

Overview

EventMaster is a comprehensive event management system designed to simplify the planning, coordination, and execution of various types of events. EventMaster offers a range of features to streamline event organization, attendee management, venue booking, and budget tracking. The platform caters to event planners, vendors, and attendees, providing tools for seamless collaboration and communication throughout the event lifecycle.

At the heart of EventMaster lies its robust entity-relationship model, designed to efficiently handle the intricacies of event data. Events are central to the system, each uniquely identified by an Event ID and encompassing essential attributes such as Title, Description, Start Date, End Date, Organizer, Venue ID, and Budget. Venues, with their own set of attributes including Name, Location, Capacity, and Rental Cost, are seamlessly associated with events, ensuring the perfect match for every occasion.

Attendees play a vital role in the EventMaster ecosystem, registering for events effortlessly through the platform. With Attendee IDs, names, email addresses, Event IDs and registration dates meticulously recorded, event planners can effortlessly manage attendee engagement and communication. Meanwhile, speakers bring events to life with their expertise and insights. The system accommodates their profiles with Speaker IDs, names, bios, Event IDs and topics, facilitating seamless scheduling and coordination.

Vendor participation is another cornerstone of EventMaster, with vendors adding vibrancy and variety to events across diverse categories. Each vendor is uniquely identified by a Vendor ID, Event IDs, Name, category, contact information offering their services or products to enhance the event experience. Their contact information and category details streamline collaboration and communication, ensuring smooth integration into event planning.

Finally, the Schedule feature brings structure and clarity to event agendas, detailing activities, times, and speakers for each event. With Schedule IDs, event IDs, dates, times, activity descriptions, and speaker IDs meticulously recorded, EventMaster empowers event planners to orchestrate seamless experiences for attendees.

Entities and Attributes:

1. Event:

- Attributes:
 - Event ID (Integer, unique)
 - Title (String, simple)
 - Description (Text, simple)
 - Start Date (Date, simple)
 - End Date (Date, simple)
 - Organizer (String, simple)
 - Venue ID (Integer, composite-key)
 - Budget (Float, simple)

2. Venue:

- Attributes:
 - Venue ID (Integer, unique)
 - Name (String, simple)
 - Location (String, simple)
 - Capacity (Integer, simple)
 - Rental Cost (Float, simple)

3. Attendee:

- Attributes:
 - Attendee ID (Integer, unique)
 - Event ID (Integer, composite-key)
 - Name (String, simple)
 - Email Address (String, simple)
 - Registration Date (Date, simple)

4. Speaker:

- Attributes:
 - Speaker ID (Integer, unique)
 - Event ID (Integer, composite-key)
 - Name (String, simple)
 - Bio (Text, simple)
 - Topic (String, simple)

5. Vendor:

- Attributes:
 - Vendor ID (Integer, unique)
 - Event ID (Integer, composite-key)
 - Name (String, simple)
 - Category (String, simple)
 - Contact Information (String, simple)

6. Schedule:

- Attributes:
 - Schedule ID (Integer, unique)
 - Event ID (Integer, composite-key)
 - Date (Date, simple)
 - Time (Time, simple)
 - Activity (String, simple)
 - Speaker ID (Integer, simple)

Relationships:

1. Event and Venue:

- Each event is associated with a specific venue. (One-to-One)
- An event can only be hosted at one venue, but a venue can host multiple events.

2. Event and Attendee:

- Attendees register for events. (One-to-Many)
- An event can have multiple attendees, but an attendee can only register for one event.

3. Event and Speaker:

- Speakers present at events. (Many-to-Many)
- Multiple speakers can present at a single event, and a speaker can present at multiple events.

4. Event and Vendor:

- Vendors participate in events. (Many-to-Many)
- Multiple vendors can participate in a single event, and a vendor can participate in multiple events.

5. Event and Schedule:

- Schedules detail the activities and speakers for each event. (One-to-Many)
- Each event can have multiple schedules detailing various activities and speakers, but each schedule belongs to only one event.

