**Week 4 Assignment**

**Assigned September 20th due the class after the midterm, September 27th ( 30 pts)**

*ERD Chart*

# Java Groove

# Evergreen, Colorado



*Credit: https://www.christiesrealestate.com/localguide/evergreen-colorado-luxury-real-estate-guide-denver*

 Background

The goal of this exercise is for you to begin to understand how the tables in a database relate. For this assignment, you will need to create an entity relationship diagram (ERD) similar to retail one we discussed in class.

A personal friend of mine was working remote for a major healthcare company in customer service/sales role making decent money for a prestigious company, but he absolutely hated his job. He always wanted to move to Colorado, so we and his family moved to Evergreen Colorado last year. He still had his terrible job and to ease the pain of the day, he was frequenting the café. Eventually he made the move and bought the café!

**See Website:**

<https://java-groove.business.site/>

**See Social Media presence:**

* [Javadadlife](https://tiktok.com/@Javadadlife?fbclid=IwAR151RXZpmkig0YQcnmwVSPLLYKU7GRm08tOczxcbtFiMJ8CWBo5W1oEBgk)



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<https://www.facebook.com/javagroove/>

The old owners were great people and super well known in the town but were not too technical. Eric soon realized that they needed to redo their social media and marketing approach and also their database. Consider the data tables you will need in order to bring the Java Groove Cafe into the 21st century. You know you have customers and orders and inventory (you will need to think about more things you will need - be creative!). Each of them may require numerous tables (as per the examples given).   
  
Think about the fields needed in each table. For example, your customer database needs:  
◦names  
◦addresses  
◦a customer ID  
◦customer status (active, inactive, preferred, etc)  
◦what else?  
  
How about your food? What about merchandise? What else might you need? Your ERD must clearly label primary keys and foreign keys, and show their relationships so that they are easy to follow.

1) Answer the first set of questions with an ERD for the JAZZ GROOVE CAFE  
  
I recommend creating at least 4 tables in an ERD in Word or Excel or PPT or lucid charts, and then uploading the finished product. Show Primary Key and Foreign Key and Cardinality in the relationships.  
  
You will be graded on the quality and completeness of your submission

2) Answer the second question considering the following to adjust the ERD

a) The company also wants to feature local artists and their paintings to be sold ( No money goes to the café). How might they adjust the ERD?

b) The coffee shop wants to offer delivery of anything in the shop within 5 minutes of the cafe. Orders can be made online and will show up in the register for the barista to fulfill. There will also need to have some employees available to deliver.

For question 2, make adjustments based on the above and explain your approach.