
BEMM459J
Database Technologies for Business Analytics

Applications of DBMS: MAGS: Online Hotel Booking Platform

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Project Overview

Objectives:

- ❑ to simplify the process of booking the hotel for our users
- ❑ to maintain a hotel database
- ❑ to help users find proper hotels
- ❑ to help users to see the room availability

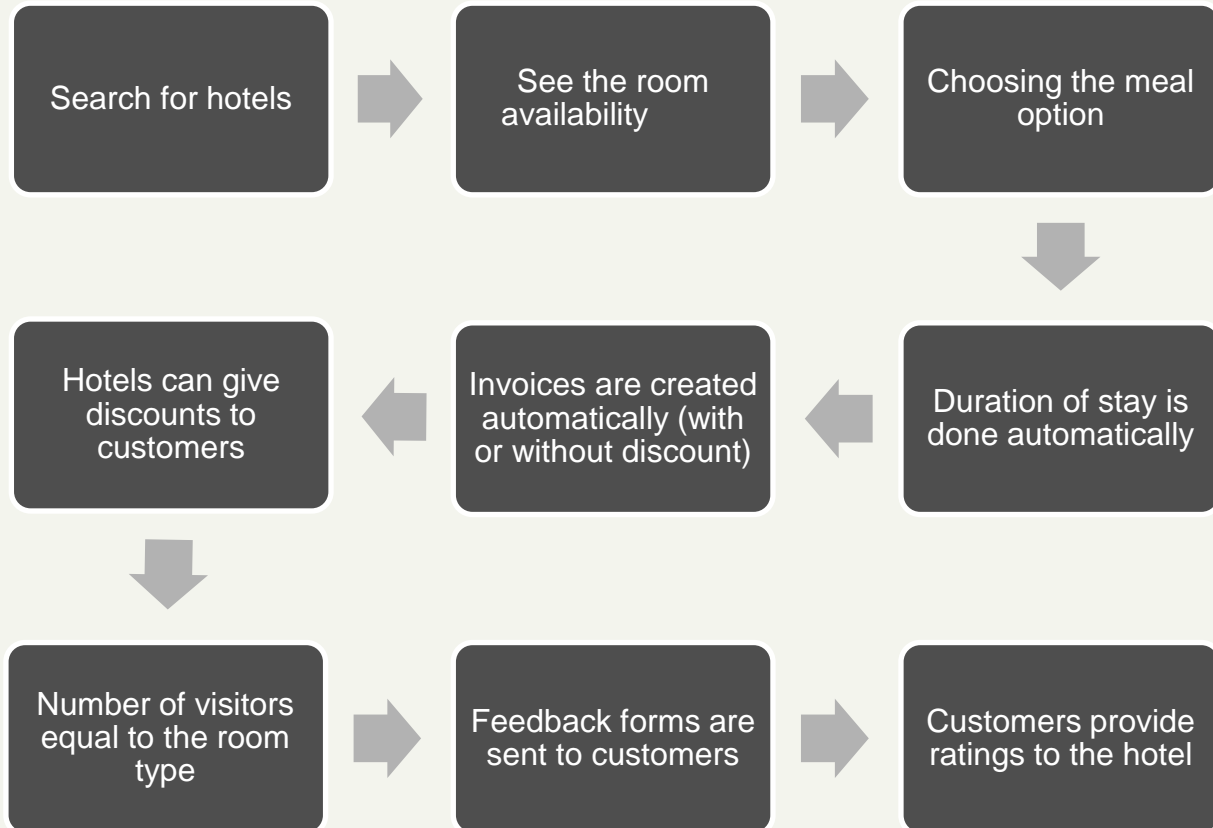


Application functions:

- ❑ Take reservations
- ❑ Generate invoices
- ❑ Ability to apply discounts if any
- ❑ Take Feedback

APPLICATION USE CASE

Relationship
Database





Security

Limited access, the data is safe



Better performance

Providing updates and cost effective



Speed

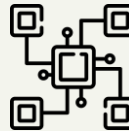
Provides fast and efficient way to store and manipulate the data