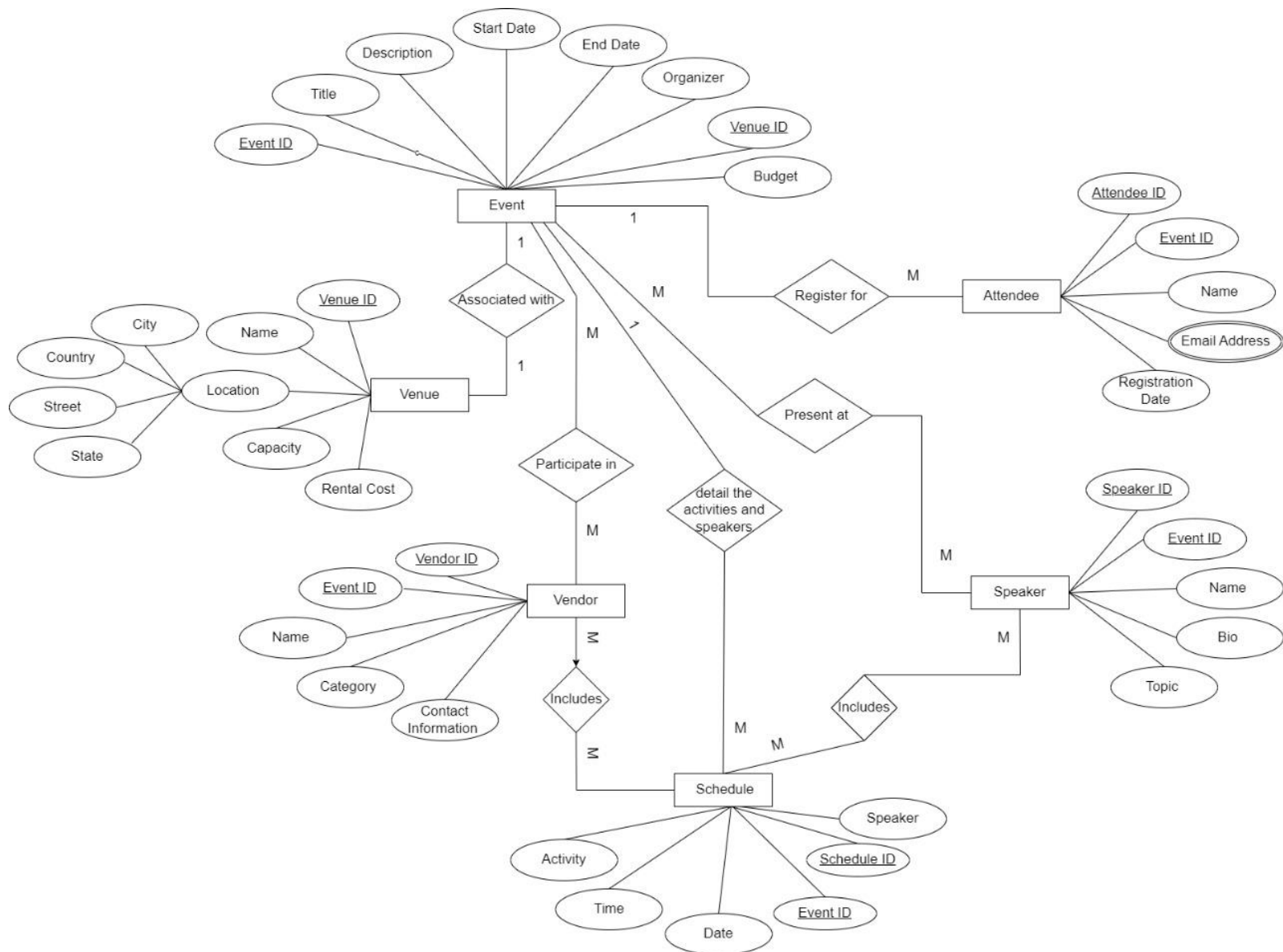
6. Speaker and Schedule:

- Each schedule includes activities and speakers. (Many-to-Many)
- Multiple speakers can be scheduled for the same activity, and a speaker can participate in multiple activities across different schedules.

