REPOSITORY The Paisley Event Association

This document outlines our planned data base for The Paisley Event Association. This was created during the planning phase of our project. The details of this document be subject to change.

Contents

1. ENTITY TYPE DESCRIPTIONS

ENTITY TYPE	Description	Synonyms, aliases	Occurrence
Artist	The artist is the performer who headlines the performance.	Artist ID, Full Name, Email, Phone, Special Request	There must be at least one artist per event. It is possible to have multiple artists performing at an event.
Event	The event is the affair which features artists, performing at a venue, in which client's book to attend.	Event ID, Event name, Event date, Price	There may be many different events. Each event has its own artist/s, venue, bookings, and clients.
Venue	The venue is where the event is held.	Venue ID, Venue name, location, Capacity	1 of 3 different venues. There may be more venues in the future.
Booking	A booking is where a customer pays for a ticket/s at the event.	Booking Number, Booking date, Expiry date, Number of tickets, Status	The number of bookings made by clients for an event. A booking may only have one client but the number of tickets may be more.
Client	The client is the customer who makes a booking.	Phone number	A client makes a booking. Hence, the number of bookings matches the number of clients

2. ATTRIBUTE TYPE DESCRIPTIONS

Artist

Attribute type	Description	Data type	Value required	Identity attribute or part of it	Special domain
Artist ID	A unique ID attributed to each artist	Integer	YES	Yes	-
Full Name	The full name of the artist/group	Text	YES	No	-
Email	The email for communication, also unique	Text	YES	No	-
Phone	The phone for communication, also unique	Text	YES	No	-
Special Request	A string outlining artist preference, no format required	Text	No	No	-

Event

Attribute type	Description	Data type	Value required	Identity attribute or part of it	Special domain
Event ID	A unique ID attributed to each event	Integer	YES	Yes	-
Event name	A string naming the event	Text	YES	No	-
Event date	The event dates	Date	YES	No	Valid date format
Price	The price per 1 ticket	Decimal	YES	No	-
Status	The status regarding the status of the event. 'O'= Ongoing 'C'= Cancelled.	Text	YES	No	'O', 'C'

Venue

Attribute type	Description	Data type	Value required	Identity attribute or part of it	Special domain
Venue ID	A unique ID attributed to each venue	Integer	YES	Yes	-
Venue name	A string naming the venue	Text	YES	No	-
Location	A string naming the location	Text	YES	No	-
Capacity	The maximum capacity of the venue	Integer	YES	No	-

Booking

Attribute type	Description	Data type	Value required	Identity attribute or part of it	Special domain
Booking Number	A unique ID attributed to each booking	Integer	YES	Yes	-
Booking date	The date of the booking	Date	YES	No	Valid date format
Expiry date	The date of which the booking expires	Date	YES	No	Valid date format
Number of tickets	Number of tickets bought	Integer	YES	No	-
Status	The status regarding the status of the booking, 'B'= book 'P'= purchase 'R'= refund	Text	YES	No	'B', 'P','R'

Client

Attribute type	Description	Data type	Value required	Identity attribute or part of it	Special domain
Phone number	Both the phone number for communication and a unique ID	Text	Yes	Yes	-

3. TABLE DESCRIPTIONS

Artist

Column	Description	Data type	Value required	Keys	Special domain
artistID	A unique ID attributed to each artist	INTEGER	YES	Primary key (surrogate key)	-
fullName	The full name of the artist/group	VARCHAR(50)	YES	-	-
email	The email for communication, also unique	VARCHAR(50)	YES	Candidate key	-
phone	The phone for communication, also unique	VARCHAR(15)	YES	Candidate key	-
specialRequest	A string outlining artist preference, no format required	VARCHAR(200)	No	-	-

Event

Column	Description	Data type	Value required	Keys	Special domain
eventID	A unique ID attributed to each event	INTEGER	YES	Primary key (surrogate key)	-
eventName	A string naming the event	VARCHAR(50)	YES	-	-
eventDate	The event date	DATE	YES	-	Valid date format
price	The price per 1 ticket	DECIMAL	YES	-	-
status	Event status 'O' = ongoing 'C'= cancelled	CHAR(1)	YES	-	'O', 'C'
venueID	Unique venue identifier	INTEGER	YES	FOREIGN KEY => Venue	-

Venue

Column	Description	Data type	Value required	Keys	Special domain
venueID	A unique ID attributed to each venue	INTEGER	YES	Primary key (surrogate key)	-
venueName	A string naming the venue	VARCHAR(50)	YES	Alternate key (unique)	-
location	A string naming the location	VARCHAR(50)	YES	-	-
capacity	The maximum capacity of the venue	INTEGER	YES	-	-

Booking

Column	Description	Data type	Value required	Keys	Special domain
bookingNumber	A unique ID attributed to each booking	INTEGER	YES	Primary key, candidate key	-
bookingDate	The date of the booking	DATE	YES	-	Valid date format
expiryDate	The date of which the booking expires	DATE	YES	-	Valid date format
numberOfTickets	Number of tickets bought	INTEGER	YES	-	-
status	The status regarding the status of the booking. 'B'= book 'P'= purchase 'R'= refund	VARCHAR(20)	YES	-	'B', 'P','R'
EventID	A unique ID attributed to each event	INTEGER	YES	FOREIGN KEY 1 => Event	-
clientPhoneNo	Both the phone number for communication and a unique ID	VARCHAR(15)	YES	FOREIGN KEY 2 => Client	-

Client

Column	Description	Data type	Value required	Keys	Special domain
phoneNumber	Both the phone number for communication and a unique ID	VARCHAR(15)	Yes	Primary key, Candidate key	-

Artist in Event

Column	Description	Data type	Value required	Keys	Special domain
artistID	A unique ID attributed to each artist	INTEGER	YES	IN PRIMARY KEY FOREIGN KEY 1 => Artist	-
eventID	A unique ID attributed to each event	INTEGER	YES	IN PRIMARY KEY FOREIGN KEY 2 => Event	-