

-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>
```

```
-guestName: String
-checkIn: int
-checkOut: int
-chosenRoom: Room
-discountCode: String
-pricePerNight: float
-totalPrice: float
-isDiscounted: boolean
+Reservation (questName:St
             checkOut:int
             discountCode
+computeTotalPrice(datePr
+applyDiscount(discountCc
+getName(): String
+getRoom(): Room
+setRoom(newRoom:Room): v
+getcheckIn(): int
+getcheckOut(): int
+getPricePerNight(): floa
+getTotalPrice(): float
+checkDiscountCode(discou
+getDiscount(): boolean
```

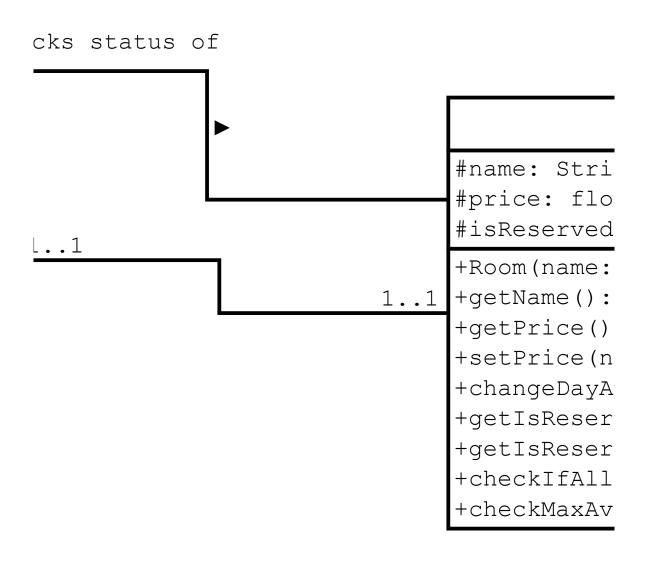
eservation

Che

```
rring, checkIn:int,
., chosenRoom:Room,
::String, datePriceModifier:float[])
iceModifier:float[]): void
ode:String): void

roid

it
intCode:String): boolean
```



```
.er(date:int): float
         1..1
        1..50
    Room
ng
at
: boolean[]
String,price:float)
 String
  float
ewPrice:float): void
vailability(day:int): void
vedDay(day:int): boolean
ved(): boolean
Reserved(): boolean
ailable(checkIn:int): int
```

Deluxe

+Deluxe(name:String,price:float

+setPrice(newPrice:float)



+Executive(name:String,pri
+setPrice(newPrice:float)

_)

ice:float)	