Travel Agency Database Overview

AN INSIGHT INTO DATABASE DESIGN AND QUERIES

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Purpose of the Database:

To manage travel agency operations including customers, bookings, packages, payments, and reviews.

KEY FEATURES:

1

Customer management

2

Booking management

3

Payment tracking

4

Package and destination information

5

- **Customer feedback through reviews**

Database Schema Overview

Customers
Agents

Destinations
Packages

Bookings
Payments

Reviews
Activities

BookingActivities
(junction table)
PackageDestinatio
ns (junction table)

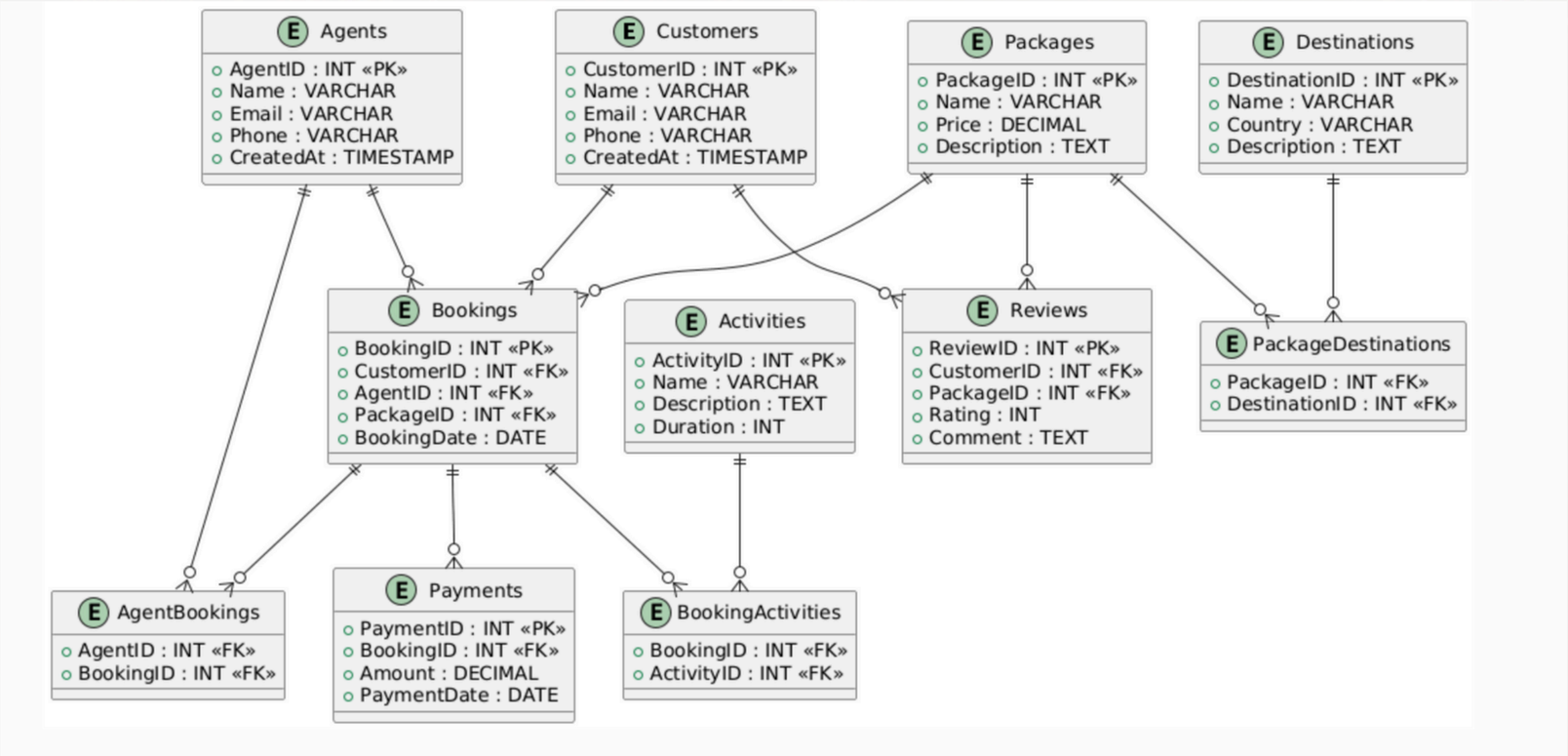
AgentBookings
(junction table)