SQLite



Simplicity

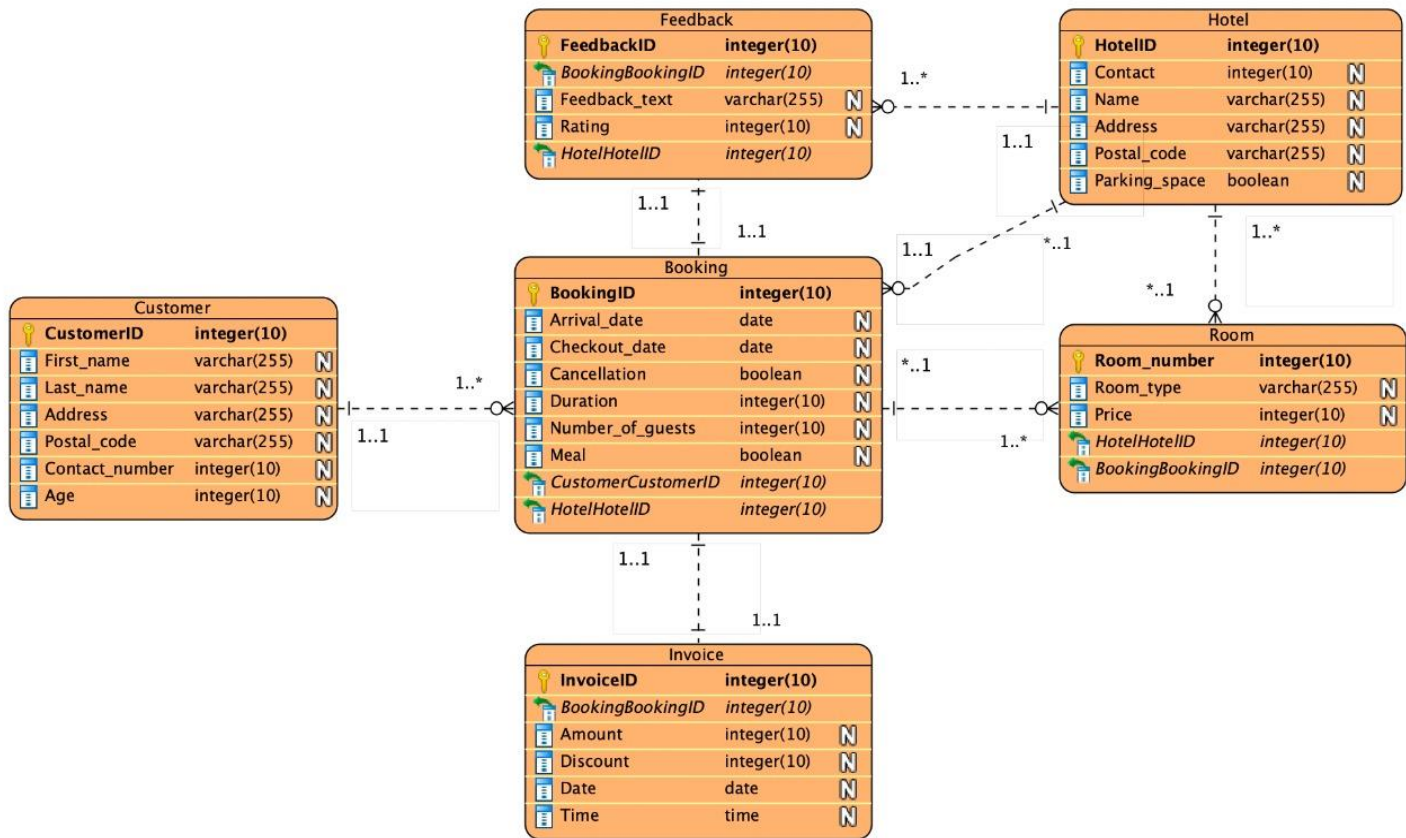
Easy to learn



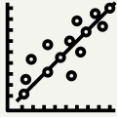
Integration

Works with Python and R

ER Diagram



NoSQL - MongoDB



Linear scalability



