# ER Modeling Exercise

CSE 403 - Spring 1997

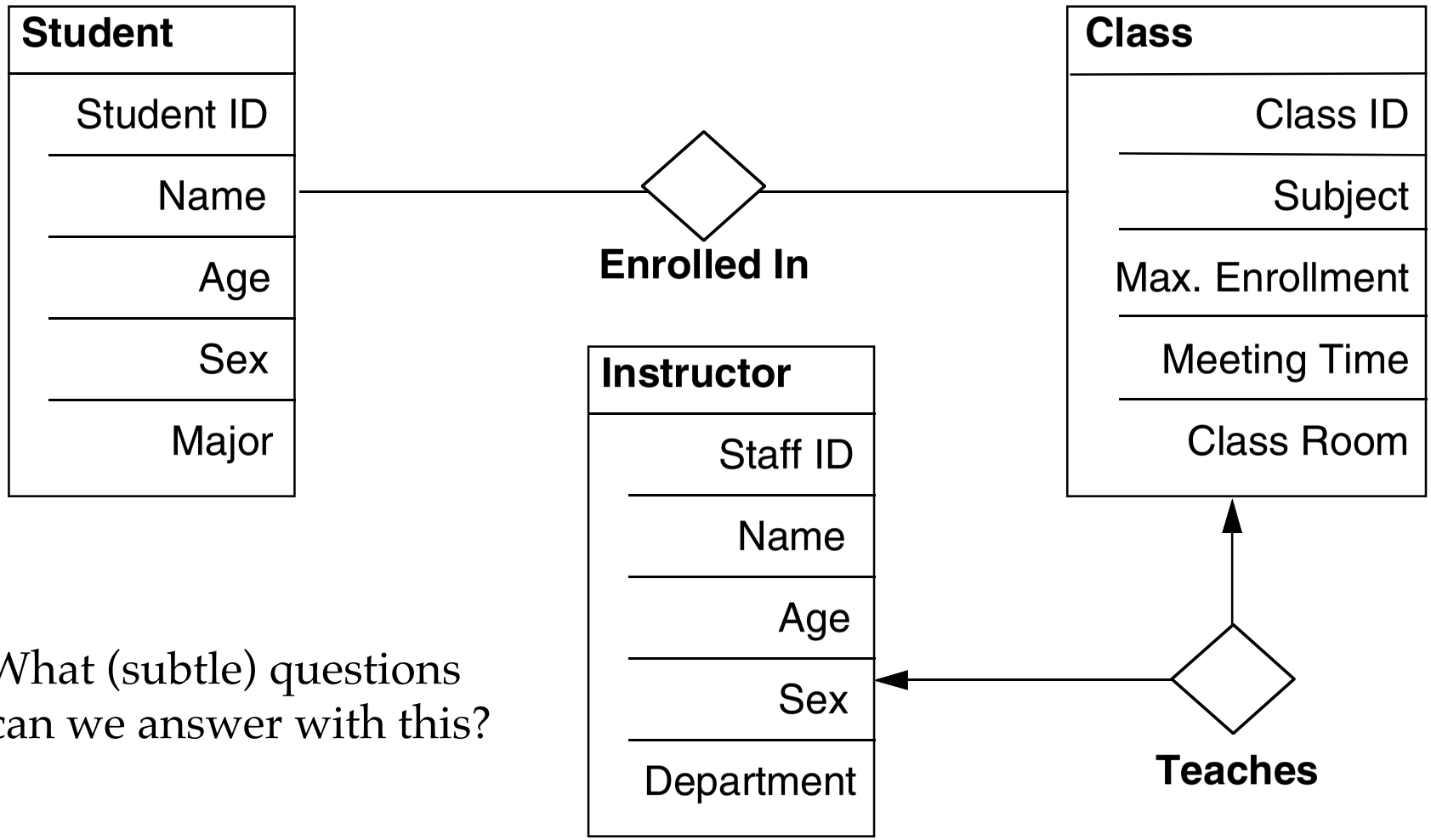
# Outline

- Warm-up
  - Student-Instructor-Class Model
- The game
  - PC Mail-order System
- Talk!

# Warm-up: Student-Instructor-Class

- Make the instructor to teach more than one class.
- Modify to reflect the fact a course consists of multiple sections.
- Reflect the following constraints in the model:
  - A student who is enrolled in a course must sign up on one lecture section and one recitation section.
  - A student who is auditing a course may just sign up on a lecture section.
  - No students not enrolled in a course may sign up on any sections.

# Student-Instructor-Class




What (subtle) questions can we answer with this?

# The Game

- Consider your PC Mail-order project.
- Based on your requirements doc, specify ER models of customers, orders, catalog items, warehouse items.
  - Are there constraints and conditions that were overlooked in the requirements?
  - What are the types of constraints that seem to be difficult to express?