

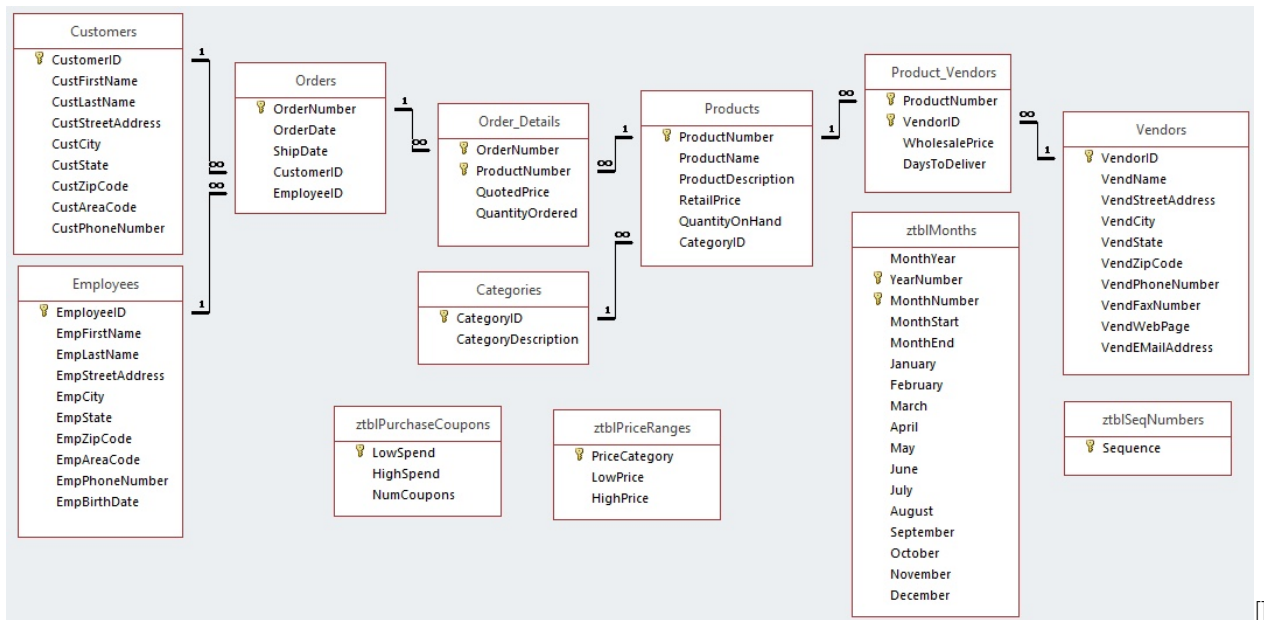
# DSO 552: SQL Databases for Business Analysts

## Homework 02

**Due Date: Wednesday September 18, 2019 (at the end of the day at 11:59pm)**

### Sales Orders Database

This database is an order entry database for a store/shop that sells bicycles and accessories. The following figure shows the ERD for the database.



1. (1 point) List the vendors (name) that are based in Bellevue, Ballard, and Redmond? Your table should only include 1 variable: name.
2. (1 point) Show all product names that cost the shop less than \$100. Your table should include the product name, product wholesalesprice, and the vendor name.
3. (2 points) Find all the customers who have ordered a bicycle helmet in the past. Your table should include three columns: first name, last name, and product name.
4. (2 points) Suppose that the shop is out of the product “Shinoman 105 SC Brakes” and they are looking to get it very fast from one of the vendors. Among the all vendors in the database, which vendor is the fastest to supply the shop with the product “Shinoman 105 SC Brakes”? Your table should include four columns: vendor name, vendor state, and vendor phone number.
5. (1 point) Which products have never been ordered? Your table should only include the names of the products.
6. (1 point) Create a new variable called revenue to show how much revenue the shop generated from each order in January 2018 (use **shipdate** for date comparisons)? Your table should have three columns: ordernumber, shipdate, and the revenue.

7. **(2 points)** The shop has large numbers of “Shinoman Deluxe TX-30 Pedal” product in their inventory. The shop has decided to do target marketing and reach out to those who have already bought this product before in order to increase sales. Return a list of all customers (firstname, last name, and phone numbers) who have bought this product before. Your table should include three columns: firstname, last name, and phone numbers.