

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

- 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

- 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.