



❖ **2nd Deliverable (ERD Diagram)**

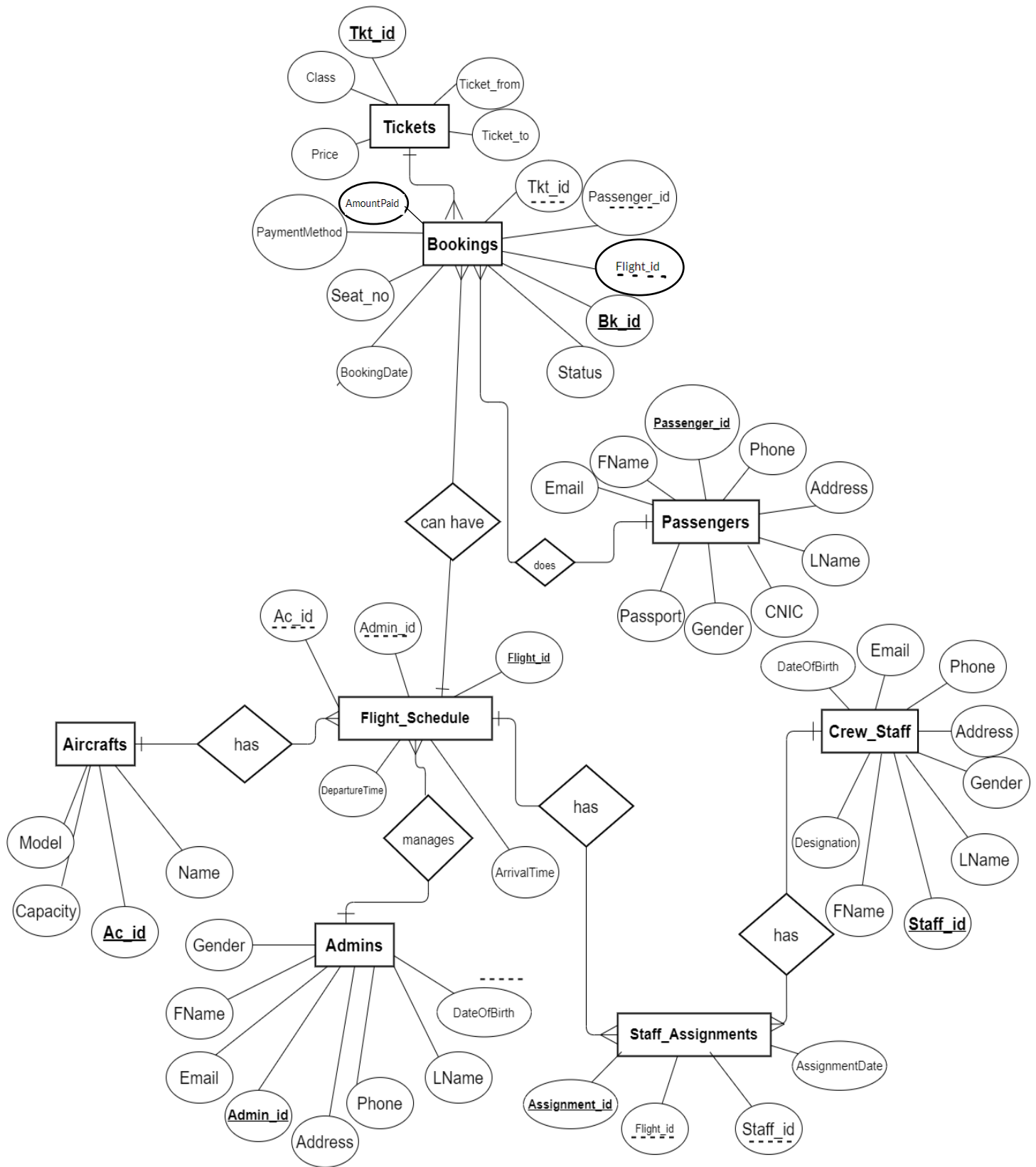
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❖ **Subject:** Database Systems

❖ **Professor Name:** Dr. Abid Sohail

Question 1:



Question 2:

➤ **Transactional Entities:**

- **Bookings:** Represents the transactions initiated by passengers to reserve seats on flights.
- **StaffAssignments:** Represents the assignments of staff members to specific flights, indicating transactional activities related to crew management.
- **Flight_Schedule:** Represents the scheduling of flights, including departure and arrival times, which involves the transactional aspect of organizing flight operations.

➤ **Component Entities:**

- **Passengers:** This entity holds information about individuals who utilize the flight services.
- **Tickets:** Contains details of tickets purchased by passengers, serving as a key component in facilitating passenger travel.
- **Aircrafts:** Represents the physical assets used for air transportation within the system, crucial for flight operations.
- **Admins:** This entity represents administrative personnel responsible for system management and oversight.
- **Crew_Staff:** Represents the personnel assigned specific roles in flight operations, such as pilots and flight attendants.