

Practical 9

Database design

List of Tables for Hotel management system for customer booking module:

- Customer
- Booking
- Room
- Room Type
- Payment

Table Name : Customer

Field Name	Datatype	Null	Constraint	Description
CustomerID	Varchar(10)	Not Null	Primary Key	Auto Increment
CustomerName	Varchar(50)	Not Null	-	-
Address	Varchar(100)	Allow Null	-	-
ContactNo	Varchar(15)	Not Null	-	-
Gender	Varchar(10)	Not Null	-	-
IdProof	Varchar(100)	Not Null	-	-
AddressProof	Varchar(100)	Not Null	-	-
ProfileImage	Varchar(100)	Not Null	-	-
Status	Varchar(10)	Not Null	-	-

Table Name : Room

Field Name	Datatype	Null	Constraint	Description
RoomID	Varchar(10)	Not Null	Primary Key	Auto Increment
RoomTypeID	Varchar(50)	Not Null	Foreign Key	Reference of Room Type table
RoomNumber	Varchar(10)	Not Null	-	-
Status	Varchar(10)	Not Null	-	-

Table Name : Room Type

Field Name	Datatype	Null	Constraint	Description
RoomTypeID	Varchar(10)	Not Null	Primary Key	Auto Increment
RoomType	Varchar(100)	Not Null	-	-
RoomImage	Varchar(100)	Allow Null	-	-
Description	Varchar(100)	Allow Null	-	-
Cost	Float(10,2)	Not Null	-	-
Status	Varchar(10)	Not Null	-	-

Table Name : Booking

Field Name	Datatype	Null	Constraint	Description
BookingID	Varchar(10)	Not Null	Primary Key	Auto Increment
RoomID	Varchar(10)	Not Null	Foreign Key	Reference of Room table
CustomerID	Varchar(10)	Not Null	Foreign Key	Reference of Customer table
BookingDate	Date	Not Null	-	-
CheckIn	DateTime	Not Null	-	-
CheckOut	DateTime	Not Null	-	-
Special Request	Varchar(100)	Allow Null	-	-

Table Name : Payment

Field Name	Datatype	Null	Constraint	Description
PaymentID	Varchar(10)	Not Null	Primary Key	Auto Increment
BookingID	Varchar(10)	Not Null	Foreign Key	Reference of Booking Table
Amount	Float(10,2)	Not Null	-	-
PaymentType	Varchar(20)	Not Null	-	-
PaymentDetail	Varchar(100)	Allow Null	-	-
PaymentDate	Date	Not Null	-	-
Status	Varchar(10)	Not Null	-	-

List of Changes

Sr. No	Changes Description

Design Date	Verification Date	Verified By	Approved Date	Approved By