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CSC423
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CSC423 Project Part 1

a.) The main entity types:
    Clinic
    Staff
    Owner
    Pet
    Examination

b.) Main relationships between entity types:
    Clinic has Staff
    Staff manages Clinic
    Clinic registers Pet
    Owner owns Pet
    Staff performs Examination
    Pet undergoes Examination

c.) The multiplicity constraints on each relationship

Clinic	0…1	Has	1…*	Staff
Staff	1…1	Manages	0…1	Clinic
Clinic		Registers		Pet
Owner		owns		Pet

Relationship	Multiplicity Constraint
Clinic has Staff	(0
Staff manages Clinic	One to One (1…1)
Clinic registers Pet	One to One (1…1)
Owner owns Pet	One to Many (1…*)

Staff performs Examination	One to Many (1…*)
Pet undergoes Examination	One to One (1…1)

d.) The attributes for each entity or relationship type

Entity or Relationship Type	Attributes
Clinic	clinicNo (INT, UNIQUE) clinicName (VARCHAR) address (VARCHAR) phoneNumber (INT) staffNo(INT UNIQUE)
Staff	StaffNo (INT, UNIQUE) name (VARCHAR) address (VARCHAR) phoneNumber (INT) dOB (DATE) position (VARCHAR) salary (INT)
Owner	ownerNo (INT, UNIQUE) name (VARCHAR) address (VARCHAR) phoneNumber (INT) petNo(INT UNIQUE)