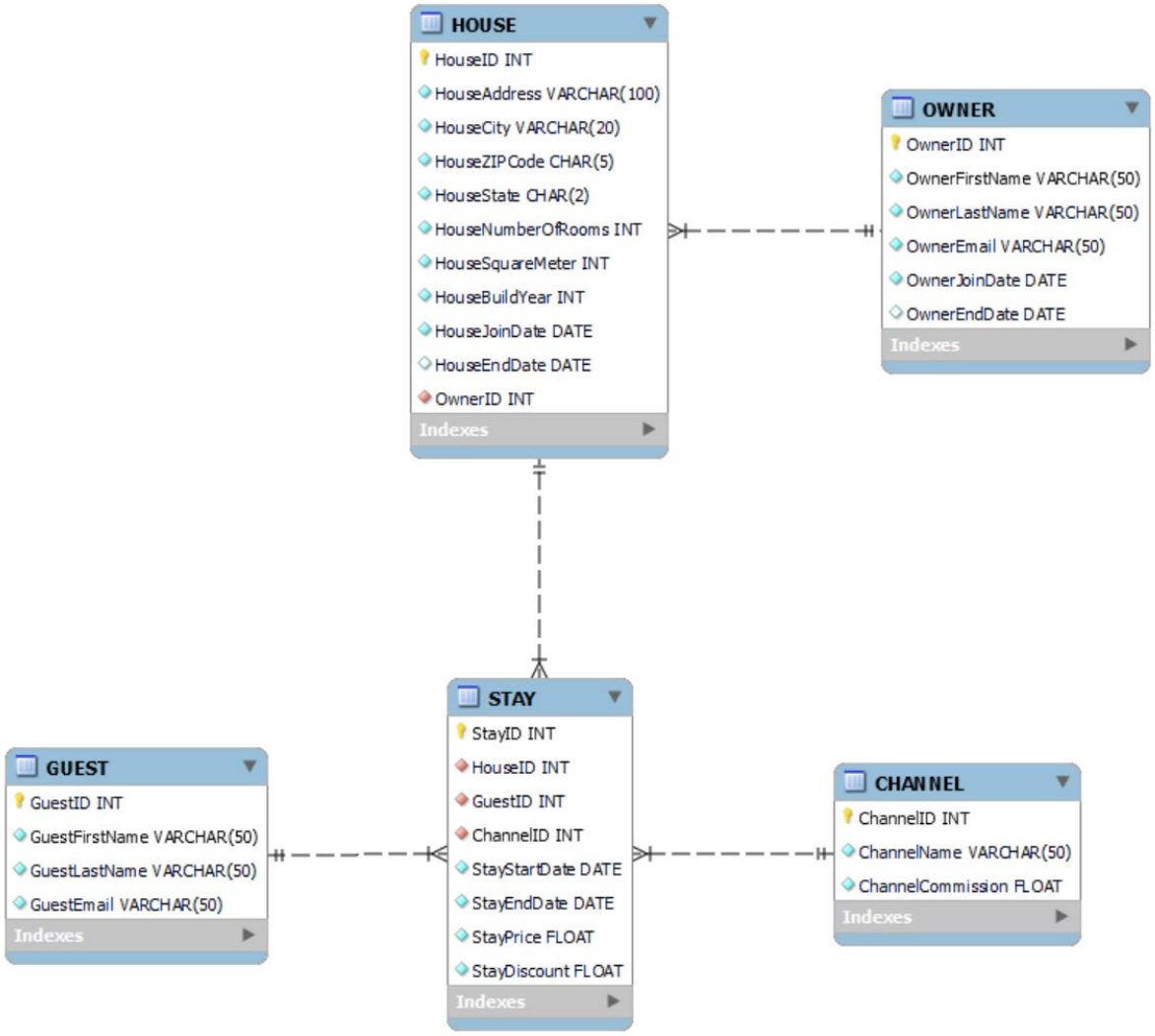
PracticeSet02

Summary

InstantStay is the new online marketplace to find accommodation in various cities and states. It focuses on gathering the house owners and tenants together as a trusted platform. Hosts join the system with their houses to be rented out. Similarly, guests join the system to rent available houses. In addition, channels such as travel agencies, and newspapers join **InstantStay** for connecting customers from different platforms.

Database Schema



In the OWNER table, data for the house owners are collected with their personal information.

In the HOUSE table, all houses in **InstantStay** are collected with detailed address and respective characteristics about the houses.

Guests are the customers registered to the platform to access information, offers and stay at houses in **InstantStay**. Data of the guests are collected in the GUEST table.

As a large platform, **InstantStay** hosts multiple channels with different commission rates. The channel related information is collected in the CHANNEL table:

Finally, each reservation in the system is collected in STAY table. Reservations are collected with the corresponding house, guest and channel, start date, and end date. The price information along with discount are tracked in this table. Negative prices indicate cancellations and required repayments.

You, as the database administrator, are assigned to collect and manage transactional data of the **InstantStay** operations. Your main task is to create SQL scripts to help other teams in **InstantStay** to retrieve the required data. In the following tasks, you will collect the requested data to help other teams be successful in their business operations.

Instructions

Use file *Practice02-SetupDB.sql* to create the *InstantStay* database in your RDS and populate the tables with starter data. You should not change the setup file, but you may want to read it for a sense of the data in the database.

Using the structure of the *InstantStay* database shown above, create SQL commands to answer the problems in SQL Lab PracticeSet02. TEST your solutions before submitting them to the autograder!

Each problem comes in its own file with the problem description and a place for your solution. You will submit one file for each problem in the set to the autograder for evaluation. Zip all of your completed problems into a single file for submission to the autograder. Make sure you put your code in the location indicated and DO NOT change the names of the files!