

Hotel

```
st<Room>
ArrayList<Reservation>

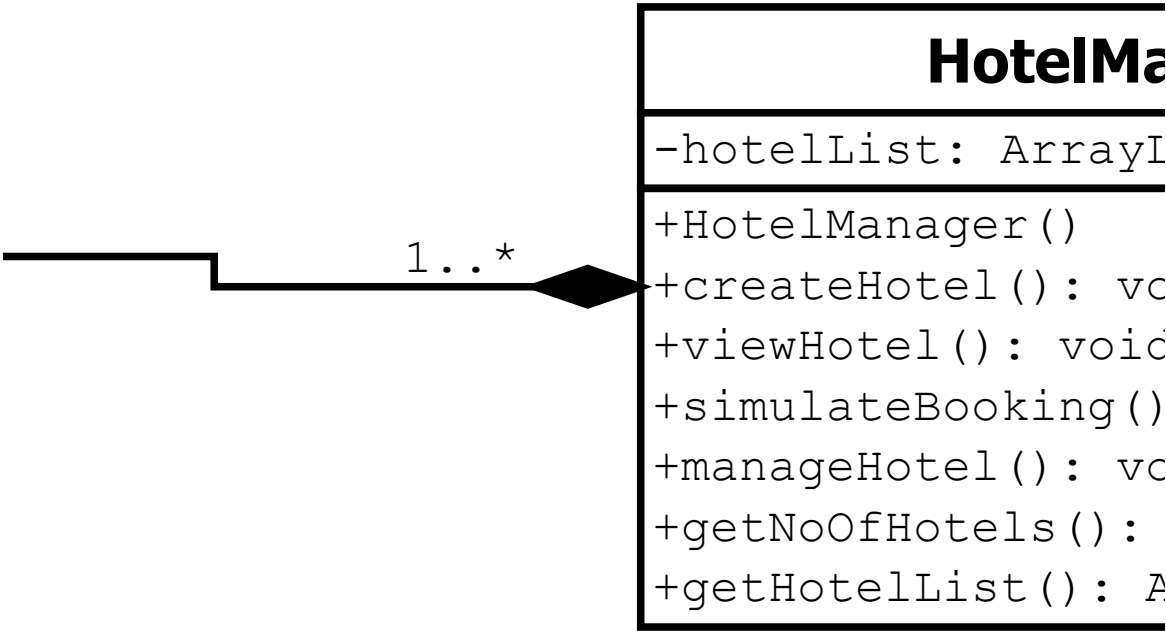
float[]
```

```
Rooms:int,start:int): void
```

1..1

```

it
it(): int
ayList<Room>
:(): ArrayList<Reservation>
float): void
usePrice:float): void
omNo:int,checkIn:int,
eckOut:int,guestName:String,
scountCode:String): void
e:String): int
float
int(date:int): int
tring): void
,num:int): void
er(date:int,modifier:float): void
```



