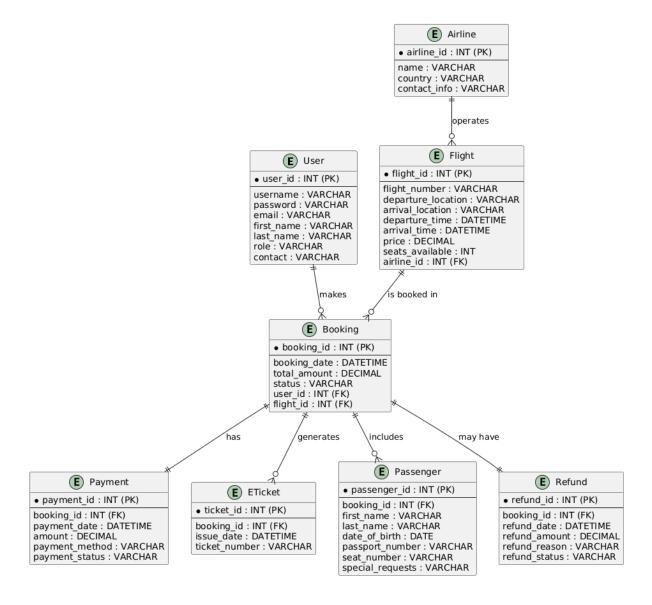
Detailed ER Diagram



1. User

 Purpose: Stores information for all system users (customers, sales managers, admin, and planning managers).

- Attributes:

- user_id: Unique identifier (Primary Key).
- username, password, email, first_name, last_name, role, contact.

2. Airline

- **Purpose:** Represents the airline carriers available in the system.

- Attributes:

- airline id: Unique identifier (Primary Key).
- name, country, contact_info.

3. Flight

- Purpose: Contains flight details that users search and book.

- Attributes:

- flight id: Unique identifier (Primary Key).
- flight_number, departure_location, arrival_location, departure_time, arrival_time, price, seats_available.
- airline id: Foreign Key linking to the Airline entity.

4. Booking

 Purpose: Captures the booking or sales transaction made by a user for a particular flight.

- Attributes:

- booking id: Unique identifier (Primary Key).
- booking_date, total_amount, status (e.g., confirmed, cancelled).
- user_id: Foreign Key linking to the User entity.
- flight_id: Foreign Key linking to the Flight entity.

5. Payment

- **Purpose:** Records payment details for each booking.

- Attributes:

- payment id: Unique identifier (Primary Key).
- booking id: Foreign Key linking to the Booking entity.
- payment_date, amount, payment_method, payment_status (e.g., approved, declined).

6. ETicket

 Purpose: Stores electronic ticket details generated after a successful booking and payment.

- Attributes:

- ticket id: Unique identifier (Primary Key).
- booking id: Foreign Key linking to the Booking entity.
- issue_date, ticket_number.

7. Passenger

 Purpose: Holds individual passenger details for each booking, which is especially useful if a booking includes multiple passengers.

- Attributes:

- passenger_id: Unique identifier (Primary Key).
- booking_id: Foreign Key linking to the Booking entity.
- first_name, last_name, date_of_birth, passport_number, seat_number, special requests.

8. Refund

 Purpose: Records refund requests or actions linked to a booking, supporting the "Request Refund" use case.

- Attributes:

- refund id: Unique identifier (Primary Key).
- booking_id: Foreign Key linking to the Booking entity.
- refund_date, refund_amount, refund_reason, refund_status.