Hotel Database

Presented By :

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What Will Be Covered?

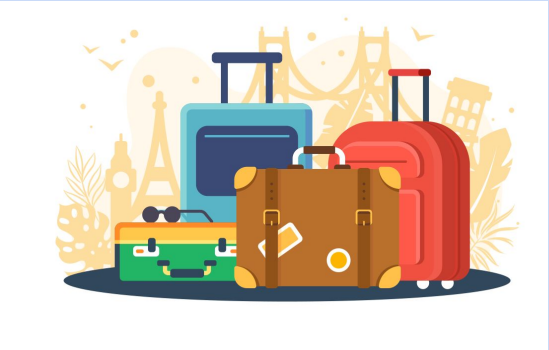
- What is our project/Why we chose it
- Overview of the following :
  - Data Set → room number, type of room, check-in, guest name, etc.
  - Data Structures → to be presented with UML diagrams
- Scenarios, feedback and errors encountered
- Live Demo of Project

What is the Hotel Database?

It is designed to mimic a real-life database located in hotels that stores basic information about guests and their reservations.

Why Choose This Topic?

Hotels are a crucial aspect in the tourism.
Virtually all tourists have stayed in a hotel.



Overview : Data Set

Due to the fact that hotel guest data is confidential, our team had to compromise and create our own data set.

<u>Our database has the following fields:</u>

Room Number (String) – unique key

Guest Name (String) – secondary key

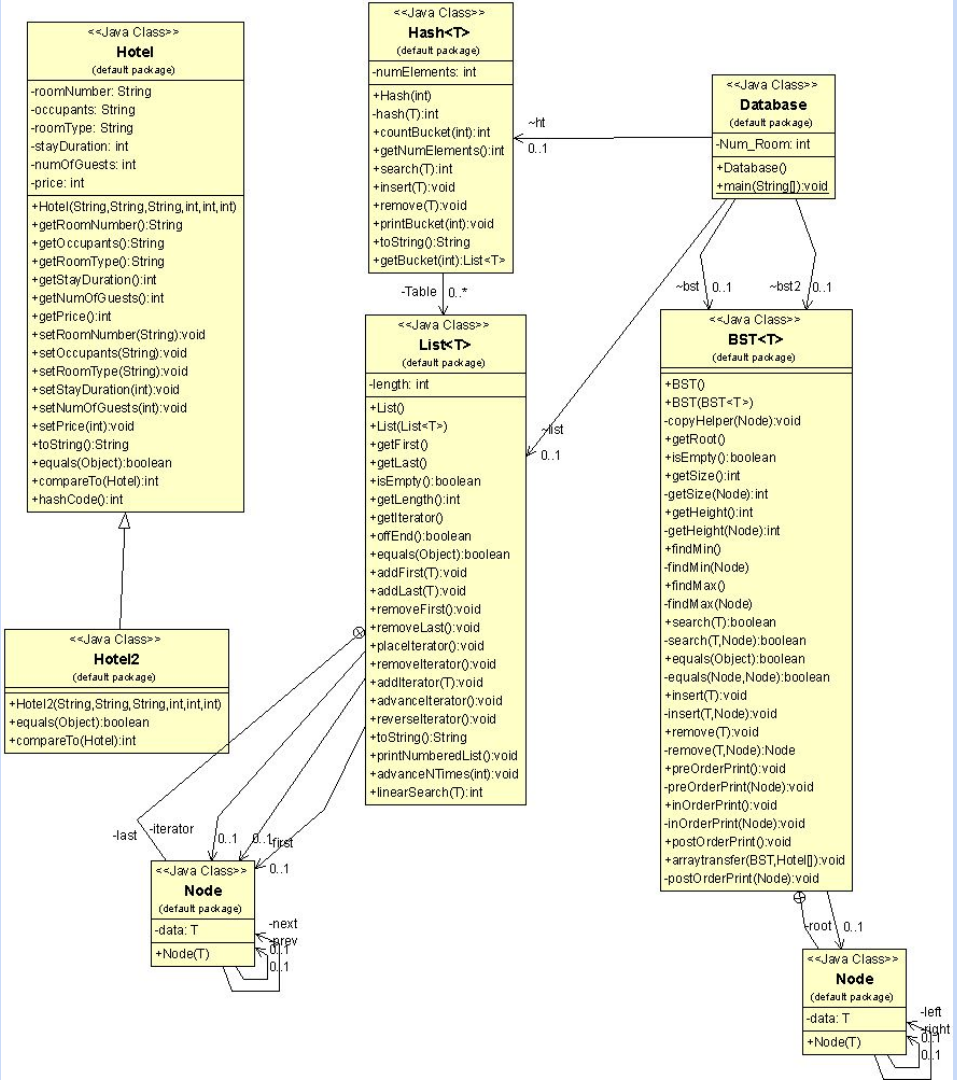
Type of Room (String)

Stay Duration (Int)

Number of People Staying (Int)

Price (Int)

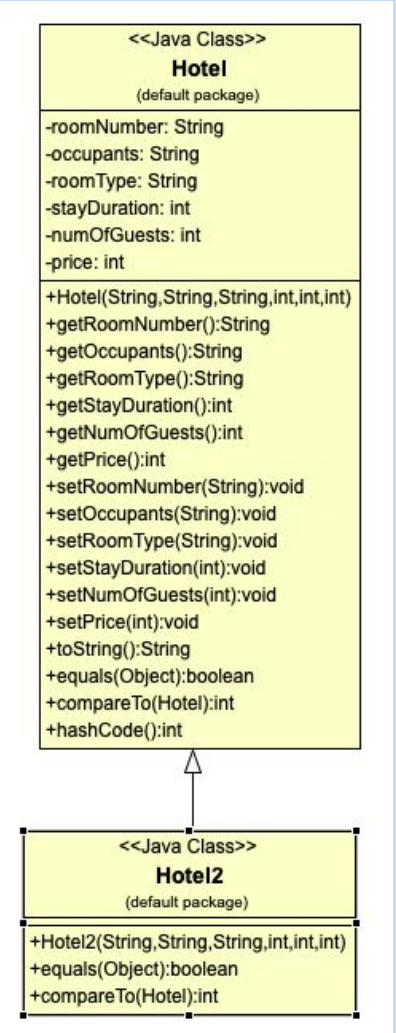
Overview of Data Structures



Hotel Class

Room Number: Unique Key

Occupants: Secondary Key



Database

Screen output class

2 Bst, one that takes in data with room Number and a second that takes in data with occupants.

1 Hash Table that stores hotel data from file

1 List containing occupant hotel data

Several local variables

Walk-Through Results :
Scenarios, Feedback, Errors.

Scenario 1: " Make a Hotel Reservation" :
Scenario 2: "Search for it" :
Scenario 3: "Print Guest Data by Name" :

Feedback from Participant 1:

Good program! Just wished it had GUI.

Feedback from Participant 2:

Nice job! Maybe it could have more variable fields when making reservations (i.e. floor number, location, kids/no kids).

Errors Noted: Just some minor formatting errors

Live Demo...

THANK YOU!