

Airline Reservation System: ER Diagram

Juan B. Del Villar

Wilson Lu

Department of Information Systems, California State University, Los Angeles

CIS 3050 Database Design and Development

Dr. Shilpa Balan

November 20, 2022

Relationships

- An Administrator schedules/modifies one or many flights ([one-to-many relationship](#))
- A Flight has one or many Flight tickets ([one-to-many relationship](#))
- One or many Flights belongs to an airline ([many-to-one relationship](#))
- An airline owns one or many aircrafts ([one-to-many relationship](#))
- A Booking office releases/reserves one or many Flight tickets ([one-to-many relationship](#))
- One or many Flight tickets correspond to an aircraft ([many-to-one relationship](#))
- An aircraft has one or many Seats ([one-to-many relationship](#))
- A Customer purchases one or many Flight tickets ([one-to-many relationship](#))
- A Customer picks one or many Seats ([one-to-many relationship](#))
- A Customer has zero or many Luggage ([one-to-many relationship](#))
- A Customer brings zero or many Carry-ons ([one-to-many relationship](#))