7. Vendor and Schedule:

- Each schedule may include vendor-related activities. (Many-to-Many)
- Multiple vendors can be involved in various activities within the same schedule, and a vendor can participate in multiple activities across different schedules.

ER diagram



Event								
<u>Event ID</u>	Title	Description	Start Date	End Date	Organizer	Venue_ID	Budget	Venues ID

Participate in	
<u>Event ID</u>	<u>Vendor ID</u>

Present at	
<u>Event ID</u>	<u>Speaker ID</u>

Venue							
<u>Venue ID</u>	Name	Capacity	Rental Cost	City	Country	Street	State

Vendor				
<u>Vendor ID</u>	Events ID	Name	Category	Contact Information

Includes	
<u>Vendor ID</u>	<u>Schedule ID</u>

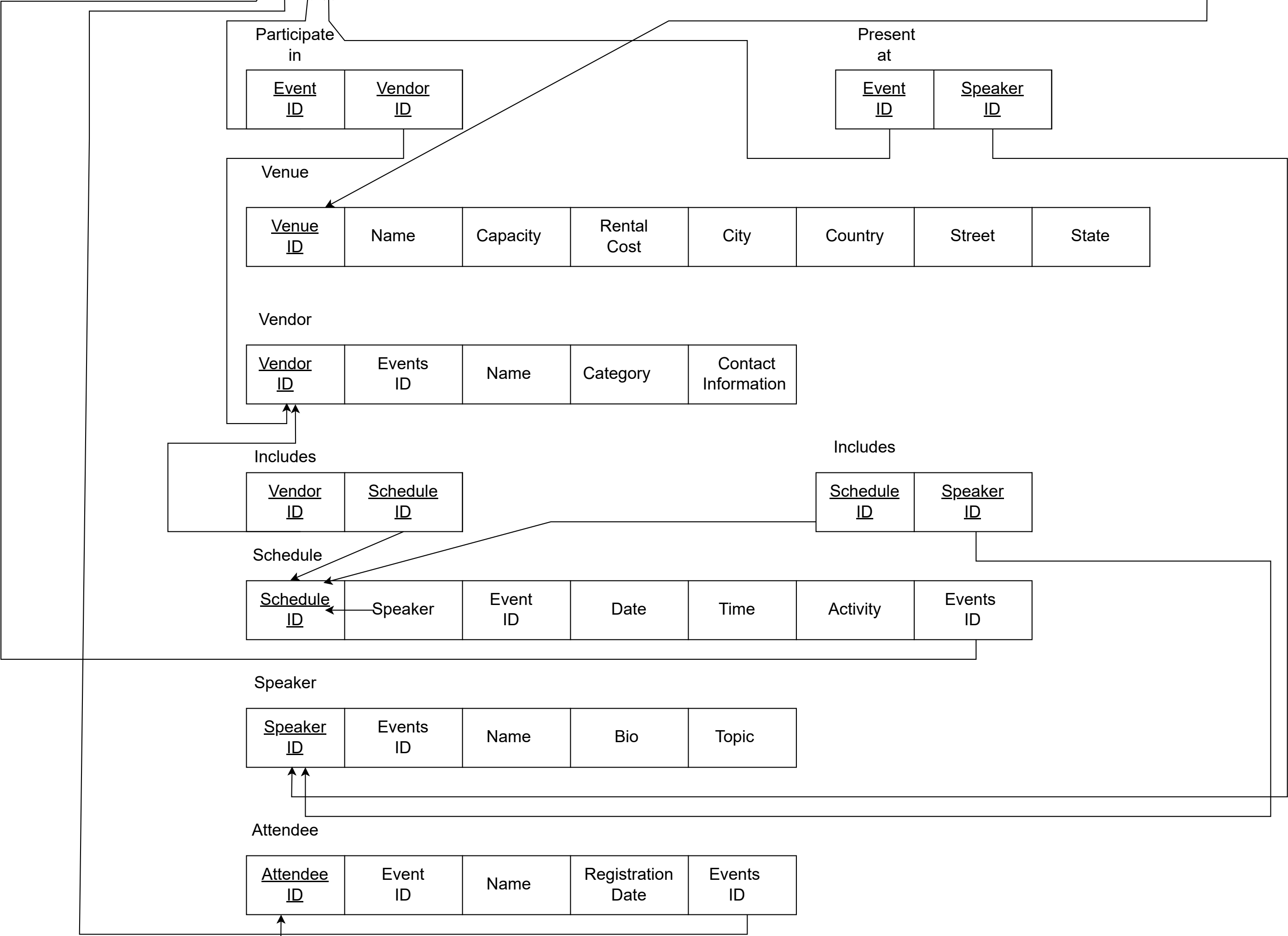
Includes	
<u>Schedule ID</u>	<u>Speaker ID</u>

