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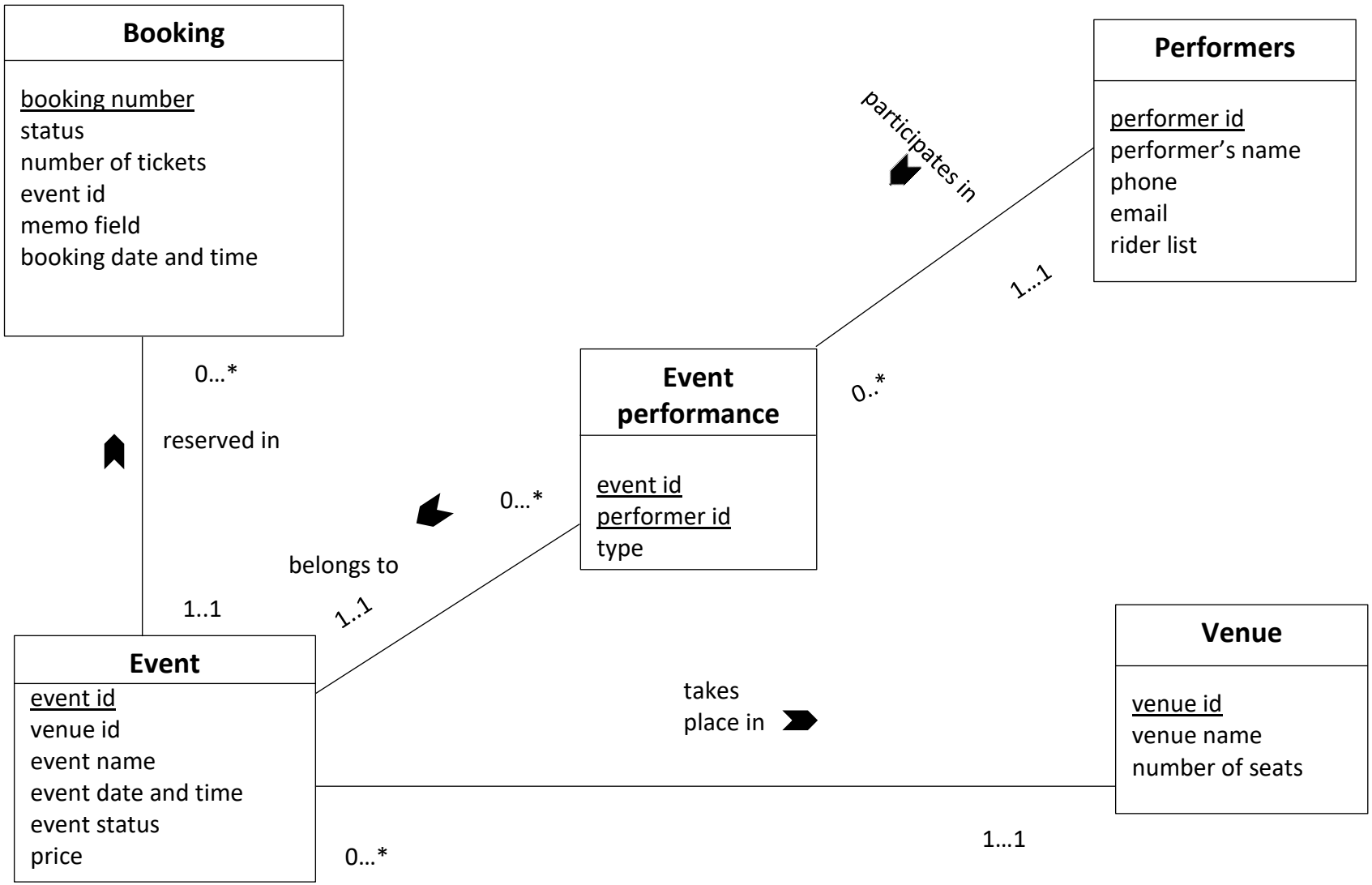
ER diagram



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L SCHEMAS

BOOKING (booking number, status, number_of_tickets, event_id, booking_date_and_time, memo_field)
FK (event_id) REFERENCES Event (event_id)

EVENT (event_id, venue_id, event_date_and_time, event_name, event_status, price)
FK (venue_id) REFERENCRS Venue (venue_id)
FK (event_id_performer_id) REFERENCES Event performance (event_id_performer_id)

EVENT PERFORMANCE
(event_id_performer_id, type)
FK (event_id) REFERENCES Event (event_id)
FK (performer_id) REFERENCES Performer (performer_id)

PERFORMER (performer_id, performer_name, email, phone, rider_list)
FK (performer_id) REFERNCES Event Performance (event_id_performer_id)

VENUE (venue_id, venue_name, number_of_seats)

