

Project Milestone: Initial Setup and Data Load

IMT 563, Autumn 2018

Team 7: Aditya Chatterjee, Sahil Aggarwal, Shreya Sabharwal, Akshay Khanna

These are the files we are submitting as a part of this assignment:

1. Create_table_statements.sql - A sql file which has the create statements for our hotel reservation schema.
2. Schema.sql - The entire schema has been exported/dumped in this sql file.
3. Test_queries.sql - A file with basic sql queries like SELECT, JOIN and GROUP BY
4. Data_generation.js - A JavaScript file containing the script to add synthetic data to all the tables within the database

Assumptions:

- a. All hotels exist in the United States.

Limitations:

- a. The RESERVATION table (for now) does not have HOTEL_ID (the ROOM_ID is a combination of HOTEL_ID and ROOM_NUMBER). We will add a HOTEL_ID attribute in the RESERVATION table as we go ahead.
- b. Our schema does not contain a flag to determine if a reservation is active, inactive (if it was in past) or cancelled as we are not tracking check-out date.
- c. We have only one categorical field and one numeric field to perform aggregations on. We might have to add a few fields in case we need to perform more data aggregations.
- d. To support the third question from the assignment, a categorical variable (ROOM_TYPE) was added. It is not included in the data generation script and was populated using SQL.