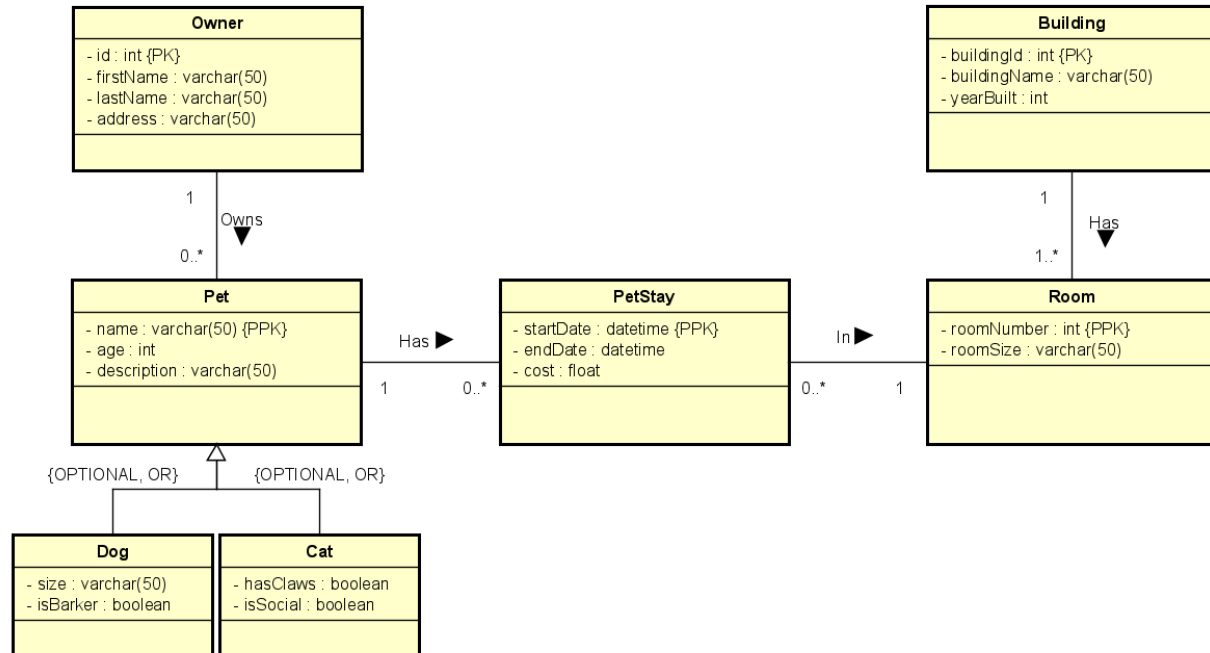


# COSC 304 Lab 5

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## Question 1:



Lab5.1. Pet Daycare

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7

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## 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)