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REPOSITORY

ENTITY TYPE DESCRIPTIONS

ENTITY TYPE	Description	Synonyms, aliases	Occurrence
Booking	The information about booking done by customer for an event	reservation, ticket	One booking can contain only one event, but a few tickets
Event	Concerts, dance, show, performances happening in Kuru culture club	planned public occasion	The events happen during the whole year
Performers	The popular artist that participate in different events of Kuru culture club	Artist, participant, celebrity	The artist list is increasing every year.
Event performance	The information about certain event, it includes information about certain event and certain artist participating there	Act, play	Each event performance has at least one performer
Venue	The place where event is happening	Room, hall	

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ATTRIBUTE TYPE DESCRIPTIONS

Booking

Attribute type	Description	Data type	Value required	Identity attribute or part of it	Special domain
booking_number	Unique number of booking	Integer	Yes	Yes	-
status	Current status of booking	Text	Yes	-	booked, sold, cancelled, refunded
number_of _tickets	The amount of tickets to be booked	Integer	Yes	-	> 0
event_id	Unique event identifier	Integer	Yes	Yes	-
booking_date _and_time	The date and time when booking happened	Date and Time	Yes	-	-
memo_field	Additional information about client, for example telephone number	Text	No	-	-

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Event

Attribute type	**Description**	**Data type**	**Value required**	**Identity attribute or part of it**	**Special domain**
event_id	Unique identifier for event	Integer	Yes	Yes	-
venue_id	Unique identifier for venue	Integer	Yes	Yes	-
event_date_and_time	Scheduled date and time of event	Date and Time	Yes	-	-
event_name	Name of the event	Text	Yes	-	-
event_status	Information either event is cancelled or not	Text	Yes	-	
price	Price for the event (per one ticket)	Integer	Yes	-	-

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Event Performance

Attribute type	Description	Data type	Value required	Identity attribute or part of it	Special domain
event_id	Unique identifier of event	Integer	Yes	Yes	-
performer_id	Unique identifier of performer	Integer	Yes	Yes	-
type	Type or keywords describing performance	Text	Yes	-	-

Venue

Attribute type	Description	Data type	Value required	Identity attribute or part of it	Special domain
venue_id	Unique identifier of venue	Integer	Yes	Yes	-
venue_name	Name of the venue	Text	Yes	-	-
number_of_seats	Number of available seats in the venue	Integer	Yes	-	3500, 70

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Performer

Attribute type	**Description**	**Data type**	**Value required**	**Identity attribute or part of it**	**Special domain**
performer_id	Unique identifier for performer	Integer	Yes	Yes	-
performer_name	Performer' full name and surname	Text	Yes	-	-
phone	Contact phone pf performer	Text	Yes	-	Valid phone format
email	Contact email of performer	Text	Yes	-	Valid email format
rider_list	Special request for catering and refreshment	Text	No	-	-

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TABLE DESCRIPTIONS

Booking

Column	Description	Data type	Value required	Keys	Special domain
booking_number	Unique number of booking	INTEGER	Yes	PRIMARY KEY	Auto number column
booking_status	Current status of booking	VARCHAR(10)	Yes	-	'booked', 'sold', 'refunded', 'canceled'
ticket_number	The amount of tickets to be booked	INTEGER	Yes	-	> 0
event_id	Unique event identifier	INTEGER	Yes	FOREIGN KEY	-
booking_date_and_time	The date and time when booking happened	DATETIME	Yes	-	'YYYY-MM-DD HH:MM:SS'
memo	Additional information about client, for example telephone number	VARCHAR(50)	No	-	-

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Event

Column	Description	Data type	Value required	Keys	Special domain
event_id	Unique identifier for event	INTEGER	Yes	PRIMARY KEY	-
venue_id	Unique identifier for venue	INTEGER	Yes	FOREIGN KEY	-
event_date_and_time	Scheduled date and time of event	DATETIME	Yes	-	'YYYY-MM-DD HH:MM:SS'
event_name	Name of the event	VARCHAR(50)	Yes	ALTERNATE KEY (UNIQUE)	-
event_status	Information either event is cancelled or not	VARCHAR(10)	Yes	-	'planned', 'cancelled'
price	Price for the event (per one ticket)	Integer	Yes	-	-

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Event Performance

Column	Description	Data type	Value required	Keys	Special domain
event_id	Unique identifier of event	INTEGER	Yes	IN PRIMARY KEY FOREIGN KEY 1 ➞ Event	-
performer_id	Unique identifier of performer	INTEGER	Yes	IN PRIMARY KEY FOREIGN KEY 2 ➞ Performer	-
type	Type or keywords describing performance	VARCHAR(25)	Yes	-	'circus', 'music' 'dance' 'standup' 'concert' 'other'