Schedule						
<u>Schedule ID</u>	Speaker	Event ID	Date	Time	Activity	Events ID

Speaker				
<u>Speaker ID</u>	Events ID	Name	Bio	Topic

Attendee				
<u>Attendee ID</u>	Event ID	Name	Registration Date	Events ID

att_Email	
<u>Email address</u>	<u>Attendee ID</u>



MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

company

event_management_system

Tables

attendee

attendee_email_add

event

includes

includes_s

participate_in

present_at

schedule

speaker

vendor

venue

Views

Stored Procedures

Functions

sakila

sys

world

AdministrationSchemas

Information

Table: participate_in

Columns:

Vendor_IDchar(9) PK

Event_IDchar(9) PK

Object InfoSession

Query 1

attendeeevent

schedule

speaker

vendor

venue

attendee_email_add

includes

includes_s

participate_in

SQLAdditions

My Snippets

Limit to 1000 rows

1

SELECT * FROM event_management_system.schedule;

Result Grid

Filter Rows:

Export/Import:

Wrap Cell Content:

	Schedule_ID	Event_ID	Events_ID	Date	Time	Activity	Speaker_ID
▶	SCHED001	EVENT001	1	2024-06-15	09:00:00	Opening Ceremony	SPEAK001
	SCHED002	EVENT002	2	2024-07-10	10:00:00	Keynote Address	SPEAK002
	SCHED003	EVENT003	3	2024-08-20	11:00:00	Panel Discussion	SPEAK003
	SCHED004	EVENT004	4	2024-09-05	13:00:00	Workshop Session	SPEAK004
	SCHED005	EVENT005	5	2024-10-15	15:00:00	Networking Break	SPEAK005
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

schedule 1

Apply

Revert

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	00:19:56	SELECT * FROM event_management_system.includes LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 13	00:19:57	SELECT * FROM event_management_system.includes_s LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 14	00:19:59	SELECT * FROM event_management_system.participate_in LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
✓ 15	00:20:00	SELECT * FROM event_management_system.present_at LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec

24°

Windows Taskbar

12:33 AM 5/17/2024

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Navigator

SCHEMAS

Filter objects

- company
- event_management_system
 - Tables
 - attendee
 - attendee_email_add
 - event
 - includes
 - includes_s
 - participate_in
 - present_at
 - schedule
 - speaker
 - vendor
 - venue
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

Administration Schemas

Information

Table: participate_in

Columns:

- Vendor_ID char(9) PK
- Event_ID char(9) PK

Object Info Session

Query 1

attendee event schedule speaker vendor venue attendee_email_add includes includes_s participate_in

