

HOTEL MANAGEMENT SYSTEM

SUBJECT: DISTRIBUTED DATABASE

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D12B

1. Introduction

1.1 Purpose

The purpose is to build a hotel management system. It should facilitate an online portal for booking rooms, bill generation, availability of rooms, check-in and check-out terms etc.

1.2 Perspective

It is a web-based system implementing a client-server model. The portal provides a simple mechanism for users to share and acquire knowledge.

1.3 Functions

The following are the main features that are included in the online portal:

- Cross platform support: Offers operating support for most of the known and commercial operating systems.
- Number of users being supported by the system: Though the number is precisely not mentioned, but the system is able to support a large number of online users at a time.
- Search: Search is simply a local search engine based on keywords.

2. Project Overview

With the continued evolution in technology and an increase in global competition amongst hotel chains, a portal is becoming more and more essential nowadays, where a customer can be benefitted by facilities and can have detailed information, whereas the working staff finds it easy to manage as well.

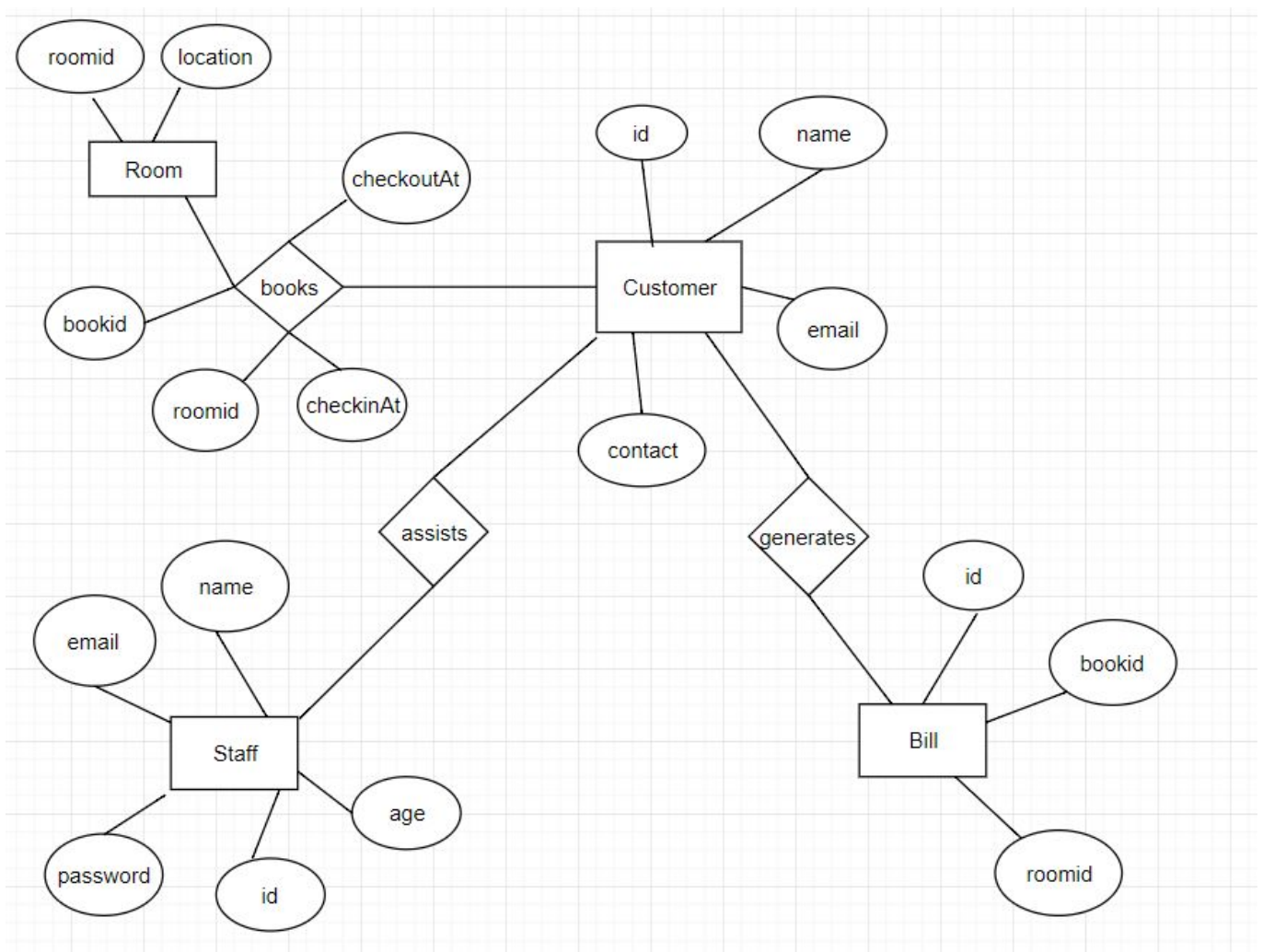
2.1 Operating Environment

The system can be incorporated in the form of a web application in order to have a smooth functionality. The database of this system will be the backbone as it will hold the details of the employees.

