COSC 304 Lab 5

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**Question 1:**

A diagram of a computer

Description automatically generated



**Relational Model:**

Owner (id {PK}, firstName, lastName, address)

Pet (name {PK}, \**ownerId*\* {PK}, age, description)

// ownerId is a FK to Owner

Cat (\**ownerId*\* {PK}, \**petName*\* {PK}, hasClaws, isSocial)

Dog (\**ownerId*\* {PK}, \**petName*\* {PK}, size, isBarker)

// ownerId, petName are FK to pet

PetStay (startDate {PK}, \**petName*\* {PK}, \**ownerId*\* {PK}, \**roomNumber\** {PK}, \**buildingId*\* {PK}, endDate, cost)

// petName, ownerId are FK to pet, roomNumber, buildingId are FK to room

Room (roomNumber {PK}, \**buildingId*\* {PK}, roomSize)

// buildingId is a FK to Building

Building (buildingId {PK}, buildingName, yearBuilt)

**Question 2:**

A diagram of a company

Description automatically generated

A screenshot of a computer

Description automatically generated

**SQL DDL:**

In separate file.

**Mission Statement and Executive Summary:**

Our Goal is to be the amazon of selling drugs, selling more than twice the drugs as our competitors, and to sell only the best quality drugs.

our website, Drugs.com, is going to sell many kinds of premium drugs to our users.

we will pride ourselves on only selling the best drugs for the best prices.

Customers can order online and have the drugs shipped right to their door.