

# USER

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
Name	VARCHAR	
Contact	VARCHAR	
DOB	DATE	
Position	VARCHAR	NOT NULL

# FOOD ITEMS

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
Item_name	VARCHAR	
Cost	INT	
Qunatity	INT	
Booking_id	INT	FOREIGN KEY NOT NULL

# INVOICE

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
Name	VARCHAR	
Amount	INT	
Invoice_date	DATE	
Booking_id	INT	FOREIGN KEY NOT NULL

# REFUNDS

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
Status	VARCHAR	DEFAULT 'pending'
Booking_date	Date	NOT NULL
created_at	DATE	DEFAULT CURRENT_DATE
Booking_id	INT	FOREIGN KEY NOT NULL

# PRICING RULE

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
Name	VARCHAR	
Multiplier	FLOAT	NOT NULL

# SERVICE

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
Name	VARCHAR	UNIQUE
Price	INT	NOT NULL

# HALL

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
Name	VARCHAR	
Capacity	INT	
morningprice	INT	CHECK > 0
eveningprice	INT	CHECK > 0
morningstatus	BOOLEAN	DEFAULT TRUE
morningstatus	BOOLEAN	DEFAULT TRUE

# BOOKING

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
User_id	INT	FOREIGN KEY NOT NULL
Hall_id	INT	FOREIGN KEY NOT NULL
Event_date	DATE	NOT NULL
numofppl	INT	CHECK > 0
status	VARCHAR	DEFAULT PENDING
rule	FLOAT	FOREIGN KEY NOT NULL

# PAYMENT

Attribute	Data Type	Constraint
ID	INT	PRIMARY KEY NOT NULL
User_id	INT	FOREIGN KEY NOT NULL
Hall_id	INT	FOREIGN KEY NOT NULL
payment_date	DATE	DEFAULT CURRENT_DATE
amount	INT	CHECK > 0
status	VARCHAR	DEFAULT PENDING
Name	VARCHAR	

# INDEXES

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1. Bookingusers: Very commonly searched to look for bookings for a specific user.
2. Bookingslots: Very commonly searched to look for booking slots.
3. Bookingpayments: Very commonly searched to see payments associated with bookings.
4. Bookingrefunds: Very commonly searched to see refunds associated with bookings.

# USER ROLES

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1. Admin: Has full control over the database.
2. Staff: Has read access to the whole database but can only edit booking status, approve payments and refunds.
3. Customer: Can only view available bookings and add a new booking.