

HOTEL DATABASE MANAGEMENT SYSTEM

Prepared By – Nandini Rathod



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In a nutshell, this shows what we are going to cover today in our presentation of "Hotel Database" Management System". It will be around 10 minutes presentation. We would be more than happy to answer your questions at the end of the presentation!

- 1. Introduction
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The main objective of this project is to create a database management system for a hotel.

We have build this project as a group of two. The group members are:

- 1. Vaibhavi More
- 2. Sweta Gupta
 It was fun working together, overcoming each other's flaws together and learning from each other's strengths in respective areas of Database Design & Management.

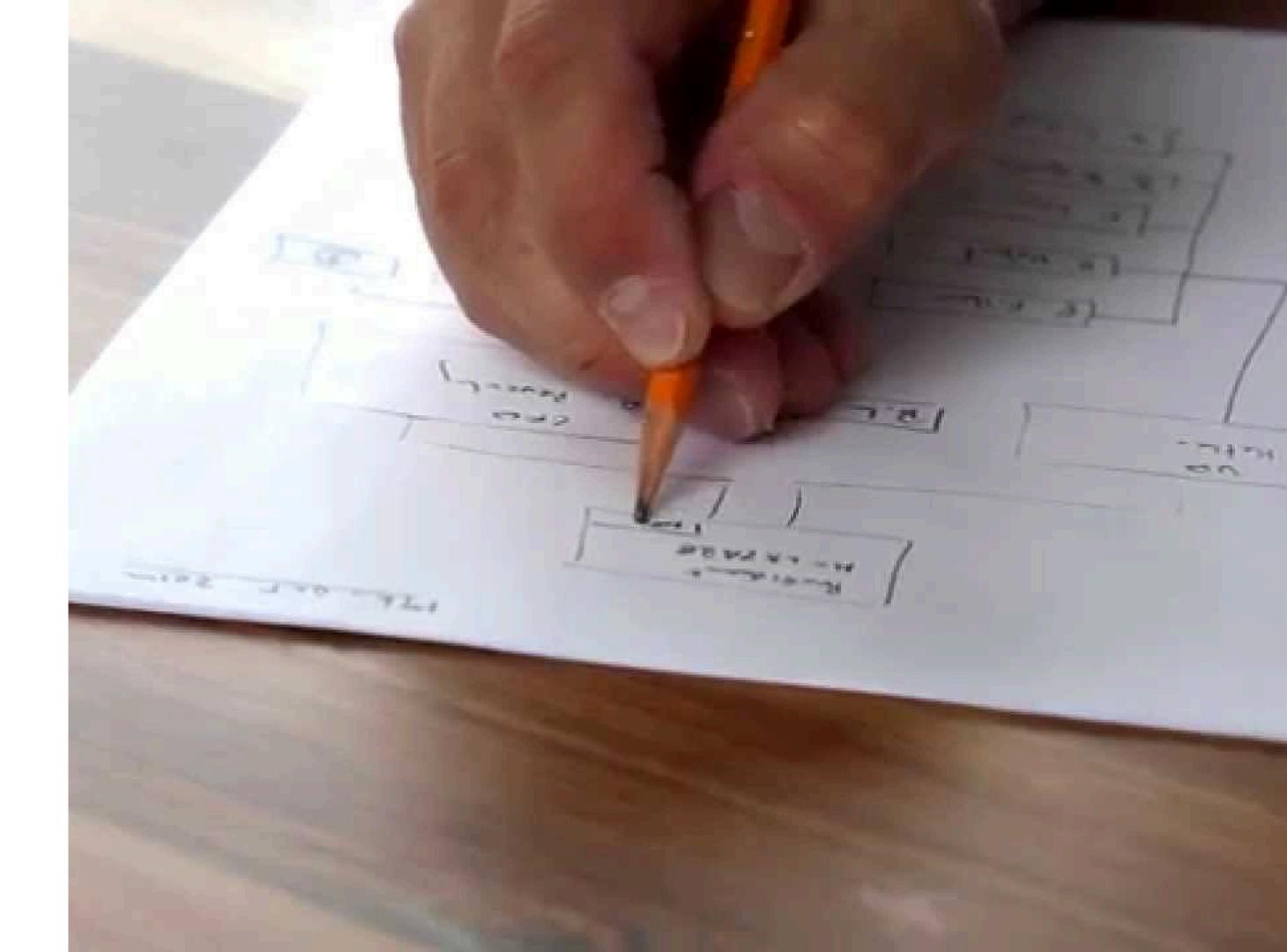


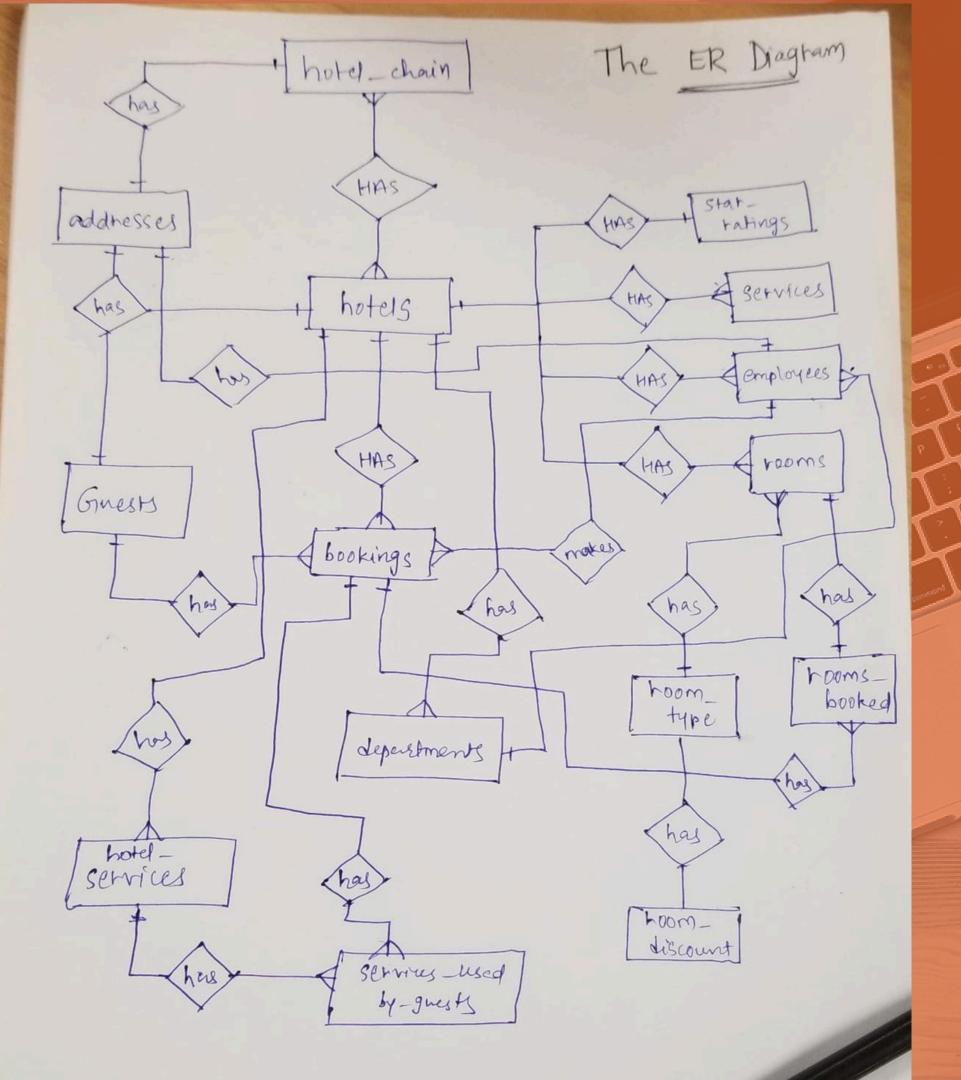
A Hotel consists of a wide areas to manage. We tried to include the main areas for a hotel management system in this project.