Limit to 1000 rows

```
1 • SELECT * FROM event_management_system.vendor;
```

Result Grid

	Vendor_ID	Event_ID	Name	Category	Contact_Information
▶	VENDOR001	EVENT001	Tech Sol	Technology	info@techsolutions.com
	VENDOR002	EVENT002	Great Designs	Design	sales@creativedesigns.com
	VENDOR003	EVENT003	Cater Svc	Food	catering@catering.com
	VENDOR004	EVENT004	Event Rent	Equipment	info@eventrentals.com
	VENDOR005	EVENT005	Market Agcy	Marketing	contact@marketingagency.com
•	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

vendor 1 x

Apply Revert Context Help Snippets

Output

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event

includes

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schedule

speaker

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venue

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sakila

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world

Administration Schemas

Information

Table: participate_in

Columns:

Vendor_ID char(9) PK

Event_ID char(9) PK

Query 1

venue

Limit to 1000 rows

1 • SELECT * FROM event_management_system.venue;

Result Grid

	Venue_ID	Name	Capacity	Rental_Cost	city	Country	Street	State
▶	VENUE001	Convention	1000	5000.00	Houston	USA	123 Main St	Texas
	VENUE002	Expo Hall	800	4000.00	New York	USA	456 Oak Ave	New York
	VENUE003	Event Space	500	3000.00	Los Angeles	USA	789 Elm St	California
	VENUE004	Conference Room	200	2000.00	Chicago	USA	101 Pine St	Illinois
	VENUE005	Auditorium	1200	6000.00	Dallas	USA	202 Maple Ave	Texas
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

venue 1 x

Apply Revert Context Help Snippets

Output

Action Output

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attendee

event

schedule

speaker

vendor

venue

attendee_email_add

includes

includes_s

participate_in

SQLAdditions

My Snippets

Limit to 1000 rows

1 • SELECT * FROM event_management_system.attendee_email_add;

Result Grid

Filter Rows:

1

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999

Email_addressAttendee_ID

alice@example.comATTEN001

bob@example.comATTEN002

charlie@example.comATTEN003

david@example.comATTEN004

emma@example.comATTEN005

NULLNULL

Result Grid

Form Editor

Apply

Revert

Context Help

Snippets

Output

Action Output

#TimeActionMessageDuration / Fetch

1200:19:56SELECT * FROM event_management_system.includes LIMIT 0, 10005 row(s) returned0.000 sec / 0.000 sec

1300:19:57SELECT * FROM event_management_system.includes_s LIMIT 0, 10005 row(s) returned0.000 sec / 0.000 sec

1400:19:59SELECT * FROM event_management_system.participate_in LIMIT 0, 10005 row(s) returned0.015 sec / 0.000 sec

1500:20:00SELECT * FROM event_management_system.present_at LIMIT 0, 10005 row(s) returned0.015 sec / 0.000 sec

24°

Windows

Search

Taskbar

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ENG

12:33 AM

5/17/2024

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Vendor_IDchar(9) PK

Event_IDchar(9) PK

Object InfoSession

Query 1

attendee

event

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speaker

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venue

attendee_email_add

includes

includes_s

participate_in

SQLAdditions

My Snippets

1

SELECT * FROM event_management_system.includes;

Result Grid

Filter Rows:

Vendor_IDSchedule_ID

VENDOR001SCHED001

VENDOR002SCHED002

VENDOR003SCHED003

VENDOR004SCHED004

VENDOR005SCHED005

Result Grid

Form Editor

includes 1

Apply

Revert

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
12	00:19:56	SELECT * FROM event_management_system.includes LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
13	00:19:57	SELECT * FROM event_management_system.includes_s LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
14	00:19:59	SELECT * FROM event_management_system.participate_in LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
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Table: participate_in

Columns:

Vendor_ID char(9) PK

Event_ID char(9) PK

Query 1

attendee event schedule speaker vendor venue attendee_email_add includes includes_s participate_in