Venue

Column	Description	Data type	Value required	Keys	Special domain
venue_id	Unique identifier of venue	INTEGER	Yes	PRIMARY KEY (Surrogate key)	Auto number column
venue_name	Unique name of the venue	VARCHAR(50)	Yes	ALTERNATE KEY (UNIQUE)	-

number_of_seats	Total number of available seats in the venue	INTEGER	Yes	-	-

Performer

Column	**Description**	**Data type**	**Value required**	**Keys**	**Special domain**
performer_id	Unique identifier for performer	INTEGER	Yes	PRIMARY KEY	Auto number column
performer_name	Performer' full name and surname	VARCHAR(70)	Yes	ALTERNATE KEY	-
phone	Contact phone pf performer	VARCHAR(15)	Yes	-	-
email	Contact email of performer	VARCHAR(30)	Yes	-	-
rider_list	Special request for catering and refreshment	VARCHAR(1000)	No	-	-

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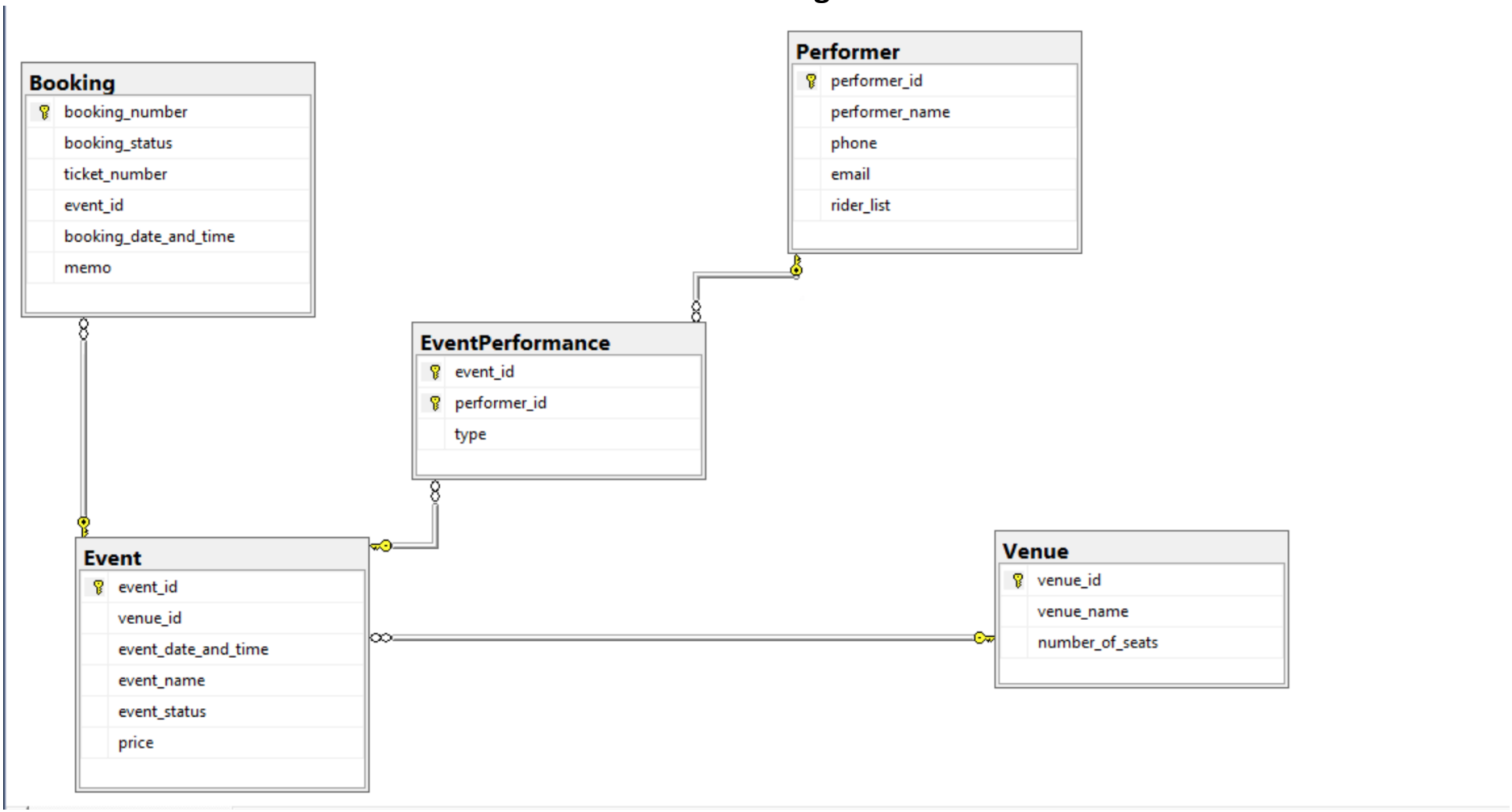
Database Diagram