Flexibility



Big Data Capability



Fast Performance



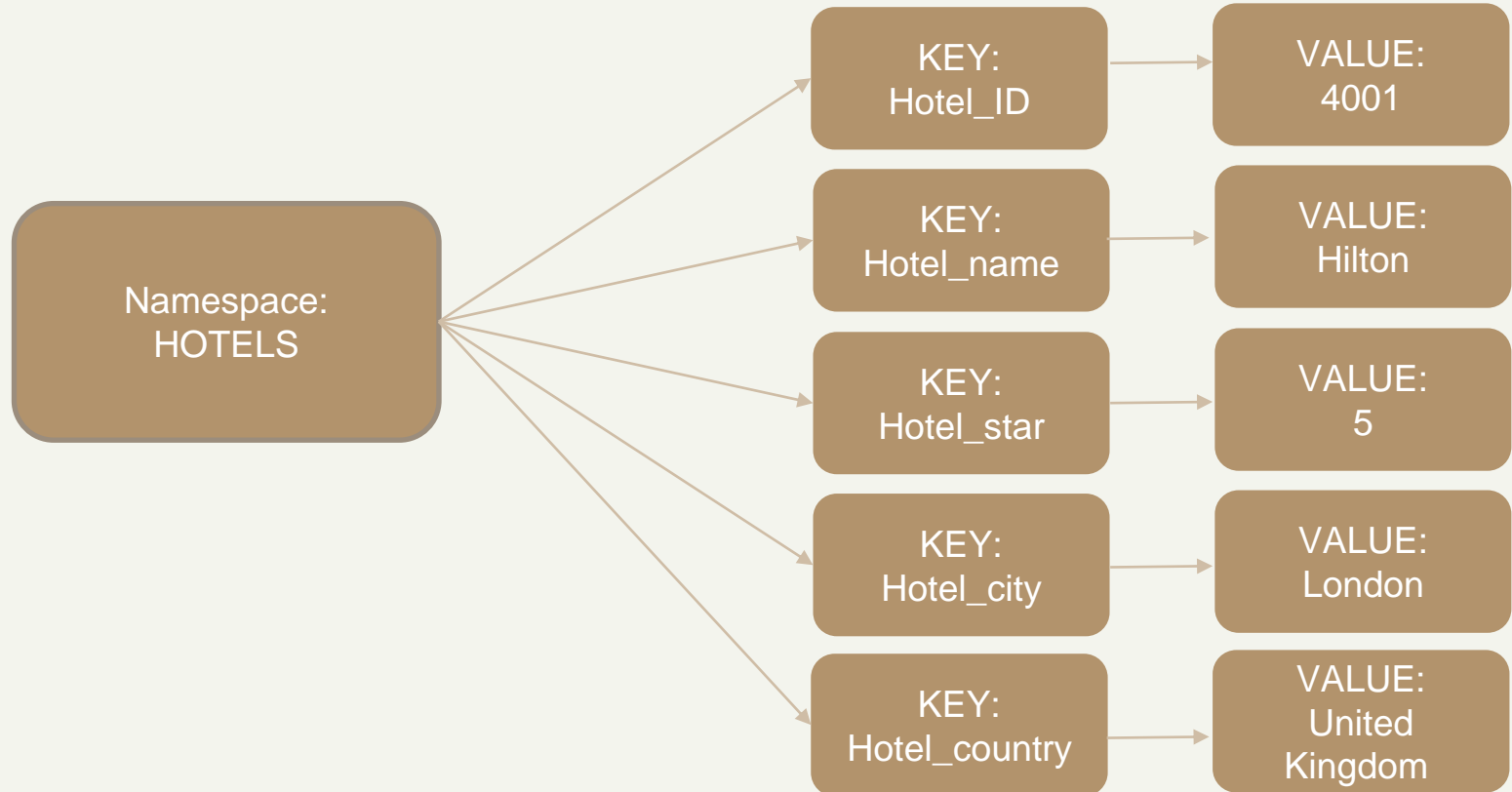
Open souce



Wide functionality

Non-Relational Database

- Creation of hotel database using MongoDB





THANK YOU!