

E-A Modeling

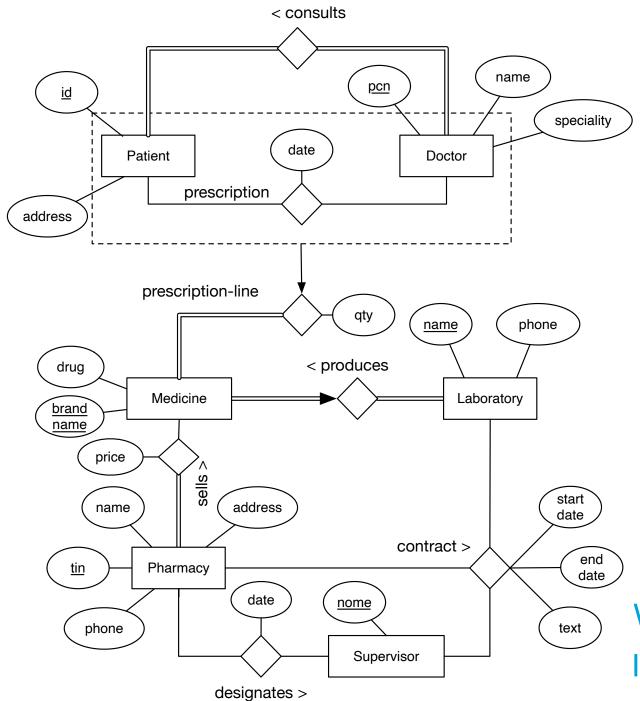
Lab companion slides



Solution for E-A Scenario 3



Scenario 3





What is missing?

ICs are missing

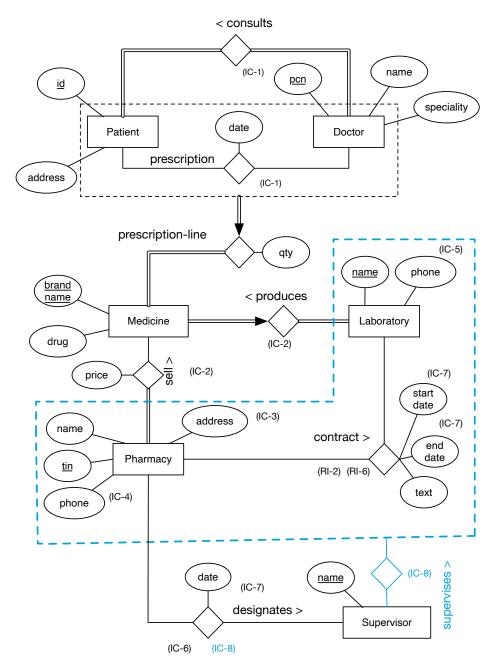
- IC-1: A Prescription can only be **prescribed** to a Patient by a Doctor who **consults** it
- IC-2: A Pharmacy can only sell Medicines manufactured by Laboratories with which it has contracts
- IC-3: The address of a Pharmacy is unique
- IC-4: The phone number of a Pharmacy is unique
- IC-5: The phone number of the Laboratory is unique



- IC-6: A Supervisor may only be designated by a Pharmacy for contracts established with the Pharmacy
- IC-7: The start date of the designation can not be earlier than the start date of the contract nor later than the end date of the contract

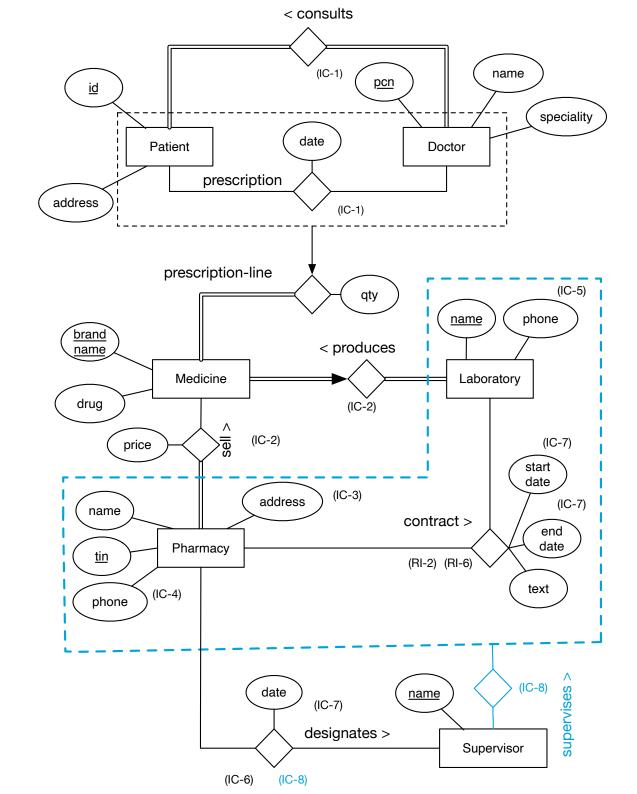


Solution with ICs



Solution for E-A Scenario 4



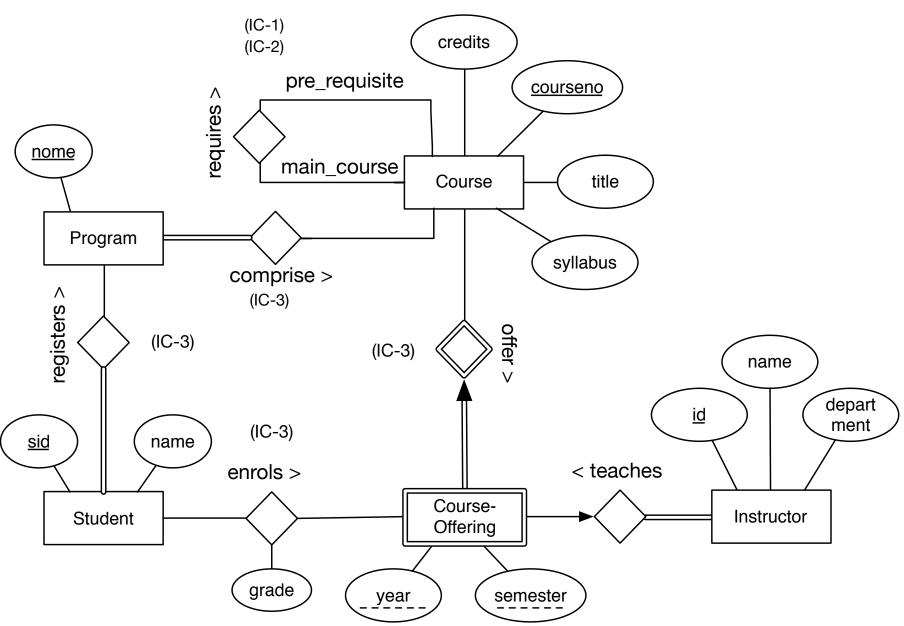




IC-8: A Supervisor may only supervise
 contracts for Pharmacy for which he/she has been designated.

Solution for E-A Scenario 5





- IC-1: A Course cannot require itself
- IC-2: Courses cannot require one another circularly
- IC-3: A Student can only **enrol** in Course Offerings **offered** from Courses **comprised** by the Program where he/she is **registered**.

