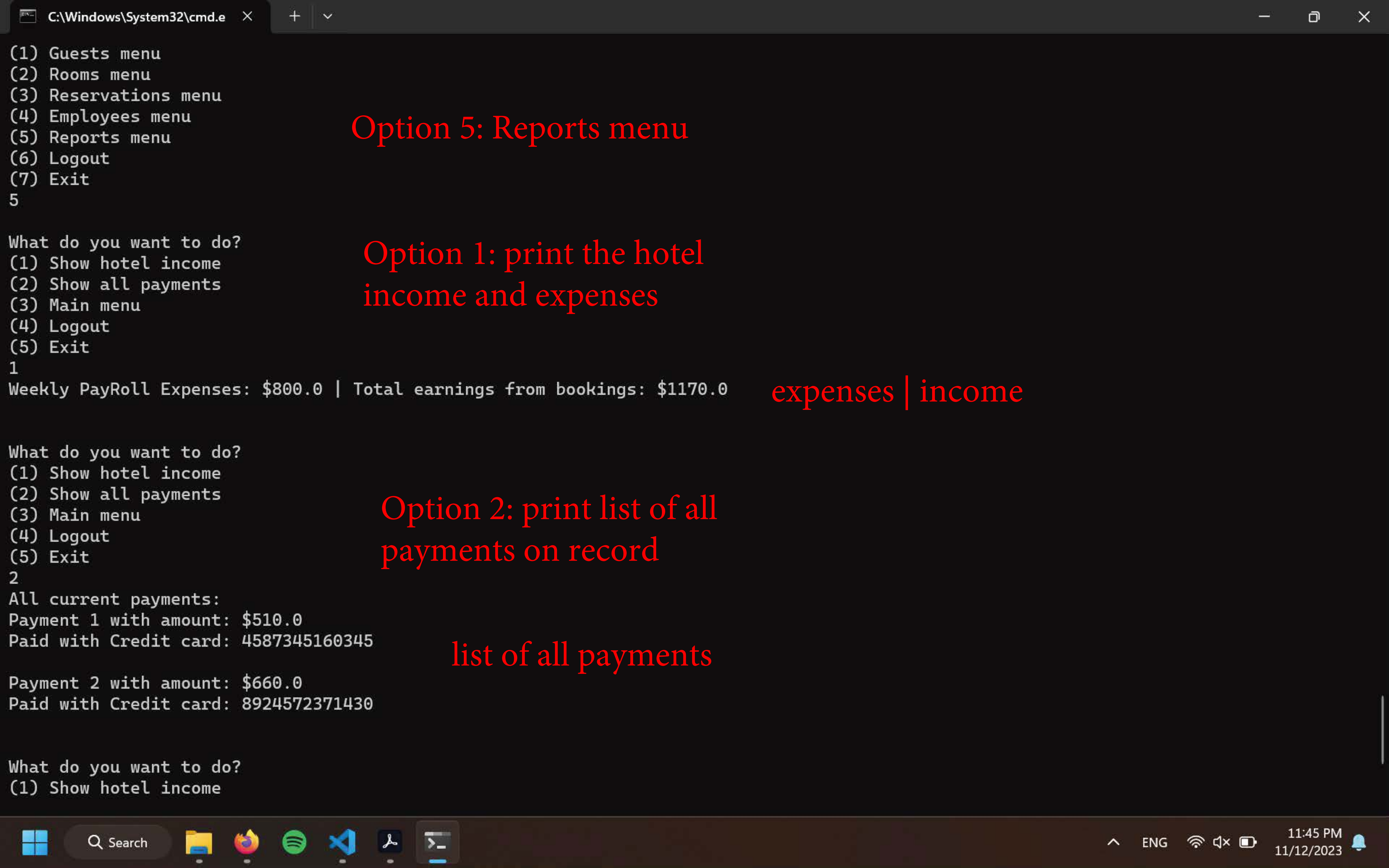Address:
Phone number:
Pay Rate: 100.0
Shift: 8.0

Employee 5: Eduardo Ceh-Varela
Address:
Phone number:
Pay Rate: 20.0
Shift: 8.0

What do you want to do?
(1) Create new employee
(2) Remove employee
(3) Look up employee info
(4) View all employees
(5) Back to main menu
(6) Logout
(7) Quit
5

What would you like to access?
(1) Guests menu
(2) Rooms menu
(3) Reservations menu
(4) Employees menu

```
(1) Guests menu
(2) Rooms menu
(3) Reservations menu
(4) Employees menu
(5) Reports menu
(6) Logout
(7) Exit
5


What do you want to do?
(1) Show hotel income
(2) Show all payments
(3) Main menu
(4) Logout
(5) Exit
1
Weekly PayRoll Expenses: $800.0 | Total earnings from bookings: $1170.0


What do you want to do?
(1) Show hotel income
(2) Show all payments
(3) Main menu
(4) Logout
(5) Exit
2
All current payments:
Payment 1 with amount: $510.0
Paid with Credit card: 4587345160345


Payment 2 with amount: $660.0
Paid with Credit card: 8924572371430


What do you want to do?
(1) Show hotel income
```

Option 5: Reports menu

Option 1: print the hotel income and expenses

expenses | income

Option 2: print list of all payments on record

list of all payments

```
1
Weekly PayRoll Expenses: $800.0 | Total earnings from bookings: $1170.0


What do you want to do?
(1) Show hotel income
(2) Show all payments
(3) Main menu
(4) Logout
(5) Exit
2
All current payments:
Payment 1 with amount: $510.0
Paid with Credit card: 4587345160345

Payment 2 with amount: $660.0
Paid with Credit card: 8924572371430


What do you want to do?
(1) Show hotel income
(2) Show all payments
(3) Main menu
(4) Logout
(5) Exit
4

Select one of the options accordingly to your position:
(1) General Staff
(2) Receptionist
(3) Manager
(4) Quit
4
Bye...

C:\Users\scher\Dokumente\ENMU\CS II\Programs\Fall_23\HotelManagmentSystem\Alternative\HotelManagement\Stage3>
```

Logout option takes the user all the way back to the initial login menu

Exit/Quit option ends the program