Project - Part 1

- a. Main entity types:
 - Clinic
 - Staff
 - Owner
 - Pet
 - Examination
- b. Main relationship types between the entity types:
 - Clinic **employs** staff
 - Clinic **registers** a pet
 - Owner **owns** pets.
 - Pet **undergoes** an examination
 - Staff **performs** an examination
 - Staff manages Clinic
- c. Multiplicity constraints for each relationship:
 - One clinic employs many staff members
 - One pet can only be registered at one clinic, but a clinic can have many registered pets.
 - One owner can own one or more pets, but a pet can only have one owner.
 - One pet can undergo many examinations by many members of staff, but an examination can only be performed on one pet by one member of staff.
 - Only one staff member can manage only one clinic
- d. Attributes associated with entity or relationship types:
 - Clinic: clinicNo, name, address, telephone number
 - Staff: staffNo, name, address, telephone number, DOB, position, salary
 - Owner: **ownerNo**, name, address, telephone number
 - Pet: **petNo**, name, DOB, animal species, breed, color
 - Examination: examNo, chief complaint, description, date seen, actions taken
- e. Candidate and primary key attributes for each entity type:

- Clinic: primary key clinicNo, candidate key clinicNo, address, telephone number
- Staff: primary key staffNo, candidate key staffNo, address, telephone number
- Owner: primary key ownerNo, candidate key ownerNo, address, telephone number
- Pet: primary key petNo, candidate key petNo,
- Examination: primary key examNo, candidate key examNo,

