

CPCM/FSDM – Database Design & SQL

Practical Activities 1_2_3_4 – 2023S

Student ID :

Student Name :

Please Note :

This Practical Activity consists of 4 Practical Activities.

Draw a complete Entity Relationship Diagram (ERD) for the following.

Perfect Pizza is a pizza delivery shop. They only create pizzas for home delivery. They have recently designed a new database to track their sales. They use the customer's telephone number for a Key column in the Customer table. They are interested in households, not individuals. They need the street address and zip code for the delivery. They only deliver to three zip codes: M1G2V5, M1B6H9, and M1B6K2. With the zip code, they can fill in city and state information later, though they prefer to do it when they enter a new customer. In the OrderDetail table, they store the price charged for two reasons: First, it may be different than product price due to a discount or special allowance, and second, it keeps a historic record of the price. That way, if they change the price in the product table, it doesn't affect the prices charged in past sales.

Hint :Entities may include Customer,Employee,CustomerOrder,Product & ProductDetail

Practical Activity #1

1. Identify the Entities Related to the Above Problem

Practical Activity #2

2. Identify mandatory and optional attributes (if any)

Practical Activity #3

3. Write the Relationship Matrix

Practical Activity #4

4. Draw the complete ERD

Note :

Use Software Tool to Draw the ERD . But Upload the PDF as explained

Include your name and student number in the ERD