Table Relationships

1. Primary Keys: Unique identifiers for each table.
2. Foreign Keys: Establish relationships between tables.
3. Many-to-Many Relationships:
    - Bookings to Activities (BookingActivities)
    - Packages to Destinations (PackageDestinations)
    - Agents to Bookings (AgentBookings)

ER Diagram

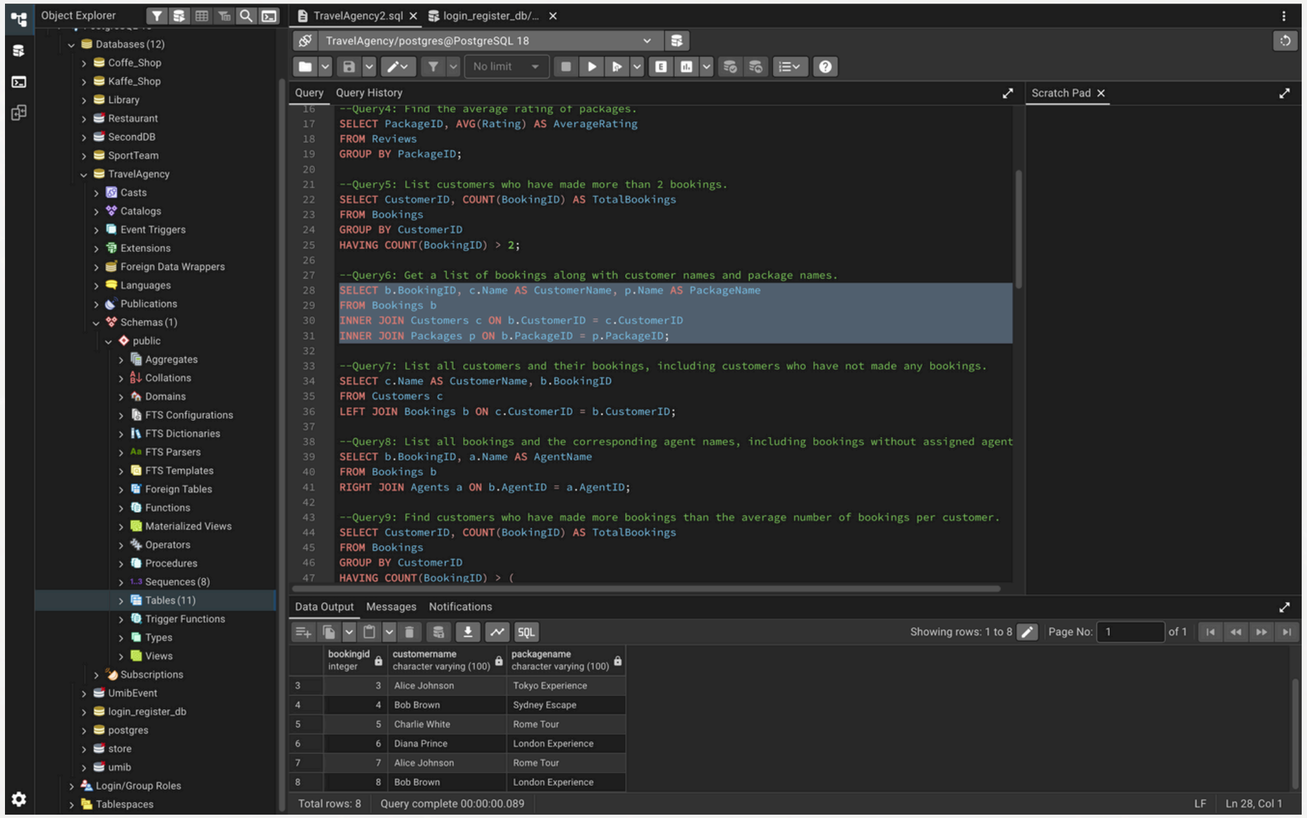
- Visual Representation: Display the ER diagram showing all tables and their relationships.



SQL Queries Included

The project includes 17 ready-to-use SQL queries, such as:

- Customers who have booked packages
- Total bookings per customer
- Total revenue calculation
- Average package ratings
- Customers with high spending
- Bookings in the last 30 days
- Packages without reviews
- Ranking customers by spending using window functions



Roadmap

Phase 1

Create Tables

Phase 2

Insert Data

Phase 3

Execute Query

Phase 4

Work Completed

The End

THANK YOU FOR LISTENING