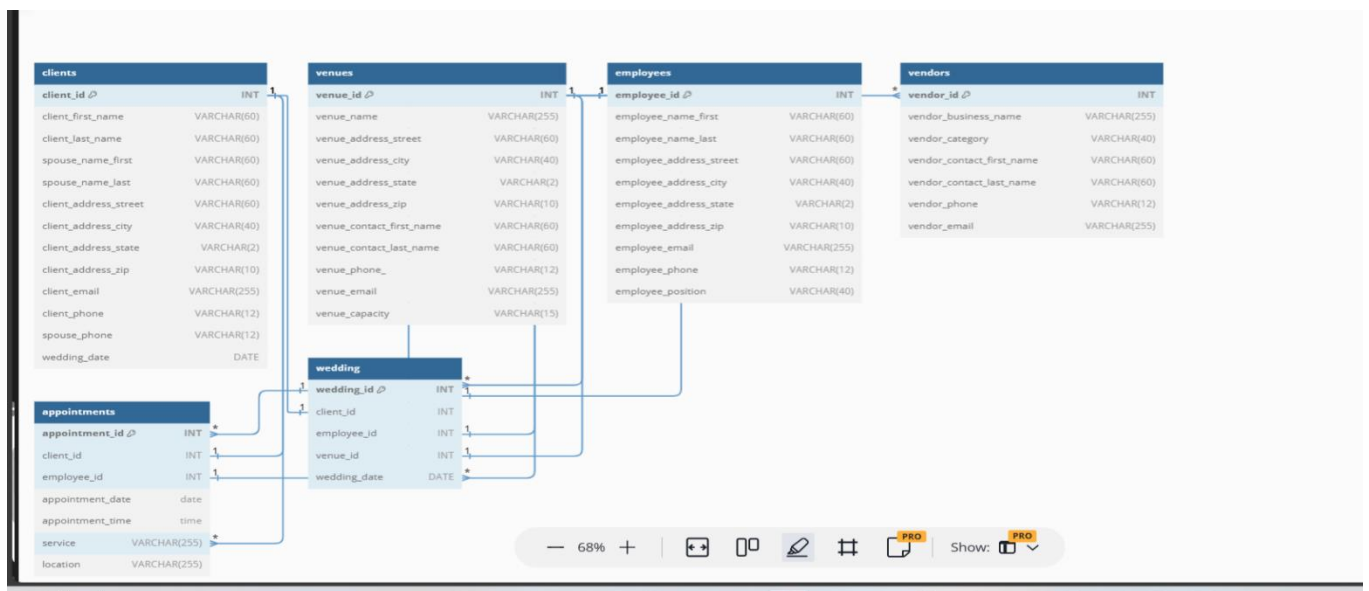# Technical Documentation

Entity Relationship Diagram

Dbdiagram URL Untitled - dbdiagram.io

ERD

Test & Sample Queries

- Retrieve all appointments for a specific client.
- Find available venues for a given date and guest count.
- Calculate the total cost of services for a wedding.
- Display upcoming appointments for the week.
- Create at least one view based on one of the queries above

```
SELECT appointment_date
    -> FROM appointments
    -> WHERE client_id = 4;
+------------------+
| appointment_date |
+------------------+
| 2024-01-04       |
+------------------+
1 row in set (0.00 sec)


 SELECT venue_capacity, venue_id, venue_name
    -> FROM  venues
    -> WHERE venue_capacity = 1000;
+----------------+----------+-----------------+
| venue_capacity | venue_id | venue_name      |
+----------------+----------+-----------------+
|           1000 |      125 | Stark Industries |
+----------------+----------+-----------------+
1 row in set (0.00 sec)
 SELECT *
    -> FROM appointments
    -> WHERE appointment_date BETWEEN '2024-01-01' AND '2024-01-07';
+----------------+-----------+-------------+------------------+------------------+--------------------+-------------------------------+
| appointment_id | client_id | employee_id | appointment_date | appointment_time | service_description | service_location              |
+----------------+-----------+-------------+------------------+------------------+--------------------+-------------------------------+
```

| 456 | 1 | 2405 | 2024-01-01 | 14:00:00 | Menu approval | The Silver Spoon 5 Star Cusine |

| 457 | 2 | 2406 | 2024-01-02 | 12:00:00 | Floral Consultation | Tina's Tulips |

| 458 | 3 | 2407 | 2024-01-03 | 18:00:00 | DJ Consultation | Bring the Bass |

| 459 | 4 | 2408 | 2024-01-04 | 15:00:00 | Cake Tasting | Three Tier Sweets |

+---------------+----------+------------+----------------+----------------+-------------------+-----------------------------+

4 rows in set (0.00 sec)

CREATE VIEW client_appointments AS

   -> SELECT *

   -> FROM appointments

   -> WHERE client_id = '4';

Query OK, 0 rows affected (0.03 sec)