Limit to 1000 rows

1 • SELECT * FROM event_management_system.includes_s;

Result Grid

	Schedule_ID	Speaker_ID
▶	SCHED001	SPEAK001
	SCHED002	SPEAK002
	SCHED003	SPEAK003
	SCHED004	SPEAK004
	SCHED005	SPEAK005
•	NULL	NULL

includes_s 1

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	00:19:56	SELECT * FROM event_management_system.includes LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 13	00:19:57	SELECT * FROM event_management_system.includes_s LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 14	00:19:59	SELECT * FROM event_management_system.participate_in LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
✓ 15	00:20:00	SELECT * FROM event_management_system.present_at LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

24°

12:33 AM 5/17/2024

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- company
- event_management_system
 - Tables
 - attendee
 - attendee_email_add
 - event
 - includes
 - includes_s
 - participate_in
 - present_at
 - schedule
 - speaker
 - vendor
 - venue
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

Administration Schemas

Information

Table: participate_in

Columns:

- Vendor_ID char(9) PK
- Event_ID char(9) PK

Object Info Session

Query 1

attendee event schedule speaker vendor venue attendee_email_add includes includes_s participate_in x

Limit to 1000 rows

```
1 • SELECT * FROM event_management_system.participate_in;
```

Result Grid

	Vendor_ID	Event_ID
▶	VENDOR001	1
	VENDOR002	2
	VENDOR003	3
	VENDOR004	4
	VENDOR005	5
•	NULL	NULL

participate_in 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	00:19:56	SELECT * FROM event_management_system.includes LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 13	00:19:57	SELECT * FROM event_management_system.includes_s LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
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24°

12:33 AM 5/17/2024

MySQL Workbench

Local instance MySQL80 x

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SCHEMAS

Filter objects

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 - present_at
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 - speaker
 - vendor
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 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

Administration Schemas

Information

Table: **participate_in**

Columns:

- Vendor_ID char(9) PK
- Event_ID char(9) PK

Object Info Session

event schedule speaker vendor venue attendee_email_add includes includes_s participate_in **present_at**

Limit to 1000 rows

```
1 • SELECT * FROM event_management_system.present_at;
```

Result Grid

	Event_ID	Speaker_ID
1	1	SPEAK001
2	2	SPEAK002
3	3	SPEAK003
4	4	SPEAK004
5	5	SPEAK005
•	NULL	NULL

present_at 1 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	00:19:56	SELECT * FROM event_management_system.includes LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 13	00:19:57	SELECT * FROM event_management_system.includes_s LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
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MySQL Workbench

Local instance MySQL80

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Administration Schemas

Information

Table: **participate_in**

Columns:

- Vendor_ID char(9) PK
- Event_ID char(9) PK

Object Info Session

Query 1 x attendee event schedule speaker vendor venue attendee_email_add includes includes_s participate_in

Limit to 1000 rows

```
1 • SELECT Title, Organizer, Budget
2 FROM event
3 WHERE Event_ID in (1,2,4);
```

Result Grid

	Title	Organizer	Budget
▶	Conference	ABC Company	5000.00
	Seminar	XYZ Corporation	3000.00
	Workshop	GHI Innovations	4000.00

event 1 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	00:19:56	SELECT * FROM event_management_system.includes LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 13	00:19:57	SELECT * FROM event_management_system.includes_s LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 14	00:19:59	SELECT * FROM event_management_system.participate_in LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
✓ 15	00:20:00	SELECT * FROM event_management_system.present_at LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec

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12:34 AM 5/17/2024

MySQL Workbench

Local instance MySQL80

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Navigator

SCHEMAS

Filter objects

company

event_management_system

Tables

attendee

attendee_email_add

event

includes

includes_s

participate_in

present_at

schedule

speaker

vendor

venue

Views

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Functions

sakila

sys

world

Administration Schemas

Information

Table: **participate_in**

Columns:

