

TABLE DESIGNS

1. Tbl Users

Primary key: User_id

No:	Field name	Datatype (Size)	Description of the field
1	User_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	GoogleId	String	Unique Google ID associated with the user
3	DisplayName	String	The display name of the user
4	Image	String	URL of the user's profile image
5	Email	String	The user's email address
6	Password	String	Encrypted password for the user
7	Otp	String	One Time Password
8	OtpExpires	String	Expiry time for OTP
9	Dob	String	Date of birth
10	Address	String	Address of the user
11	Phone_no	String	User's phone number

2. Tbl Rooms

Primary Key: Room_id

No:	Field name	Datatype (Size)	Description of the field
1	Room_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	Roomno	Varchar(50)	Room number (Unique identifier for the room)
3	Roomtype	Varchar(100)	Type of room (e.g., Single, Double, Suite)
4	Status	Varchar(50)	Room status (e.g., Available, Reserved, Occupied)
5	Rate	Decimal(10, 2)	Room rate per night

6	Description	Text	Brief description of the room
7	Images	Array of Varchar(255)	Array of image URLs for the room

3. Tbl Reservations

Primary Key: Reservation_id

Foregin Key: User_id (References Table:_Tbl_Users),

Room_id (References Table:_Tbl_Rooms)

No:	Field name	Datatype (Size)	Description of the field
1	Reservation_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	User_id	ObjectId	Reference to the registered user (from Tbl_Users)
3	Room_id	ObjectId	Reference to the room being reserved (from Tbl_Rooms)
4	Check_in	Date	Date of guest check-in
5	Check_out	Date	Date of guest check-out
6	Booking_date	Date	Date when the reservation was made
7	Status	Varchar(50)	Current status of the reservation (e.g., Booked, Cancelled)
8	Check_in time	Datetime	Time of check-in (optional for future use)
9	Check out time	Datetime	Time of check-out (optional for future use)
10	Total amount	Decimal(10, 2)	Total cost of the reservation
11	Guestids	Array of ObjectId	Array of guest IDs associated with the reservation (from Tbl_Guest)
12	Totaldays	Varchar(10)	Total number of days for the reservation
13	Is_verified	Varchar(10)	Verification status of the reservation (Yes/No)
14	Cancel_date	Date	Date the reservation was canceled (if applicable)

4. Tbl Staffs

Primary Key: Staff_id

No:	Field name	Datatype (Size)	Description of the field
1	Staff_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	DisplayName	Varchar(100)	The display name of the staff member

3	Image	Text	URL of the staff member's profile image
4	Email	Varchar(100)	The staff member's email address
5	Password	Text	Encrypted password for the staff member
6	Phone no	Varchar(15)	Phone number of the staff member
7	Role	Varchar(50)	Role of the staff (e.g., Admin, Housekeeping, Maintenance)
8	Address	Varchar(255)	Address of the staff member
9	Dob	Date	Date of birth of the staff member
10	Salary	Decimal(10, 2)	Salary of the staff member
11	Feedback	Text	Feedback or performance comments
12	Availability	Boolean	Availability status of the staff member (True/False)
13	Otp	Varchar(6)	One-time password (OTP) for verification
14	OtpExpires	Datetime	Expiry time for OTP

4. Tbl Maintenance Job

Primary Key: Maintenance_id

Foregin Key: Staff_id (References Table: Tbl_Staffs),

Room_id (References Table: Tbl_Rooms),

No:	Field name	Datatype (Size)	Description of the field
1	Maintenance_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	Staff_id	ObjectId	ID of the staff member assigned to the maintenance job (Reference to the Table Tbl_Satffs)
3	Room_id	ObjectId	ID of the room where the maintenance job is to be performed(Reference to the Table Tbl_Rooms)
4	Task_description	Text	Detailed description of the maintenance task
5	Task_date	Date	Date when the maintenance task is scheduled
6	Status	Varchar(50)	Current status of the task (e.g., Pending, Completed)
7	Photos	Array of Varchar(255)	Array of image URLs showing the condition or progress of the job
8	CompletedAt	Datetime	Date and time when the maintenance job was completed

