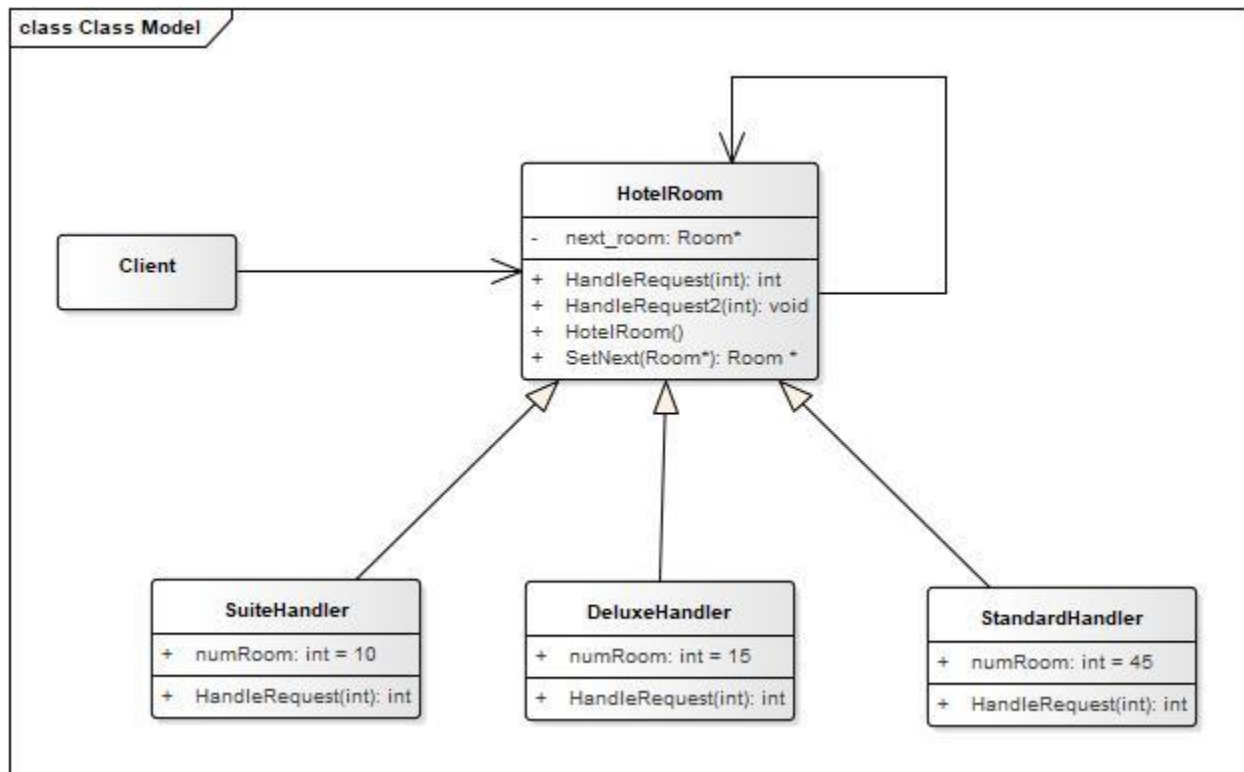


# CIS 476 - Project 2

By: Taylor D. Williams

This project involves implementing a hotel room bidding system that utilizes the chain of responsibility (COR) design pattern. The system allows customers to bid on available hotel rooms, and the COR pattern is used to handle the bid requests.

## UML Class Diagram



# Screenshots of Output Scenarios

Being able to enter bid that fit into all hotel room types

```
C:\Users\denis\OneDrive\Doc x + v
Enter a bid price:
80
Congrats! Your bid has been accepted for a Standard Room!
Enter a bid price:
280
Congrats! Your bid has been accepted for a Suite Room!
Enter a bid price:
133
Congrats! Your bid has been accepted for a Standard Room!
Enter a bid price:
```

Outside of bid range

```
C:\Users\denis\OneDrive\Doc x + v
Enter a bid price:
0
Sorry, your bidding request has been denied, please provide a new bid price!
Enter a bid price:
10094097
Congrats! Your bid has been accepted for a Suite Room!
Enter a bid price:

56
Sorry, your bidding request has been denied, please provide a new bid price!
Enter a bid price:
```

Show statements that prove the process of going through each handler

```
C:\Users\denis\OneDrive\Doc x + v
Enter a bid price:
280
Continue checking suite rooms....
Continue checking deluxe rooms....
Continue checking standard rooms....
Congrats! Your bid has been accepted for a Suite Room!
Enter a bid price:
150
Continue checking suite rooms....
Continue checking deluxe rooms....
Continue checking standard rooms....
Continue checking suite rooms....
Congrats! Your bid has been accepted for a Deluxe Room!
Enter a bid price:
10
Continue checking suite rooms....
Continue checking deluxe rooms....
Continue checking standard rooms....
Continue checking suite rooms....
Continue checking deluxe rooms....
Continue checking standard rooms....
Sorry, your bidding request has been denied, please provide a new bid price!
Enter a bid price:
1000
Continue checking suite rooms....
Continue checking deluxe rooms....
Continue checking standard rooms....
Congrats! Your bid has been accepted for a Suite Room!
Enter a bid price:
|
```