

Event Management System

- A Database Management System Project
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Explanation of the problem



Event planning is a complex and time-consuming process, involving numerous stakeholders, tasks, and logistics.



Current methods of managing events often rely on manual processes or disparate systems, leading to inefficiencies and errors.



Clients face challenges in finding comprehensive solutions that address all their event planning needs in one platform.



Communication and coordination issues arise when managing multiple vendors, attendees, and stakeholders.

Importance of the Database for Solving the Problem:



A centralized event planning system will streamline processes by integrating key functionalities into one platform.



The database will automate repetitive tasks, facilitate communication, and provide real-time insights for decision making.



By offering a user-friendly interface, the database will enable collaboration between clients and event planners, enhancing overall efficiency.



With comprehensive data management capabilities, the database will address the challenges faced in event planning and improve the overall event management experience.

Requirements

- Manage clients, tasks, and bookings
- Track tasks progress and due dates
- Organize events and manage attendance



Entity and Attribute Walkthrough

1.locations:

1. location_id, city_name, location_type, max_occupancy, locations_client_id

2.vendors:

1. vendor_id, vendor_first_name, vendor_last_name, vendor_contact_person, vendor_email, vendor_contact_number, vendors_invoice_id

3.invoices:

1. invoice_id, invoice_date_issued, invoice_status, invoices_vendor_id, invoices_client_id, invoices_payment_id

4.events:

1. event_id, event_date, event_type, event_guest_count, event_description, events_location_id, events_client_id, events_feedback_id

5.feedbacks:

1. feedback_id, feedback_rating, feedback_comment, feedbacks_client_id, feedbacks_event_id, feedbacks_staff_id

6.staff:

6. staff_id, staff_first_name, staff_last_name, staff_position, staff_email, staff_contact_number

7.clients:

6. client_id, client_name, client_contact_person_first_name, client_contact_person_last_name, client_type, client_email, client_contact_number, clients_location_id, clients_invoice_id, clients_event_id, clients_feedback_id, clients_payment_id, clients_pending_bookings_id

8.payments:

6. payment_id, payment_amount, payment_date, payment_method, payments_invoice_id, payments_client_id

9.tasks:

6. task_id, task

10.event_requests:

•request_id, requesting_client_name, requesting_client_id, event_date, event_guest_count, request_approved_client_id, request_approved_date, request_event_description

Entity Relationships

One-to-Many Relationships:

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



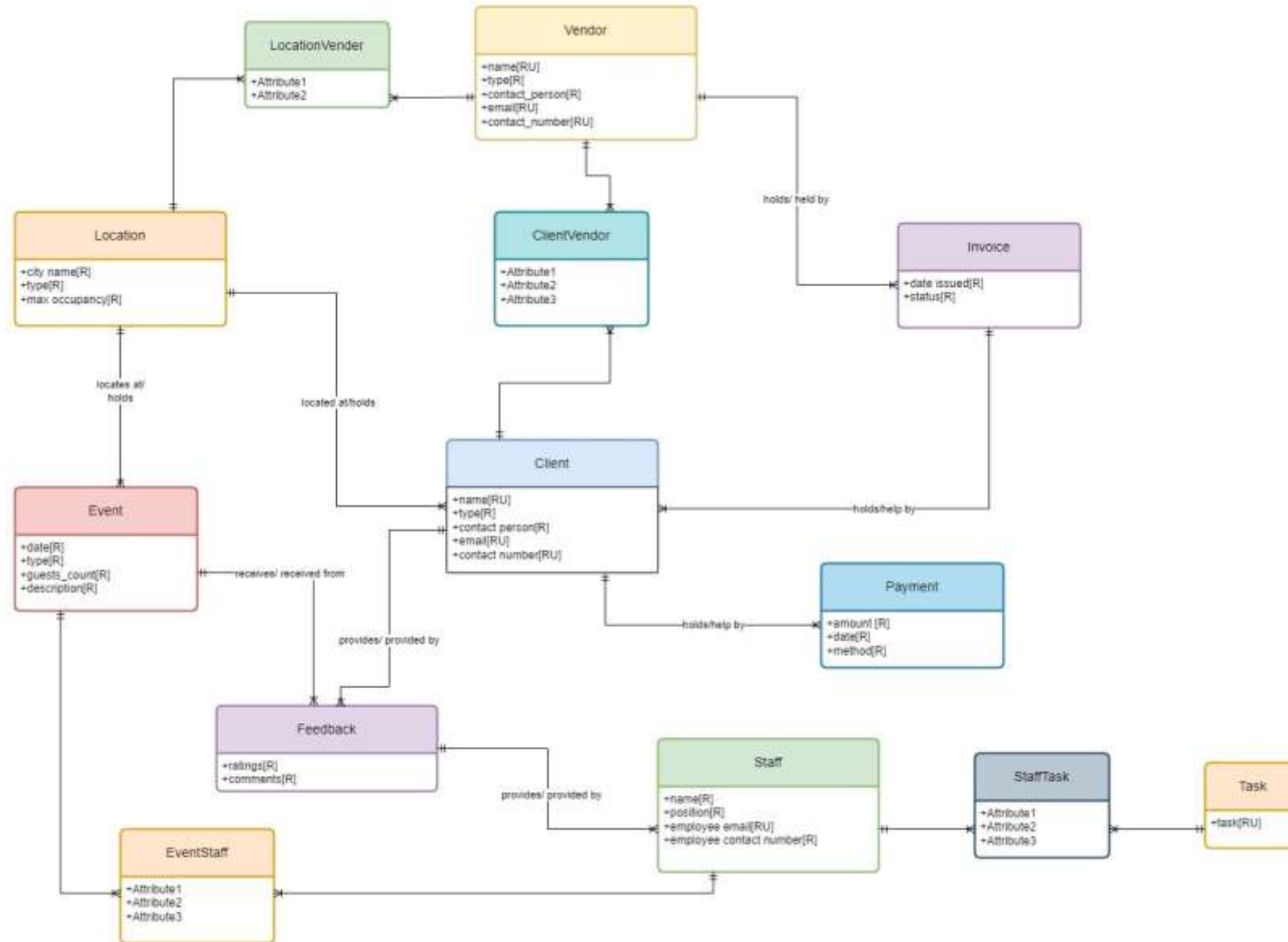
Many-to-Many Relationships:

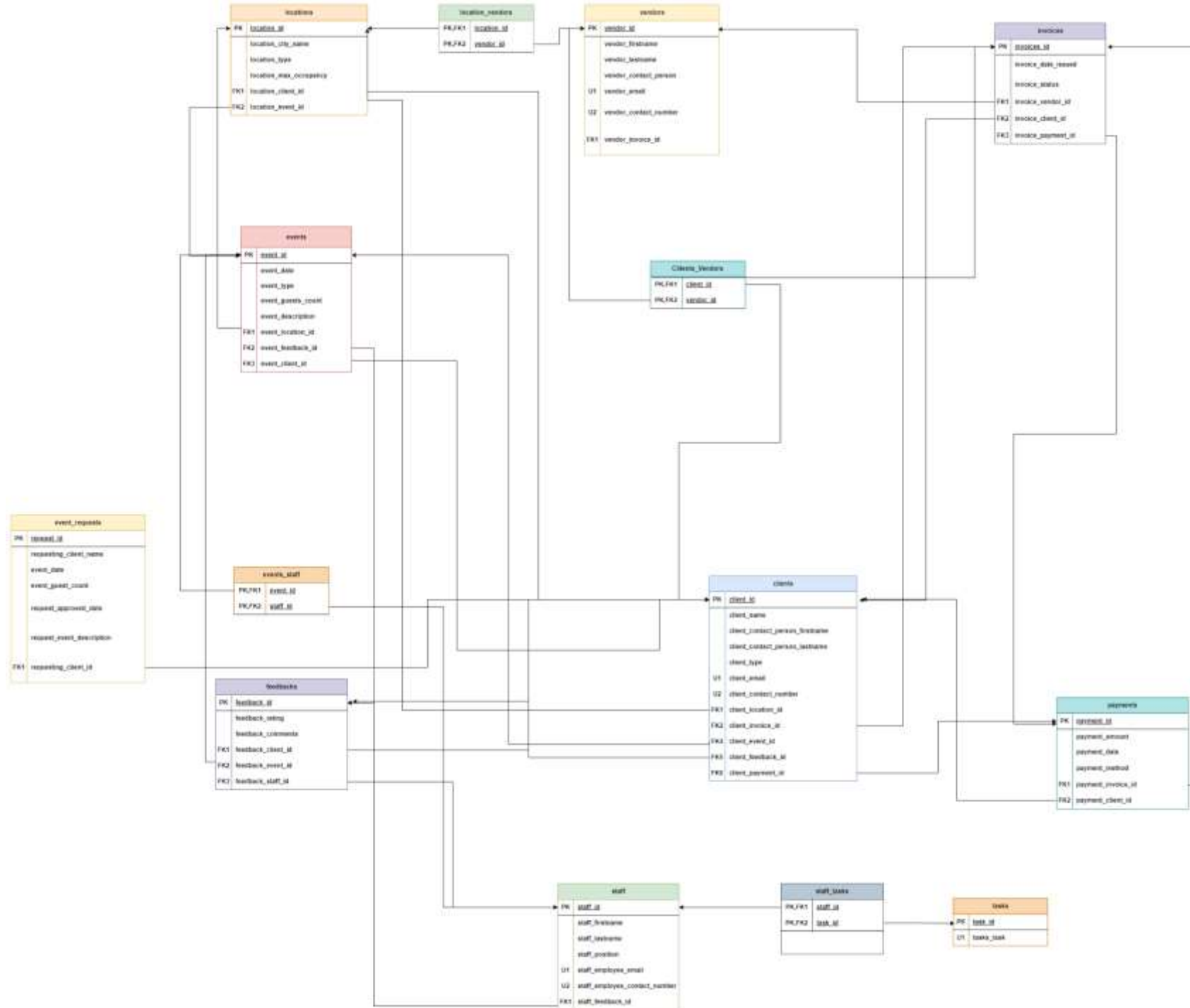
- **Locations to Vendors:** Many locations can work with many vendors.
- **Clients to Vendors:** Many clients may work with many vendors.

One-to-One Relationship:

3. **Invoices to Payments:** Each invoice corresponds to one payment.
4. **Event Requests to Events:** Each event request leads to one event being organized.
5. **Event Requests to Clients:** Each event request is associated with one client who requested it.
6. **Event Requests to Approved Clients:** Each event request is approved by one client.

Conceptual Data Modelling





UP DOWN Script

PowerApps



Event Management

List of Clients

Manage Bookings

Book for an Event

User Stories

As a Corporation I should be able to put up an Event request for my upcoming event.

I can mention the corporation's name, the guest count and description of the event.

As an Event manager I should be able to see requested Events our company can manage and Approve or delete those requests accordingly

Potential Enhancements



Enhance the payment system within our application.



Improve the workflow for management companies to manage staff, tasks, and feedback from both staff and clients.



Implement vendor selection and management features accessible to both management and clients

Team Log



Ideas and Business Problems: Sindy, Tharuni, Sudhanshu, Marjan



Conceptual and Logical Data Models: Sindy and Tharuni



Up Down Script: Sudhanshu and Marjan



App Development: Sudhanshu



Presentation: Tharuni and Marjan.

Individual Reviews/Feedback