Part I: Creating the EER Diagram

Reference Figures 1 and 2 to create a matching EER Diagram in MySQL Workbench. Use the video from Week 6 on transitioning from an ERD to MySQL tables as a guide. Figure 1 shows the necessary constraints and Figure 2 shows the data types of each attribute. You will need information from both Figures to complete this part.

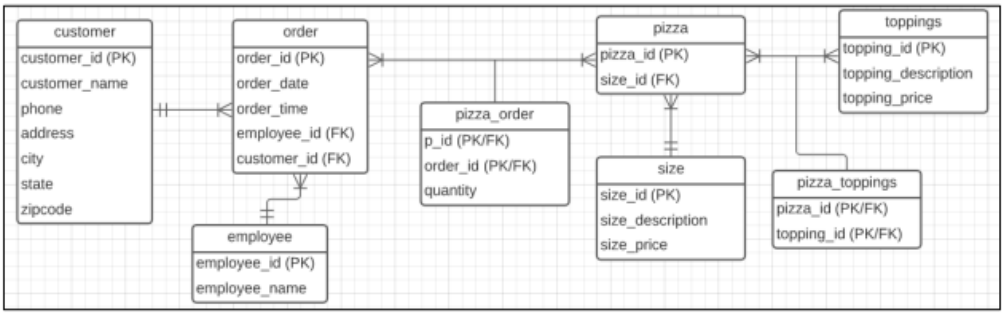

Figure 1

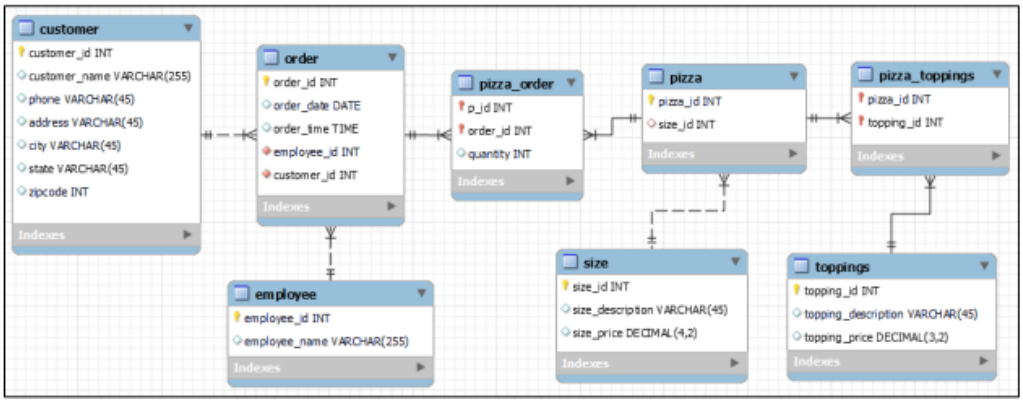

*Figure 2 *Note that an attribute with a red diamond is a foreign key and an attribute with a red key is BOTH a primary and foreign key. The red keys MAY NOT appear if you have NOT updated MySQL Workbench.**

Part II: Creating the Schema and Tables

1. Create a new schema called pizza_lastname and replace "lastname" with your own last name.

2. Using the method shown in the ERD to MySQL tables video, generate and run the CREATE statements needed to create the tables in the schema. Remember that the order in which you create the tables matters. Additionally, be careful that you enter the correct datatype for each attribute and spell each attribute as indicated in Figure 2.

3. Save your CREATE statements in ONE .sql file to upload on Blackboard. Use **"lastname_create.sql"** to name the file.

Part III: Inserting the Data

1. Download the text files on Blackboard that hold records for each table. There are EIGHT (8) text files.

2. Using your knowledge of text manipulation, modify each text file so that it includes the set of INSERT INTO statements required to load data into each table. There are MANY ways to accomplish this task.

   HINT: Use "Find and Replace" OR consider manipulating the data in Excel to get all necessary syntax in your INSERT INTO statements.

3. Copy the INSERT INTO statements you created into a new SQL file in MySQL Workbench and run them to insert data into your tables. *Remember, the order of the tables matters. You may want to consider running INSERT INTO on ONE table at a time. HINT: Foreign keys are what dictates a valid order.*

4. Save your INSERT INTO statements in ONE .sql file to upload on Blackboard. Use **"lastname_insert.sql"** to name the file.