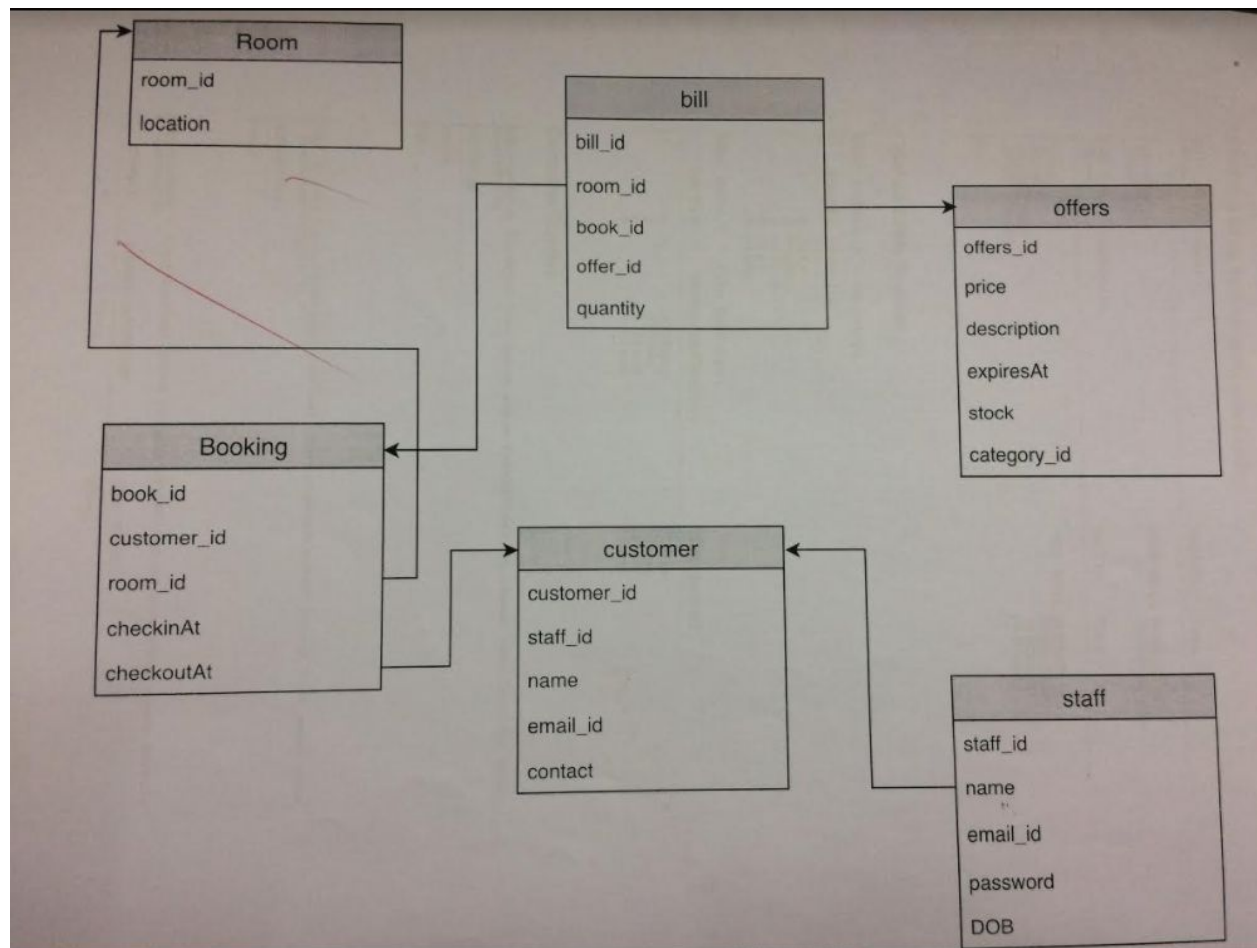
2.2 Assumptions and Dependencies

- The product must have an interface which is simple enough to understand.
- This software highly depends on type and version of browser being installed in the system i.e. browser version should be used which have HTML5 support.
- All necessary hardware and software are available for implementing and use of the tool.
- The proposed system will be designed, developed and implemented based on the software requirement specification document.
- End user should have the basic knowledge of computer and we also assure that the users will be given software training documentation and reference material.
- Employee has a fixed salary and not on commission basis.

ER DIAGRAM



Schema:



Snapshots:

```
SQL> create table book1 as  
2 select bookid, cheeckinAt from D12B18.booking1;
```

Table created.

```
SQL> select * from book1;
```

BOOKID	CHEECKINAT
1	10aug
2	2aug
3	15aug
4	24aug
5	21aug

```
SQL> create table book2 as  
2 select bookid, cheeckoutAt from D12B18.booking1;
```

Table created.

```
SQL> select * from book2;
```

BOOKID	CHEECKOUTAT
1	12aug
2	14aug
3	18aug
4	25aug
5	25aug

```
SQL>
```

```
SQL> create table D12B22.hybrid1 as  
2 (select staffid,name,age from D12B22.staff1);
```

Table created.

```
SQL> select * from D12B22.hybrid1;
```

STAFFID	NAME	AGE
1	Rakesh	29
2	Roshan	32

```
SQL> create table D12B22.hybrid2 as  
2 (select staffid,emailid,password from D12B22.staff1);
```

Table created.

```
SQL> select * from D12B22.hybrid2;
```

STAFFID	EMAILID	PASSWORD
1	abc@gmail.com	123
2	wbc@gmail.com	123

SQL> lock table booking1 in share mode;

Table(s) Locked.

SQL> insert into booking1
2 values(5,2,'25jun','27jun');

1 row created.

SQL> select * from D12B18.booking1;

	BOOKID	ROOMID	CHEECKINAT	CHEECKOUTAT
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1	1	10aug	12aug	
2	2	2aug	14aug	
3	1	15aug	18aug	
4	3	24aug	25aug	

SQL> commit;

Commit complete.