Chapter 3 Entity Relationships - Ex 1

Create a Crow's Foot ERD for each of the following descriptions. (Note that the word "many" is meant to mean "more than one" in a database modelling environment.)

A. Customers can rent many DVDs from Omni Consumer Products. Over time each of the Rental store's DVDs can be hired out to many different customers.

B. An airline can schedule many flights, but each flight can only be flown by one airline.

C. Cyberdyne Systems operates many factories. Each factory is located in a region. Each region can be "home" to many of Cyberdyne Systems' factories. Each factory employs many employees, but each of these employees is employed by only one factory.

D. An employee may have earned many awards, and each award may have been earned by many employees.

E. Each of SPECTRE Corporation's divisions is composed of many departments. Each of the departments has many employees assigned to it, but each employee works for only one department. Each department is managed by one employee, and each of these managers can manage only one department at a time.