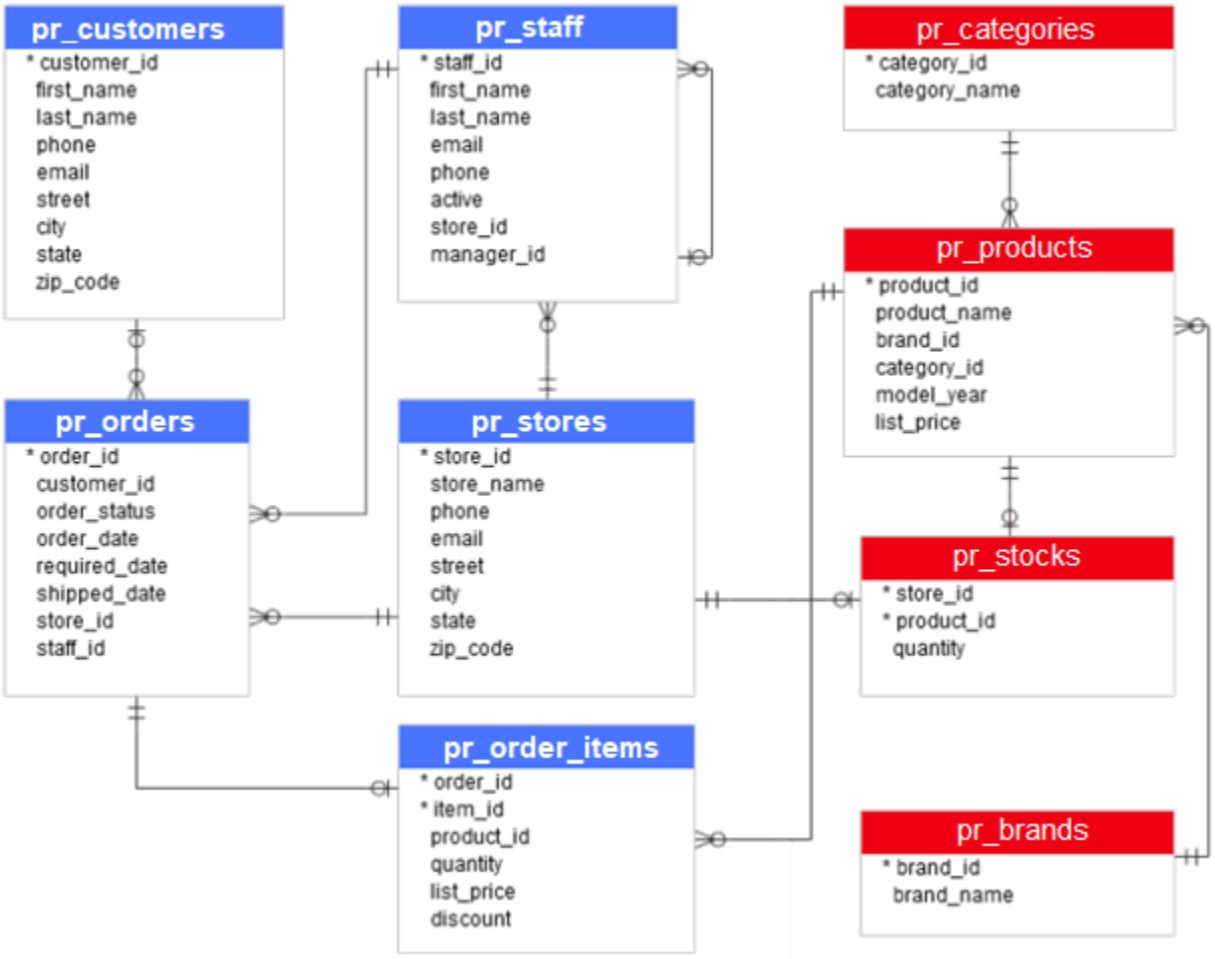
Sales Project

For this project you'll have to perform the following tasks and submit in as a single pdf document all the PL/SQL statements you executed. If some files need to be preprocessed, please include those steps too.

1. Based on the below schema and the *.csv files (given compressed as PR_data.zip in Lea document list) create the corresponding database tables and load the data from data.sql file into the database. Describe the method used (SQL Loader, Java/Python scripts, Excel, …)



2. Write a query that will return **store_id, store_name, total_qty_sold, stock_qty**. Where **total_qty_sold** represents total quantity sold in that store; **stock_qty** represents the product quantity in the store's stock.

3. Create table **order_items_log** with the following columns: **order_id, item_id, product_id, quantity, changed_by, changed_date, change_type**. Create a trigger on the **order_items** table that whenever there is an insert/update/delete will insert a new row into **order_items_log** table. Where the changed_by column will contain the user that changed the data (given by the following statement `SELECT sys_context('USERENV', 'CURRENT_USER') FROM dual;`); changed_date will contain the current date and change_type will contain either value 'I' 'U' or 'D' depending on the operation performed.

4. Create function **customer_bought_price(customer_id, start_date, end_date)** that will return an integer representing the total money amount paid by the customer between start_date and end_date. Function will return 0 if there are no sales for this customer.