

ONLINE HOTEL BOOKING SYSTEM

Project Introduction

In the project two segment will be complete below these:

1. HOTEL'S CAR PARKING RESERVATION
 2. HOTEL ROOM BOOKING
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IMPLEMENTATION OF CAR PARKING

1. User Login page
2. Manage Parking space page
3. Slots Page
4. Booking Page
5. Confirmation Booking page
6. Release Car Page

LIST OF CAR PARKING TABLES

User:

- UserID (Primary Key)
- FirstName
- LastName
- Email
- Password
- PhoneNumber

ParkingSpace:

- ParkingSpaceID (Primary Key)
- Name
- Location
- TotalSlots

Slot:

- SlotID (Primary Key)
- ParkingSpaceID (Foreign Key)
- SlotNumber
- AvailabilityStatus

Booking:

- BookingID (Primary Key)
- UserID (Foreign Key)
- ParkingSpaceID (Foreign Key)
- SlotID (Foreign Key)
- CheckInDateTime
- CheckOutDateTime
- TotalCost
- BookingStatus (confirmed, canceled)

Confirmation:

- ConfirmationID (Primary Key)
- BookingID (Foreign Key)
- ConfirmationDateTime
- ConfirmationCode
- ConfirmationID

Database will be maintain in MYSQL for CAR PARKING

+-----+	+-----+	+-----+	+-----+	+-----+
User	ParkingSpace	Slot	Booking	Confirmation
+-----+	+-----+	+-----+	+-----+	+-----+
UserID (PK)	ParkingSpaceID (PK)	SlotID (PK)	BookingID (PK)	ConfirmationID (PK)
FirstName	Name	ParkingSpaceID (FK)	UserID (FK)	BookingID (FK)
LastName	Location	SlotNumber	ParkingSpaceID (FK)	ConfirmationDateTime
Email	TotalSlots	AvailabilityStatus	SlotID (FK)	ConfirmationCode
Password	+-----+	+-----+	CheckInDateTime	+-----+
PhoneNumber			CheckOutDateTime	
			TotalCost	
+-----+			BookingStatus	
			+-----+	

PK denotes Primary Key.

FK denotes Foreign Key, representing a link to the primary key of another table.

IMPLEMENTATION OF HOTEL BOOKING

As a Admin Activity

1. Admin Login Page
2. Admin Menu Page
3. Change Price and Quantity Page
4. Change Room Information Page
5. View Users' Profiles Page
6. Create New Administrators Page
7. Change Users' Records Page
8. Cancel Users' Records Page
9. Change Contact us Page

As a User Activity

1. Register Page
2. User Login Page
3. Main Page - Login Already
4. Booking Details Page
5. Room Information Page
6. Confirm Booking Page
7. Change Booking Details Page
8. Booking Updated Page
9. Price Details Page
10. Payment Page
11. Booking Completed Page
12. View Booking Details Page
13. Cancel Booking Determined
14. Booking Cancelled Page
15. View my Profile Page

LIST OF HOTEL BOOKING TABLES

User:

- UserID (Primary Key)
- FirstName
- LastName
- Email
- Password
- PhoneNumber

Booking:

- BookingID (Primary Key)
- UserID (Foreign Key)
- RoomID (Foreign Key)
- CheckInDate
- CheckOutDate
- TotalCost
- BookingStatus (confirmed, pending, canceled)

Room:

- RoomID (Primary Key)
- RoomNumber
- Type (single, double, suite)
- PricePerNight
- AvailabilityStatus

Profile:

- ProfileID (Primary Key)
- UserID (Foreign Key)
- AdditionalProfileDetails

Admin:

- AdminID (Primary Key)
- AdminUsername
- AdminPassword

AdminActivityLog:

- LogID (Primary Key)
- AdminID (Foreign Key)
- ActivityType (login, change_price, change_quantity, etc.)

Database will be maintain in MYSQL for HOTEL BOOKING

+-----+	+-----+	+-----+	+-----+
User	Booking	Room	Profile
+-----+	+-----+	+-----+	+-----+
UserID (PK)	BookingID (PK)	RoomID (PK)	ProfileID (PK)
FirstName	UserID (FK)	RoomNumber	UserID (FK)
LastName	RoomID (FK)	Type	AdditionalDetails
Email	CheckInDate	PricePerNight	+-----+
Password	CheckOutDate	AvailabilityStatus	
PhoneNumber	TotalCost	+-----+	
	BookingStatus		
+-----+	+-----+		
+-----+	+-----+		
Admin	AdminActivityLog		
+-----+	+-----+		
AdminID (PK)	LogID (PK)		
AdminUsername	AdminID (FK)		
AdminPassword	ActivityType		
+-----+	Timestamp		
	+-----+		

PK denotes Primary Key.

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