

-reservationList: A -basePrice: float -datePriceModifier: +Hotel(name:String) +generateRooms (noOf +getName(): String +getNoOfRooms(): in +getReservationCour +getRoomList(): Arr +getReservationList +setPrice(newPrice: +setBasePrice(newBa +simulateBooking(rc ch. di +getRoomNo(roomName +getTotalRevenue(): +getReservedRoomCou +setName(newName:St +addRoom(option:int +setDatePriceModifi

String

-roomList: ArrayLis

-name:

Hotel

```
;t<Room>
\rrayList<Reservation>
 float[]
?Rooms:int, start:int): void
ıt
nt(): int
:ayList<Room>
:(): ArrayList<Reservation>
float): void
isePrice:float): void
>omNo:int,checkIn:int,
ieckOut:int,guestName:String,
.scountCode:String): void
::String): int
 float
int(date:int): int
:ring): void
:, num:int): void
.er(date:int, modifier:float): void
```

HotelMa

-hotelList: ArrayI

+HotelManager()

+createHotel(): vc

+viewHotel(): voic

+simulateBooking()

+manageHotel(): vc

+getNoOfHotels():

+getHotelList(): A

ınager

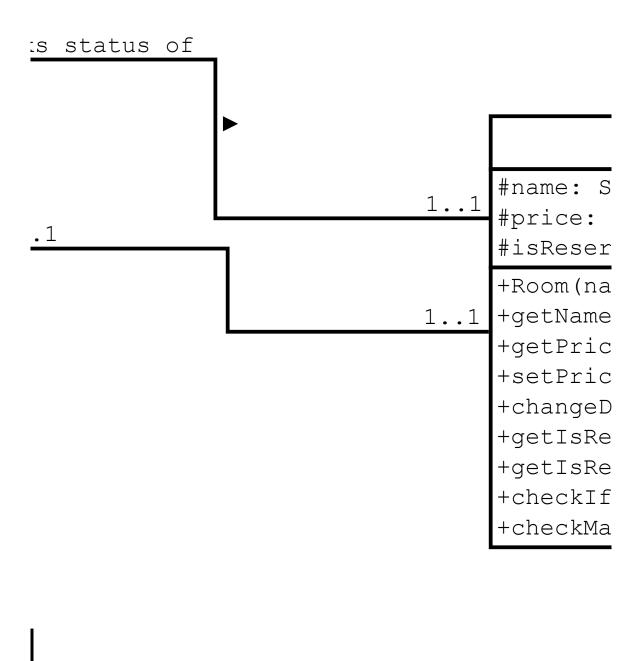
_ist<Hotel>

```
>id
l
: void
>id
int
\rrayList<Hotel>
```

Re

```
-questName: String
-checkIn: int
-checkOut: int
-chosenRoom: Room
-discountCode: String
-pricePerNight: float
-totalPrice: float
-isDiscounted: boolean
+Reservation(guestName:Str:
             checkOut:int,
             discountCode:
+computeTotalPrice(datePrice)
+applyDiscount(discountCode
+getName(): String
+getRoom(): Room
+setRoom(newRoom:Room): vo:
+getcheckIn(): int
+getcheckOut(): int
+getPricePerNight(): float
+getTotalPrice(): float
+checkDiscountCode(discount
+getDiscount(): boolean
```

```
servation
                                     Check
ing,checkIn:int,
chosenRoom:Room,
String, datePriceModifier:float[])
ceModifier:float[]): void
e:String): void
id
tCode:String): boolean
     uses
    1..1
                    1..1
           DiscountCodes
ISCOUNT FLAT: String = "I WORK HERE"
```



```
.er(date:int): float
         1..1
            1..50
        Room
tring
float
ved: boolean[]
me:String,price:float)
(): String
e(): float
e(newPrice:float): void
ayAvailability(day:int): void
servedDay(day:int): boolean
served(): boolean
AllReserved(): boolean
xAvailable(checkIn:int): int
```

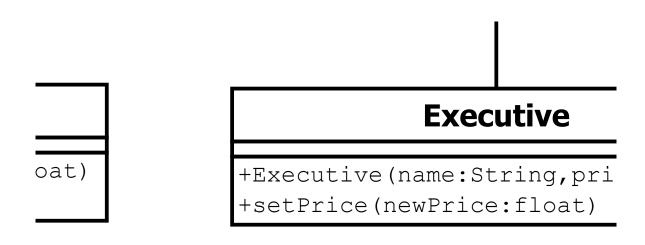
ISCOUNT_GET1FREE: String = "STAY4_GET1"

ISCOUNT_PAYDAY: String = PAYDAY

Deluxe

+Deluxe(name:String,price:fl

+setPrice(newPrice:float)



ce:float)