Vendor_ID char(9) PK

Event_ID char(9) PK

Query 1

attendee event schedule speaker vendor venue attendee_email_add includes includes_s participate_in

Limit to 1000 rows

```
1 SELECT Title, Organizer, Budget
2 FROM event
3 WHERE Event_ID = '2' AND Venue_ID = 'VENUE002';
```

Result Grid

	Title	Organizer	Budget
▶	Seminar	XYZ Corporation	3000.00

Form Editor

event 2

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 13	00:19:57	SELECT * FROM event_management_system.includes_s LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 14	00:19:59	SELECT * FROM event_management_system.participate_in LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
✓ 15	00:20:00	SELECT * FROM event_management_system.present_at LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
✓ 16	00:34:49	SELECT Title, Organizer, Budget FROM event WHERE Event_ID = '2' AND Venue_ID = 'VENUE002' LIMIT 0...	1 row(s) returned	0.063 sec / 0.000 sec

Object Info Session

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MySQL Workbench

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Navigator

SCHEMAS

Filter objects

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event_management_system

Tables

attendee

attendee_email_add

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includes_s

participate_in

present_at

schedule

speaker

vendor

venue

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

Table: participate_in

Columns:

Vendor_ID char(9) PK

Event_ID char(9) PK

Query 1

attendee event schedule speaker vendor venue attendee_email_add includes includes_s participate_in

Limit to 1000 rows

```
1 SELECT * FROM venue
2 WHERE Venue_ID in ( 'VENUE001','VENUE002','VENUE003');
```

Result Grid

	Venue_ID	Name	Capacity	Rental_Cost	city	Country	Street	State
▶	VENUE001	Convention	1000	5000.00	Houston	USA	123 Main St	Texas
	VENUE002	Expo Hall	800	4000.00	New York	USA	456 Oak Ave	New York
	VENUE003	Event Space	500	3000.00	Los Angeles	USA	789 Elm St	California
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

venue 3

Apply Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 14	00:19:59	SELECT * FROM event_management_system.participate_in LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
✓ 15	00:20:00	SELECT * FROM event_management_system.present_at LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
✓ 16	00:34:49	SELECT Title, Organizer, Budget FROM event WHERE Event_ID = '2' AND Venue_ID = 'VENUE002' LIMIT 0...	1 row(s) returned	0.063 sec / 0.000 sec
✓ 17	00:35:03	SELECT * FROM venue WHERE Venue_ID in ('VENUE001','VENUE002','VENUE003') LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

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MySQL Workbench

Local instance MySQL80

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Navigator

SCHEMAS

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 - Stored Procedures
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- sys
- world

Administration Schemas

Information

Table: **participate_in**

Columns:

- Vendor_ID** char(9) PK
- Event_ID** char(9) PK

Query 1

```
1 SELECT * from venue
2 where Rental_Cost > 3000.00 AND Country = 'USA';
```

Limit to 1000 rows

Result Grid

	Venue_ID	Name	Capacity	Rental_Cost	city	Country	Street	State
▶	VENUE001	Convention	1000	5000.00	Houston	USA	123 Main St	Texas
	VENUE002	Expo Hall	800	4000.00	New York	USA	456 Oak Ave	New York
	VENUE005	Auditorium	1200	6000.00	Dallas	USA	202 Maple Ave	Texas
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

venue 4

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 15	00:20:00	SELECT * FROM event_management_system.present_at LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
✓ 16	00:34:49	SELECT Title, Organizer, Budget FROM event WHERE Event_ID = '2' AND Venue_ID = 'VENUE002' LIMIT 0...	1 row(s) returned	0.063 sec / 0.000 sec
✓ 17	00:35:03	SELECT * FROM venue WHERE Venue_ID in ('VENUE001','VENUE002','VENUE003') LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
✓ 18	00:35:19	SELECT * from venue where Rental_Cost > 3000.00 AND Country = 'USA' LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

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