

Hotel

Generated by Doxygen 1.9.3



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# Chapter 1

## Class Index

### 1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<a href="#">Guest</a>	.....	<a href="#">5</a>
<a href="#">Room</a>	.....	<a href="#">5</a>



## Chapter 2

# File Index

### 2.1 File List

Here is a list of all documented files with brief descriptions:

<a href="#">Guest.hpp</a>	.....	??
<a href="#">Room.hpp</a>	.....	??
<a href="#">Types.hpp</a>	.....	??





## Chapter 3

# Class Documentation

### 3.1 Guest Class Reference

The documentation for this class was generated from the following file:

- Guest.hpp

### 3.2 Room Class Reference

#### Public Member Functions

- **Room** (unsigned n, unsigned bC, const [Guest](#) &g)
- unsigned **getNumber** () const
- unsigned **getBedCount** () const
- bool **accomodateHere** (const [Guest](#) &)
- bool **freeRoom** ()

The documentation for this class was generated from the following file:

- Room.hpp



## Chapter 4

# File Documentation

### 4.1 Guest.hpp

```
1 #ifndef __GUEST_HPP
2 #define __GUEST_HPP
3 #include "Room.hpp"
4 #include <cstring>
5
6 class Guest
7 {
8     char *name;
9     Room
10 };
11
12 #endif
```

### 4.2 Room.hpp

```
1 #ifndef __ROOM_HPP
2 #define __ROOM_HPP
3 #include <iostream>
4 #include "Types.hpp"
5 #include "Guest.hpp"
6
7 class Room
8 {
9     unsigned number;
10    unsigned bedCount;
11    const Guest *guest;
12
13 public:
14     Room(unsigned n, unsigned bC, const Guest &g) : number(n), bedCount(bC), guest(&g) {}
15     unsigned getNumber() const { return number; }
16     unsigned getBedCount() const { return bedCount; }
17     bool accomodateHere(const Guest &);
18     bool freeRoom();
19 };
20
21 std::ostream &operator<<(std::ostream &os, const Room &R);
22
23 #endif
```

### 4.3 Types.hpp

```
1 #ifndef __TYPES_HPP
2 #define __TYPES_HPP
3
4 class Room;
5 class Guest;
6 class Reservation;
7 class Hotel;
8
9 #endif
```



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Room, [5](#)