9	CleaningRequired	Varchar(50)	Indicator for whether cleaning is required after the maintenance
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5. Tbl LeaveForm

Primary Key: Leave_id

Foregin Key: Staff_id (References Table:_Tbl_Staffs)

No:	Field name	Datatype (Size)	Description of the field
1	Leave_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	Staff_id	ObjectId	ID of the staff member applying for leave(Reference to the Table Tbl_Staffs)
3	LeaveType	Varchar(50)	Type of leave (e.g., Sick, Vacation, Emergency)
4	StartDate	Date	Start date of the leave period
5	EndDate	Date	End date of the leave period
6	Reason	Text	Reason for applying for leave
7	Appliedon	Date	Date when the leave was applied
8	Approvedon	Date	Date when the leave was approved
9	CleaningRequired	Varchar(50)	Indicator for whether cleaning is required after the maintenance

6. Tbl Housekeeping Job

Primary Key: Housekeepingjob_id

Foregin Key: Staff_id (References Table:_Tbl_Staffs),

Room_id (References Table:_Tbl_Rooms)

No:	Field name	Datatype (Size)	Description of the field
1	Housekeepingjob_id	ObjectId	Unique identifier (auto-generated by MongoDB)

2	Staff_id	ObjectId	ID of the housekeeping staff member assigned to the task. (Reference to the Table Tbl_Staffs)
3	Room_id	Varchar(50)	ID of the room where the housekeeping job is to be performed. (Reference to the Table Tbl_Rooms)
4	Task_description	Text	Detailed description of the housekeeping task
5	Task_date	Date	Date when the housekeeping task is scheduled
6	Status	Varchar(50)	Current status of the task (e.g., Pending, Completed)
7	Photos	Array of Varchar(255)	Array of image URLs showing the room condition before/after cleaning
8	CompletedAt	Datetime	Date and time when the housekeeping job was completed
9	MaintenanceRequired	Varchar(50)	Indicator if maintenance is required after the housekeeping task

7. Tbl_Billing

Primary Key: Billing_id

Foregin Key: User_id (References Table: Tbl_Users),

Reservation_id (References Table: Tbl_Reservations)

No:	Field name	Datatype (Size)	Description of the field
1	Billing_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	UserId	ObjectId	Reference to the user (from Tbl_Users)
3	PaymentId	Varchar(100)	Unique payment identifier for tracking transactions
4	TotalRate	Decimal(10, 2)	Total amount for the stay based on room rate
5	TotalDays	Integer	Total number of days for which the room is reserved
6	OrderDate	Datetime	Date when the bill was generated
7	Status	Varchar(50)	Current status of the payment (e.g., Pending, Confirmed)
8	ReservationId	ObjectId	Reference to the reservation (from Tbl_Reservations)

8. Tbl_Guest

Primary Key: Guest_id

Foregin Key: User_id (References Table:_Tbl_Users)

No:	Field name	Datatype (Size)	Description of the field
1	Guest_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	UserId	ObjectId	Reference to the user (from Tbl_Users)
3	Name	String	Name of the guest
4	Email	String	Email address of the guest
5	Phone	String	Phone number of the guest
6	Address	String	Address of the guest
7	Dob	Date	Date of birth of the guest
8	Role	String	Role of the guest (e.g., Guest, Admin)
9	ProofType	String	Type of proof document

9. Tbl_Attendance

Primary Key: Attendance_id

Foregin Key: Staff_id (References Table:_Tbl_Staffs)

No:	Field name	Datatype (Size)	Description of the field
1	Attendance_id	ObjectId	Unique identifier (auto-generated by MongoDB)
2	StaffId	ObjectId	Identifier for the staff member (Reference to the Table Tbl_Staffs)
3	Date	Date	Date of the attendance record
4	Present	Boolean	Indicates whether the staff member was present