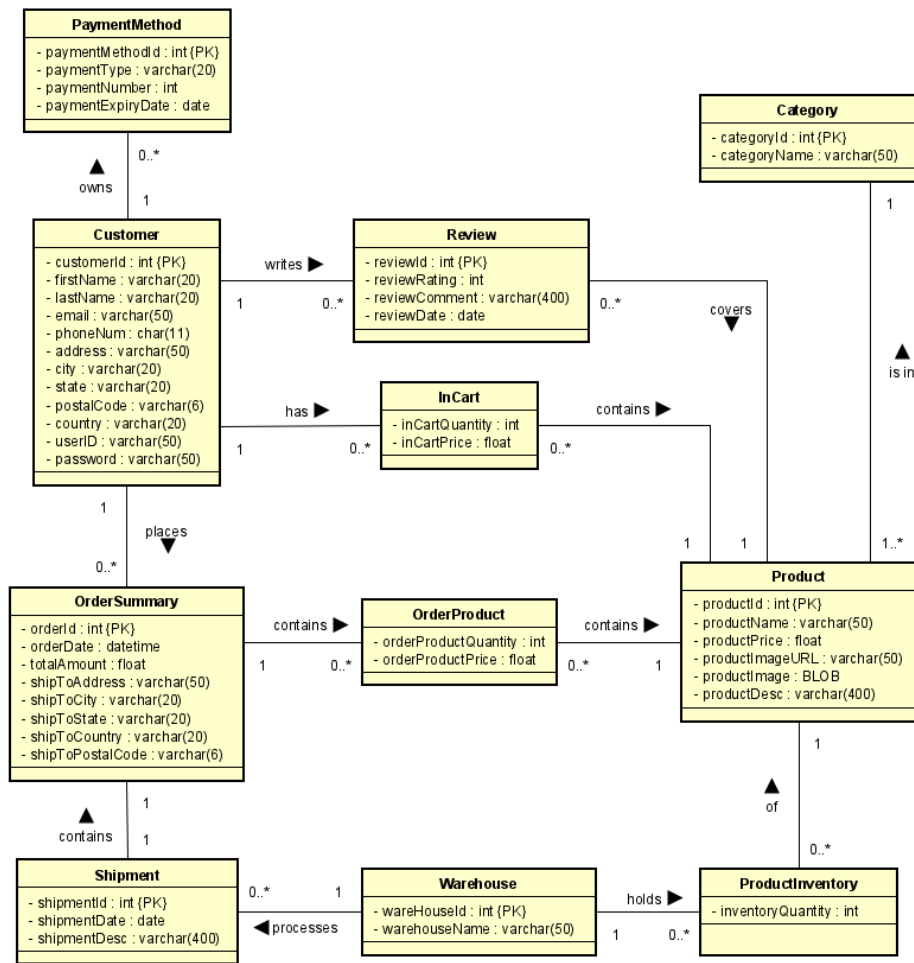
// petName, ownerId are FK to pet, roomNumber, buildingId are FK to room

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

// buildingId is a FK to Building

Building (buildingId {PK}, buildingName, yearBuilt)

### Question 2:



Lab5.2 Project

</>

Manage RelationshipsManage Entities

A **Customer** is identified by an auto-increment **id**. Other attributes include **first name**, **last name**, **email**, **phone number**, **street address**, **city**, **state**, **postal code**, and **country**.

A **Customer** also has a **user id** (unique) and **password**.

A **customer** may have one or more **payment methods**. A **payment method** has an auto-increment **id** for a key, a **payment method type** (PayPal, Visa, etc.), **payment number**, and **payment expiry date**.

An **Order** is placed by one **customer**. A **customer** may have multiple orders. An **Order** has an auto-increment **id**, **order date**, and **total order amount** (e.g. \$55.75). Also store the **shipment address**, **city**, **state**, **country**, and **postal code**. Use **OrderSummary** as entity/table name as order is a keyword in SQL.

The store sells **products**. A has an auto-increment **ProductId**, **name**, **price**, **image URL** (string), **image** (BLOB), and **category**.

A **product** has a **category**. A **category** has one or more **products**. A **Category** has an auto-increment **id** and **name**.

**Products** are **part of an order**. An **order** may have one or more **products**. For each **product in an order** track the **quantity** and **price**.

An **order** is shipped with a **shipment**. A **Shipment** has an auto-increment **id**, a **shipment date**, and a **description**. A **shipment** contains only one **order**.

A **Warehouse** contains **products**. A **product** may be stored at multiple warehouses with different **inventory values**. A **shipment** will be sent from only one **warehouse**. A **Warehouse** has an auto-increment **id** and a **name**.

For each **customer**, track their **shopping cart** which will contain one or more **products** each with a **quantity** and **price**.

A **product** may have reviews by customers. A **Review** by a customer on a product has an auto-

Lab 5

Assessment overview

Total points: 21/28

Score: 75%

Question

History: 21

Total points: 21 / 21

Auto-graded question

Report an error in this question

Previous question

Next question

Personal Notes

No attached notes

Attach a file

Add test note

**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.