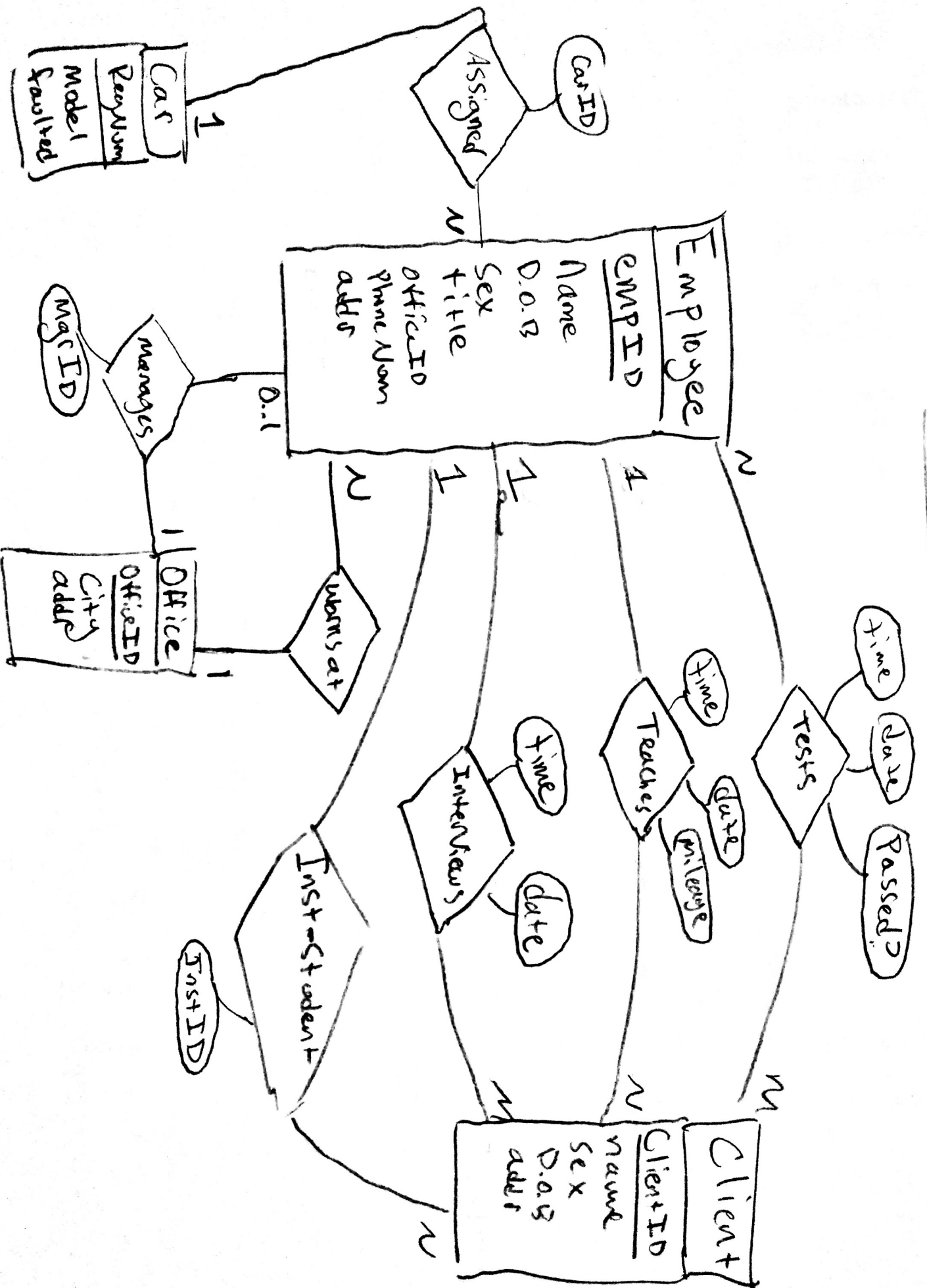


E-R Diagram



Relations

Employee: empID, name, D.o.B., sex, title,
officeID, phoneNum, address, carID

Client: clientID, name, sex, D.o.B., addr, instID

Office: OfficeID, mgrID, city, addr

Car: RegNum, model, faulted (Y/N)

Lesson: empID, clientID, time, date, miles

Test: empID, clientID, time, date, Passed (Y/N),
Reason-for-failure

Interview: empID, clientID, time, date

FDs:

① $\{City, addr\} \rightarrow OfficeID$

All relations Satisfy 1NF (no set valued attrs),
2NF (no FDs s.t. $X \rightarrow A$ where A is a single non-prime attr),
and 3NF (in the only FD, the RHS is a prime attr and the FD is non-trivial). $\{City, addr\}$ is not a superkey of Office
 \Rightarrow BCNF is not satisfied