Tbl MenuItems

Primary Key: MenuItem_id

No:	Field name	Datatype (Size)	Description of the field
1	MenuItem_id	ObjectId	Unique identifier (auto-generated by MongoDB).
2	Name	Varchar(255)	Name of the menu item.
3	Description	Text	Detailed description of the menu item.
4	Price	Decimal(10, 2)	Price of the menu item.
5	Category	Varchar(255)	Category of the menu item (e.g., starters, main course).
6	Foodtype	Varchar(10)	Indicates if the item is Veg or Non-Veg.
7	Image	Text	URL of the menu item's image.
8	IsAvailable	Boolean	Availability status of the menu item (true/false).
9	PreparationTime	Integer	Approximate time required to prepare the item (in minutes).
10	SpecialTags	Array of Varchar(255)	Array of special tags (e.g., gluten-free, keto).
11	SpicyLevel	Varchar(50)	Spiciness level of the item (e.g., Not Spicy, Mild, etc.).
12	Quantity	Integer	Total quantity of the item (default is 1).
13	AvailableQuantity	Integer	Currently available quantity of the menu item.
14	LastResetDate	Date	Date when the quantity was last reset.
15	CreatedAt	Datetime	Auto-generated field for record creation timestamp.
16	UpdatedAt	Datetime	Auto-generated field for the last update timestamp.

Tbl_Orders

Primary Key: Order_id

Foreign Keys:

- **User_id** (References Tbl_Users)
- **MenuItem_id** (References Tbl_MenuItems)
- **TableReservation_id** (References Tbl_TableReservations)

No:	Field Name	Datatype (Size)	Description of the Field
1	Order_id	ObjectId	Unique identifier (auto-generated by MongoDB).
2	User_id	ObjectId	Reference to the registered user (from Tbl_Users).
3	Items	Array	Array of items included in the order.
4	MenuItem_id	ObjectId	Reference to a menu item (from Tbl_MenuItems).
5	Quantity	Integer	Quantity of the specific menu item in the order.
6	Price	Decimal(10, 2)	Price of the specific menu item in the order.
7	SpecialInstructions	Text	Special instructions for the preparation of the item.
8	TotalAmount	Decimal(10, 2)	Total amount for the order.
9	PaymentDetails	JSON	Contains Razorpay payment details.
10	Razorpay_payment_id	Varchar(255)	Razorpay payment ID.
11	Razorpay_order_id	Varchar(255)	Razorpay order ID.
12	Razorpay_signature	Varchar(255)	Razorpay payment signature.

No:	Field Name	Datatype (Size)	Description of the Field
13	Status	Varchar(50)	Current status of the order (e.g., pending, confirmed, etc.).
14	OrderDate	Date	Date the order was placed.
15	OrderType	Varchar(50)	Type of order (e.g., dine-in, takeaway, delivery).
16	DeliveryAddress	JSON	Delivery address details for delivery orders.
17	Street	Varchar(255)	Street address for delivery.
18	City	Varchar(100)	City for delivery.
19	State	Varchar(100)	State for delivery.
20	ZipCode	Varchar(20)	ZIP code for delivery.
21	CancellationDetails	JSON	Details of the cancellation (if applicable).
22	CancelledAt	Date	Date and time when the order was canceled.
23	CancelledBy	ObjectId	Reference to the user who canceled the order (from Tbl_Users).
24	Reason	Text	Reason for order cancellation.
25	TableReservation_id	ObjectId	Reference to a table reservation (from Tbl_TableReservations).
26	CreatedAt	Datetime	Auto-generated field for record creation timestamp.
27	UpdatedAt	Datetime	Auto-generated field for the last update timestamp.

Tbl Tables

Primary Key: Table_id

No:	Field Name	Datatype (Size)	Description of the Field
1	Table_id	ObjectId	Unique identifier (auto-generated by MongoDB).
2	TableNumber	Varchar(50)	Unique number assigned to the table.
3	Capacity	Integer	Seating capacity of the table (minimum 1).
4	Location	Varchar(50)	Location of the table (e.g., Indoor, Outdoor, Balcony).
5	IsAvailable	Boolean	Availability status of the table (true/false).
6	Status	Varchar(50)	Current status of the table (e.g., Available, Occupied, Reserved, Maintenance).
7	CreatedAt	Datetime	Auto-generated field for record creation timestamp.
8	UpdatedAt	Datetime	Auto-generated field for the last update timestamp.

