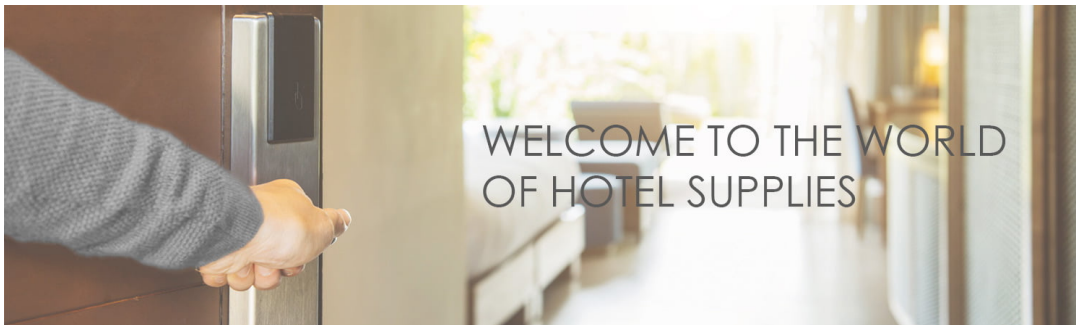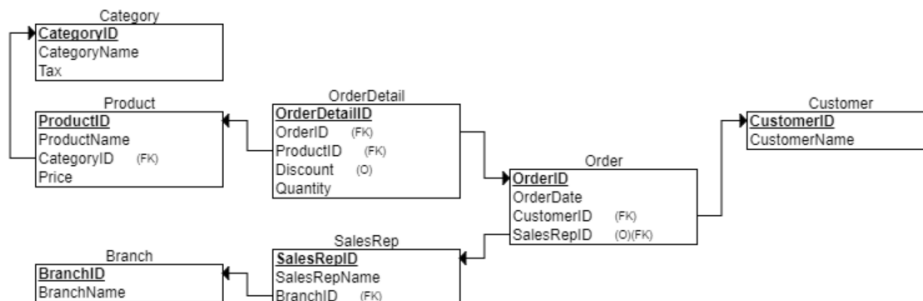# The Challenge
Hotel Supply Store Sales Analysis

Suppose you have started working as a Business Intelligence analyst for a Store that sells Hotel Supplies. In your first week your boss requested a set of reports to understand better the sales trends.

The IT department provided a data model, the structures of each table and csv files to be loaded into the database.

The IT department has defined PostgreSQL as the tool to perform the task.

The list of requirements from your boss is:

1) Preparation:
a. Create a database called ProductSales;
b. Run the scripts to create the structures (table_creation.sql).
c. Run the scripts to load the data into the structure created.

2) Query the database to select the number of units, average, standard deviation, max and min product price by category.

3) Query the database to select the top 10 best-selling products of all times.

4) Query the database to select the gross revenue and total tax by year.

5) In 2014, customers that purchased more than $ 30,000 in products will be segmented as loyalty members. Discover the list of eligible customers.

6) The sales reps receive a 20% commission fee over the total of the sale. You must calculate the commission of each employee. Online sales should appear at the list grouped, although they don't have a specific sales rep name.

Good luck!