

# Entity, Attributes and Relationships.

## 1. **locations:**

- location\_id: Primary key, identifies each location uniquely.
- city\_name: Name of the city where the location is situated.
- location\_type: Type of location, like 'Hotel', 'Conference Center', etc.
- max\_occupancy: Maximum occupancy of the location.
- locations\_client\_id: Foreign key referencing the client associated with this location.

## 2. **vendors:**

- vendor\_id: Primary key, uniquely identifies each vendor.
- vendor\_first\_name: First name of the vendor.
- vendor\_last\_name: Last name of the vendor.
- vendor\_contact\_person: Contact person within the vendor's organization.
- vendor\_email: Email address of the vendor.
- vendor\_contact\_number: Contact number of the vendor.
- vendors\_invoice\_id: Foreign key referencing the invoice associated with this vendor.

## 3. **invoices:**

- invoice\_id: Primary key, uniquely identifies each invoice.
- invoice\_date\_issued: Date when the invoice was issued.
- invoice\_status: Status of the invoice.
- invoices\_vendor\_id: Foreign key referencing the vendor associated with this invoice.
- invoices\_client\_id: Foreign key referencing the client associated with this invoice.
- invoices\_payment\_id: Foreign key referencing the payment associated with this invoice.

## 4. **events:**

- event\_id: Primary key, uniquely identifies each event.
- event\_date: Date of the event.
- event\_type: Type of event, like 'Wedding', 'Conference', etc.
- event\_guest\_count: Number of guests expected at the event.
- event\_description: Description of the event.
- events\_location\_id: Foreign key referencing the location associated with this event.
- events\_client\_id: Foreign key referencing the client associated with this event.
- events\_feedback\_id: Foreign key referencing the feedback associated with this event.

## 5. **feedbacks:**

- feedback\_id: Primary key, uniquely identifies each feedback.
- feedback\_rating: Rating given in the feedback.

- feedback\_comment: Comment provided in the feedback.
- feedbacks\_client\_id: Foreign key referencing the client associated with this feedback.
- feedbacks\_event\_id: Foreign key referencing the event associated with this feedback.
- feedbacks\_staff\_id: Foreign key referencing the staff associated with this feedback.

**6. staff:**

- staff\_id: Primary key, uniquely identifies each staff member.
- staff\_first\_name: First name of the staff member.
- staff\_last\_name: Last name of the staff member.
- staff\_position: Position or role of the staff member.
- staff\_email: Email address of the staff member.
- staff\_contact\_number: Contact number of the staff member.

**7. clients:**

- client\_id: Primary key, uniquely identifies each client.
- client\_name: Name of the client.
- client\_contact\_person\_first\_name: First name of the contact person within the client organization.
- client\_contact\_person\_last\_name: Last name of the contact person within the client organization.
- client\_type: Type of client, like 'Individual', 'Company', etc.
- client\_email: Email address of the client.
- client\_contact\_number: Contact number of the client.
- clients\_location\_id: Foreign key referencing the location associated with this client.
- clients\_invoice\_id: Foreign key referencing the invoice associated with this client.
- clients\_event\_id: Foreign key referencing the event associated with this client.
- clients\_feedback\_id: Foreign key referencing the feedback associated with this client.
- clients\_payment\_id: Foreign key referencing the payment associated with this client.
- clients\_pending\_bookings\_id: Foreign key referencing the pending bookings associated with this client.

**8. payments:**

- payment\_id: Primary key, uniquely identifies each payment.
- payment\_amount: Amount of the payment.
- payment\_date: Date of the payment.
- payment\_method: Method used for the payment.
- payments\_invoice\_id: Foreign key referencing the invoice associated with this payment.
- payments\_client\_id: Foreign key referencing the client associated with this payment.

**9. tasks:**

- task\_id: Primary key, uniquely identifies each task.
- task: Description of the task.

#### 10. **event\_requests:**

- request\_id: Primary key, uniquely identifies each event request.
- requesting\_client\_name: Name of the client making the request.
- requesting\_client\_id: Foreign key referencing the client associated with this request.
- event\_date: Date of the requested event.
- event\_guest\_count: Number of guests expected at the requested event.
- request\_approved\_client\_id: Foreign key referencing the client who approved this request.
- request\_approved\_date: Date when the request was approved.
- request\_event\_description: Description of the requested event.

#### 1. **locations\_vendors:**

- location\_id: Foreign key referencing the location.
- vendor\_id: Foreign key referencing the vendor.

#### 1. **clients\_vendors:**

- client\_id: Foreign key referencing the client.
- vendor\_id: Foreign key referencing the vendor.

#### 1. **events\_staff:**

- event\_id: Foreign key referencing the event.
- staff\_id: Foreign key referencing the staff.

#### 1. **staff\_tasks:**

- staff\_id: Foreign key referencing the staff.
- task\_id: Foreign key referencing the task.

#### 1. **One-to-Many Relationship:**

- **Clients to Locations:** Each client may be associated with multiple locations.
- **Clients to Invoices:** Each client may have multiple invoices.
- **Locations to Events:** Each location can host multiple events.
- **Vendors to Invoices:** Each vendor may issue multiple invoices.
- **Events to Feedbacks:** Each event can receive multiple feedbacks.
- **Events to Staff:** Each event requires multiple staff members.
- **Staff to Tasks:** Each staff member may have multiple tasks assigned.

#### 2. **Many-to-Many Relationship:**

- **Locations to Vendors:** Many locations can work with many vendors.
- **Clients to Vendors:** Many clients may work with many vendors.

#### 3. **One-to-One Relationship:**

- **Invoices to Payments:** Each invoice corresponds to one payment.

- **Event Requests to Events:** Each event request leads to one event being organized.
- **Event Requests to Clients:** Each event request is associated with one client who requested it.
- **Event Requests to Approved Clients:** Each event request is approved by one client.