Tbl_TableReservations

Primary Key: TableReservation_id

Foreign Keys:

- User_id (References Table: **Tbl_Users**)
- Table_id (References Table: **Tbl_Tables**)

No:	Field Name	Datatype (Size)	Description of the Field
1	TableReservation_id	ObjectId	Unique identifier (auto-generated by MongoDB).
2	User_id	ObjectId	Reference to the user making the reservation (from Tbl_Users).
3	Table_id	ObjectId	Reference to the reserved table (from Tbl_Tables).
4	TableNumber	Varchar(50)	The number of the reserved table.
5	ReservationDate	Date	The date of the table reservation.
6	Time	Varchar(10)	The time of the table reservation (e.g., 6:00 PM).

No:	Field Name	Datatype (Size)	Description of the Field
7	NumberOfGuests	Integer	Number of guests for the reservation (minimum 1).
8	SpecialRequests	Varchar(255)	Additional requests or preferences specified by the user.
9	Status	Varchar(50)	Current status of the reservation (e.g., pending, confirmed, cancelled, completed).
10	CreatedAt	Datetime	Auto-generated field for record creation timestamp.
11	UpdatedAt	Datetime	Auto-generated field for the last update timestamp.

Tbl_Payments

Primary Key: Payment_id

Foreign Key: Order_id (References Table: **Tbl_Orders**)

No:	Field Name	Datatype (Size)	Description of the Field
1	Payment_id	ObjectId	Unique identifier (auto-generated by MongoDB).
2	Order_id	ObjectId	Reference to the order associated with this payment (from Tbl_Orders).
3	RazorpayOrderId	Varchar(255)	Unique Razorpay order ID for tracking the payment.
4	RazorpayPaymentId	Varchar(255)	Unique Razorpay payment ID for the transaction.
5	Amount	Decimal(10, 2)	Total payment amount in currency format.
6	Status	Varchar(50)	Payment status (e.g., SUCCESS, FAILED, PENDING).
7	PaymentDate	Date	The date when the payment was made.

No:	Field Name	Datatype (Size)	Description of the Field
8	CreatedAt	Datetime	Auto-generated field for record creation timestamp.
9	UpdatedAt	Datetime	Auto-generated field for the last update timestamp.

Tbl_Cart

Primary Key: Cart_id

Foreign Keys:

- MenuItem_id (References Table: **Tbl_MenuItems**)
- User_id (References Table: **Tbl_Users**)

No	Field Name	Datatype (Size)	Description of the Field
1	Cart_id	ObjectId	Unique identifier (auto-generated by MongoDB).
2	MenuItem_id	ObjectId	Reference to the menu item (from Tbl_MenuItems).
3	AvailableQuantity	Integer	Number of items available in the inventory.
4	Quantity	Integer	Quantity of the menu item added to the cart.
5	SubTotal	Decimal(10, 2)	Subtotal for the menu item (Quantity × Item Price).
6	User_id	ObjectId	Reference to the user who owns the cart (from Tbl_Users).
7	SpecialInstructions	Varchar(255)	Custom instructions for the menu item in the cart.
8	CartTotal	Decimal(10, 2)	Total amount for all items in the cart.
9	CreatedAt	Datetime	Auto-generated field for record creation timestamp.
10	UpdatedAt	Datetime	Auto-generated field for the last update timestamp.

Tbl_QRCodes

Primary Key: QRCode_id

Foreign Keys:

- Reservation_id (References Table: **Tbl_Reservations**)

No	Field Name	Datatype (Size)	Description of the Field
1	QRCode_id	ObjectId	Unique identifier (auto-generated by MongoDB).
2	Reservation_id	ObjectId	Reference to the reservation (from Tbl_Reservations).
3	Data	Text	Encoded data for the QR code (e.g., reservation details).
4	Type	Enum ('checkin', 'checkout')	Specifies whether the QR code is for check-in or check-out.
5	ExpiresAt	Datetime	Expiry date and time for the QR code.
6	CreatedAt	Datetime	Auto-generated field for record creation timestamp.