Manager

`List<Hotel>`

`void`

`{`

`: void`

`void`

`int`

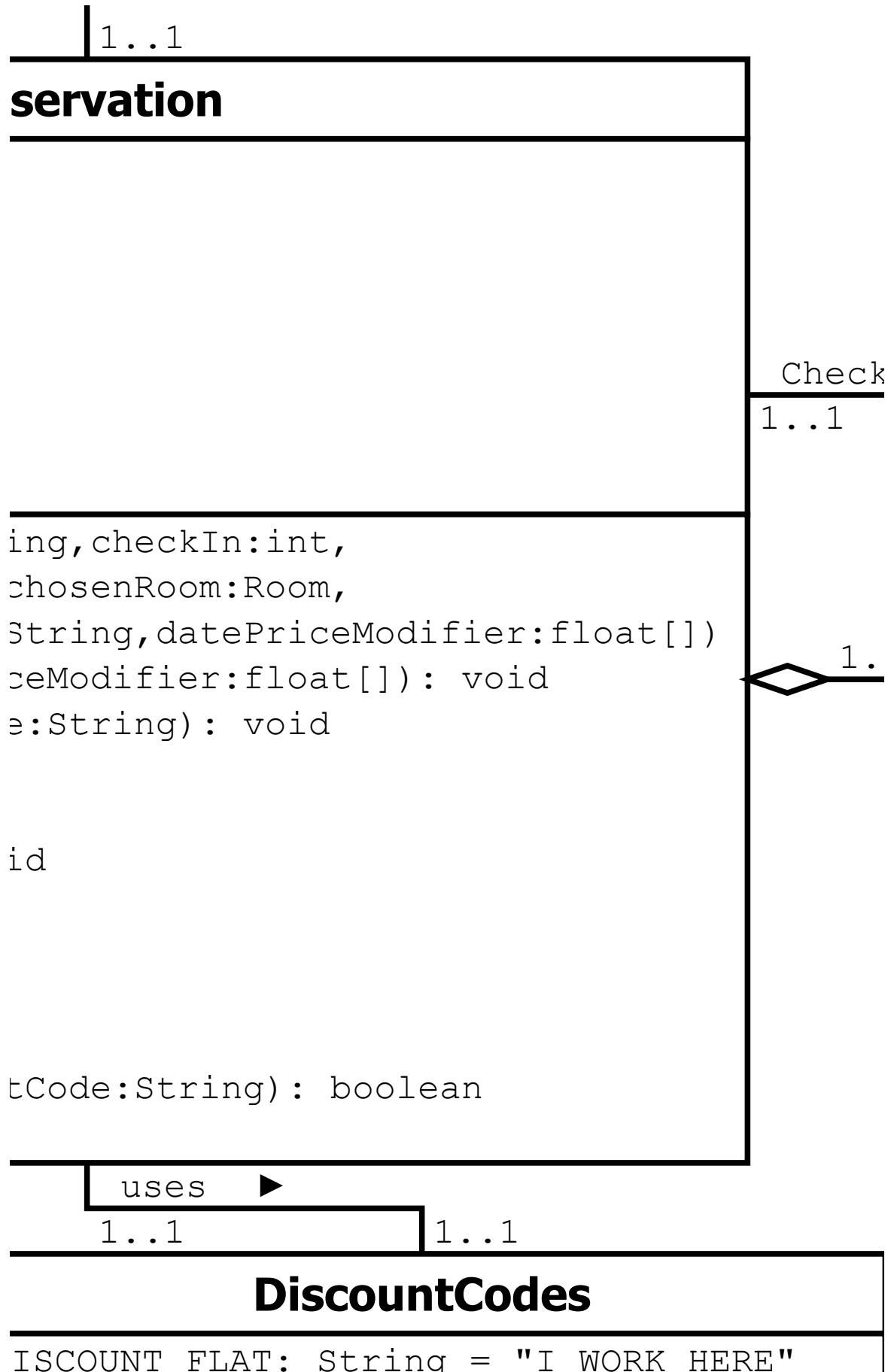
`ArrayList<Hotel>`

Re

```
-guestName: String
-checkIn: int
-checkOut: int
-chosenRoom: Room
-discountCode: String
-pricePerNight: float
-totalPrice: float
-isDiscounted: boolean
```

