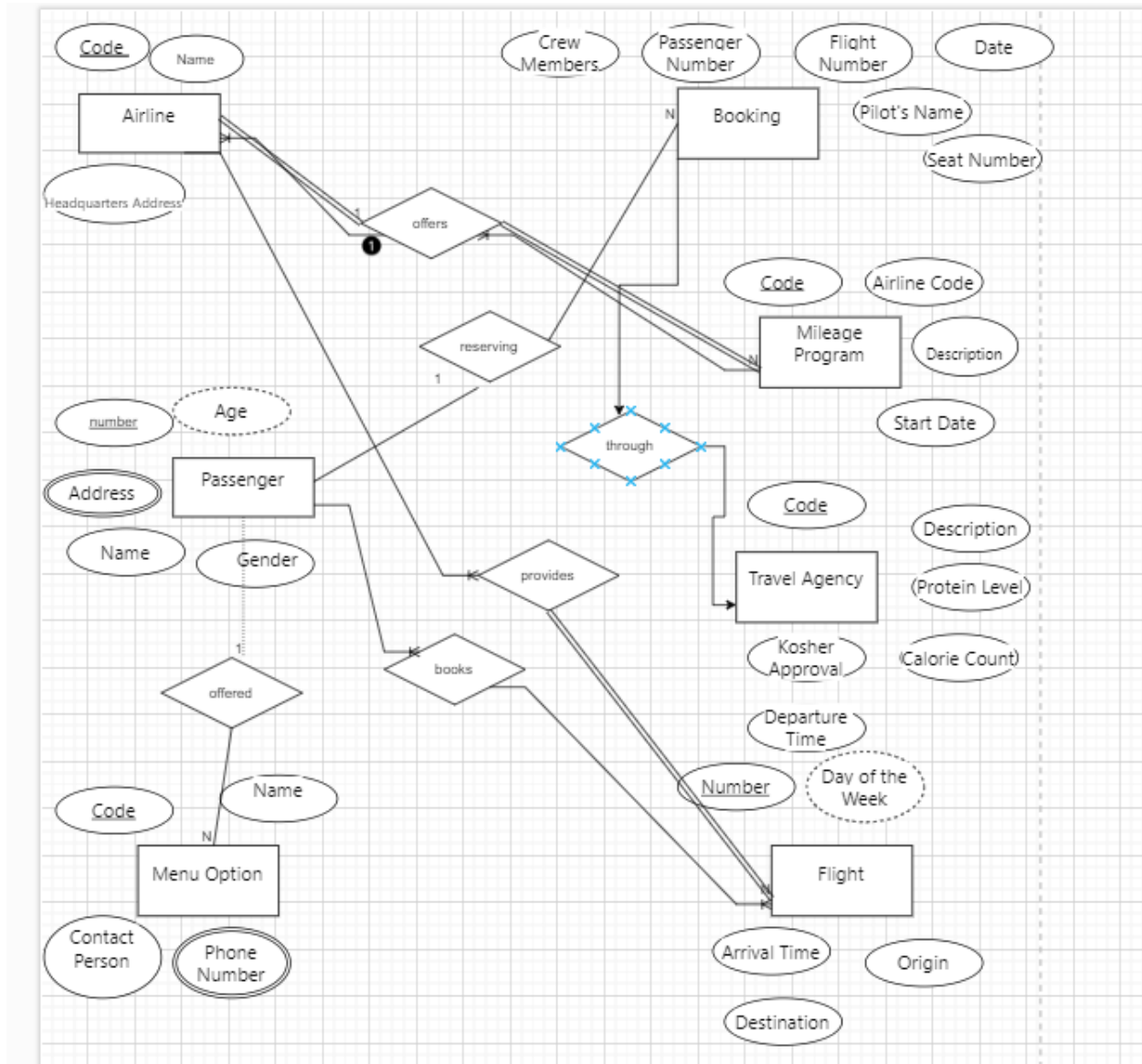


Entities Relation Diagram



Explanation:

In the airline booking and management system ERD, relationships are depicted with cardinalities that define the nature of connections between entities. Airlines offer multiple mileage programs and flights, with passengers booking flights and enrolling in mileage programs. Flights accommodate multiple passengers, and each passenger can book multiple flights. Passengers enroll in loyalty programs offered by airlines, and booking agencies handle reservations. Crew members are assigned to specific flights. Additionally, passengers can select from various menu options offered on flights. These cardinalities illustrate that airlines can provide multiple services, passengers can engage in various activities, and entities interact in diverse ways within the system. Overall, these relationships guide the design of the system, ensuring comprehensive coverage and effective management of airline operations..

