

# OO Design Process

# What relationship?

- University—Student
- Student—TeachingAssistant
- Student—Freshman
- Student—Advisor
- Car—Door
- Truck—Vehicle
- TrafficSign—Color

# Multiplicities

- Student—Course
- Course—Section
- Section—Instructor
- Section—Room

# Airline seating

- Assume the airplane has 20 seats in first class (5 rows of 4 seats each, separated by an aisle) and 180 seats in economy class (30 rows of 6 seats each, separated by an aisle). Your program should take three commands: add passengers, show seating, and quit. When passengers are added, ask for the class (first or economy), the number of passengers traveling together (1 or 2 in first class; 1 to 3 in economy), and the seating preference (aisle or window in first class; aisle, center, or window in economy). Then try to find a match and assign the seats. If no match exists, print a message.