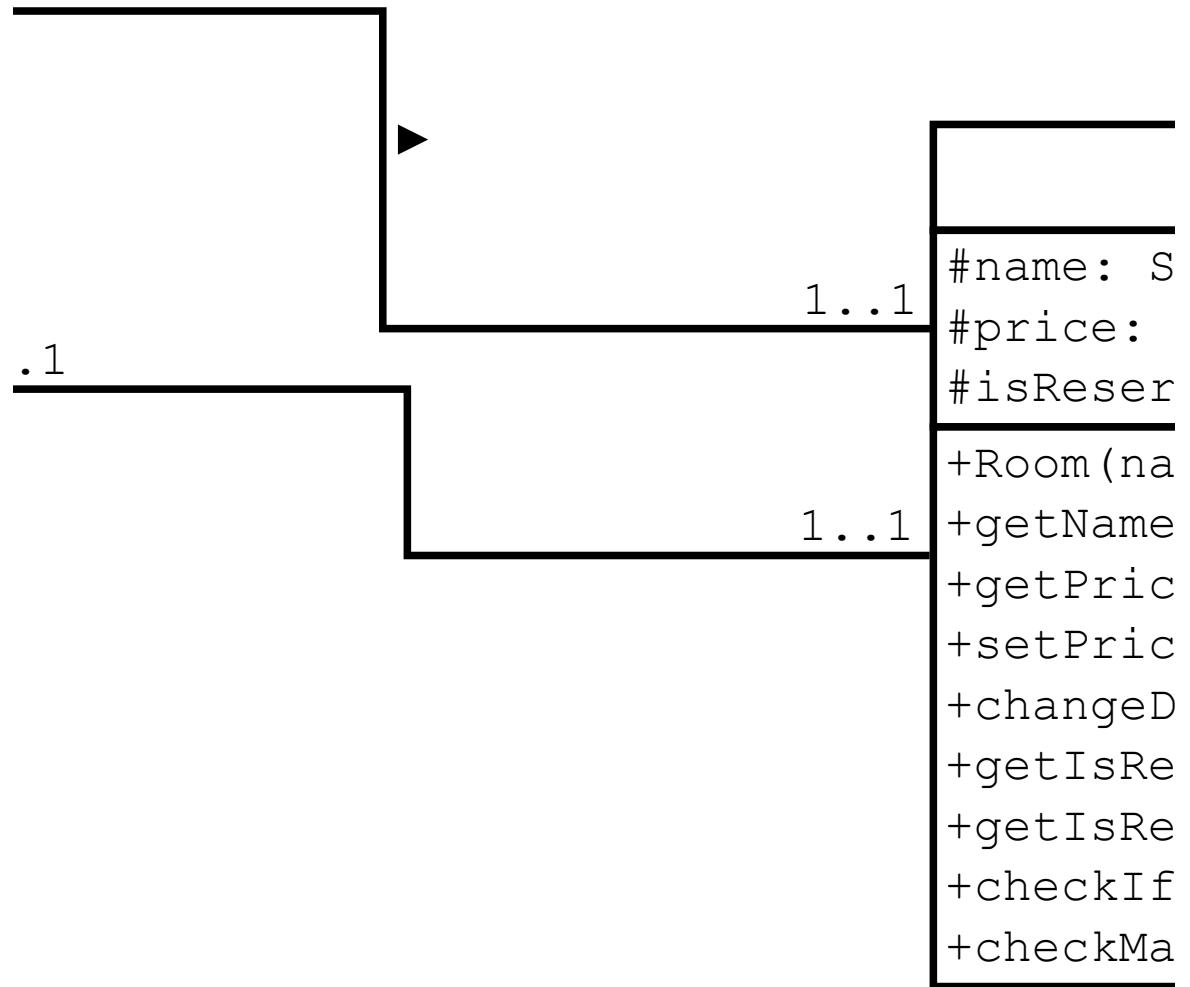
```
+Reservation(guestName:String,
              checkIn:int,
              checkOut:int,
              chosenRoom:Room,
              discountCode:String)
+computeTotalPrice(datePrice:float)
+applyDiscount(discountCode:String)
+getName(): String
+getRoom(): Room
+setRoom(newRoom:Room): void
+getcheckIn(): int
+getcheckOut(): int
+getPricePerNight(): float
+getTotalPrice(): float
+checkDiscountCode(discountCode:String)
+getDiscount(): boolean
```

```
+D
```



+getDatePriceModifi

is status of



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

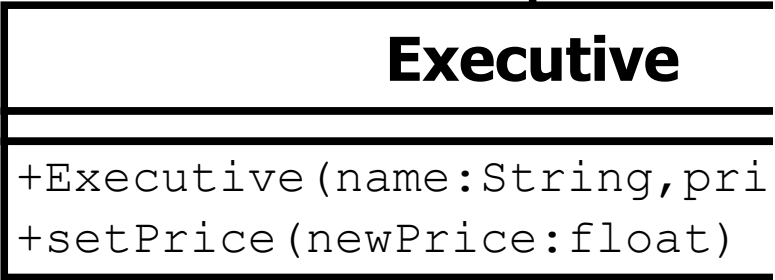
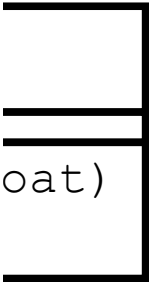
xAvailable(checkIn:int): int

+D
+D

```
ISCOUNT_GET1FREE: String = "STAY4_GET1"  
ISCOUNT_PAYDAY: String = PAYDAY
```

Deluxe

```
+Deluxe (name:String,price:fl  
+setPrice (newPrice:float)
```



ce:float)