Step:1 ERR-Diagram

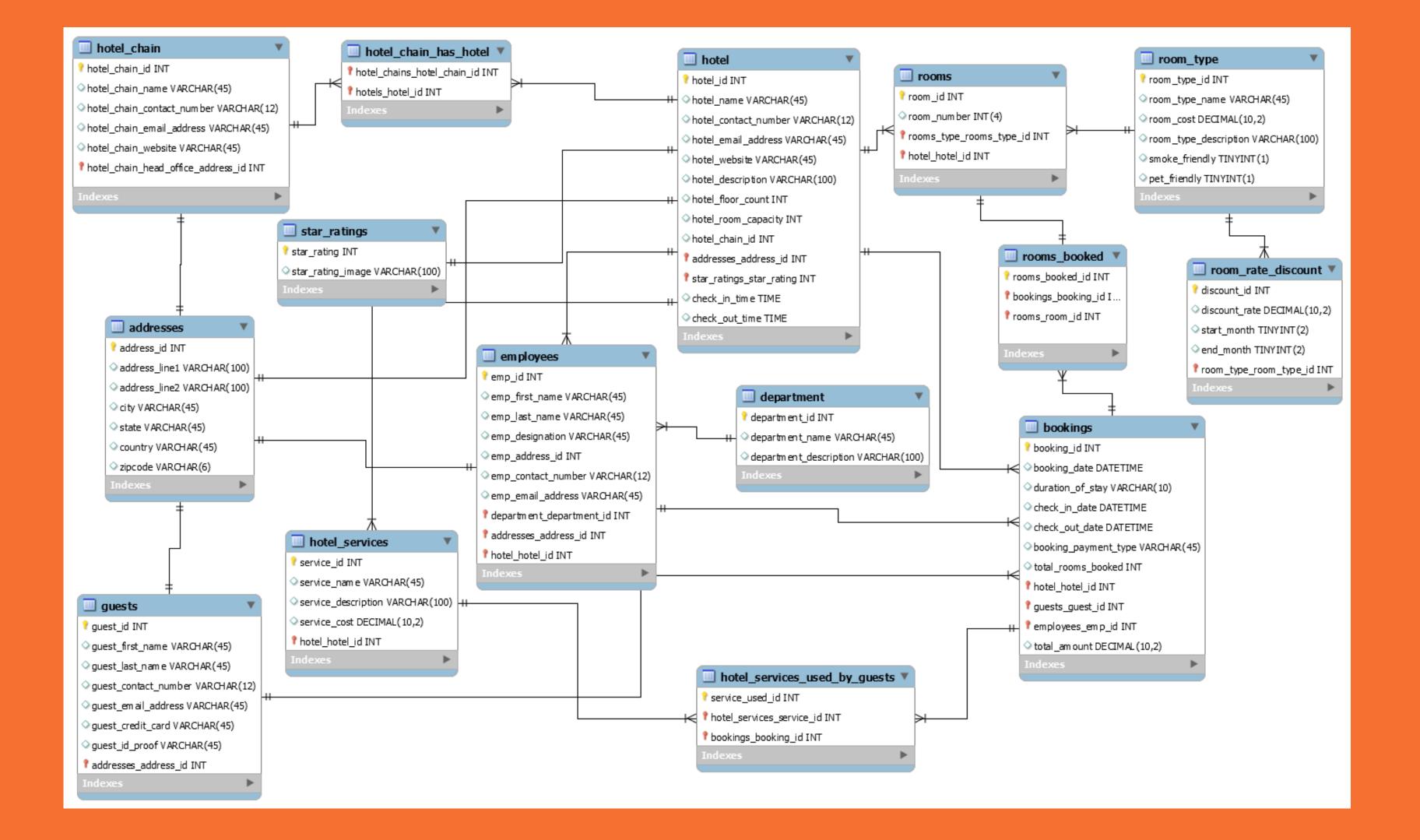
We drew the ERR
diagram on a paper,
noting down all the
tables required





It looks messy, right?

Yeah, we better look at the ERR diagram!



There were indeed a lot of tables to design and a lot of relationships to manage..

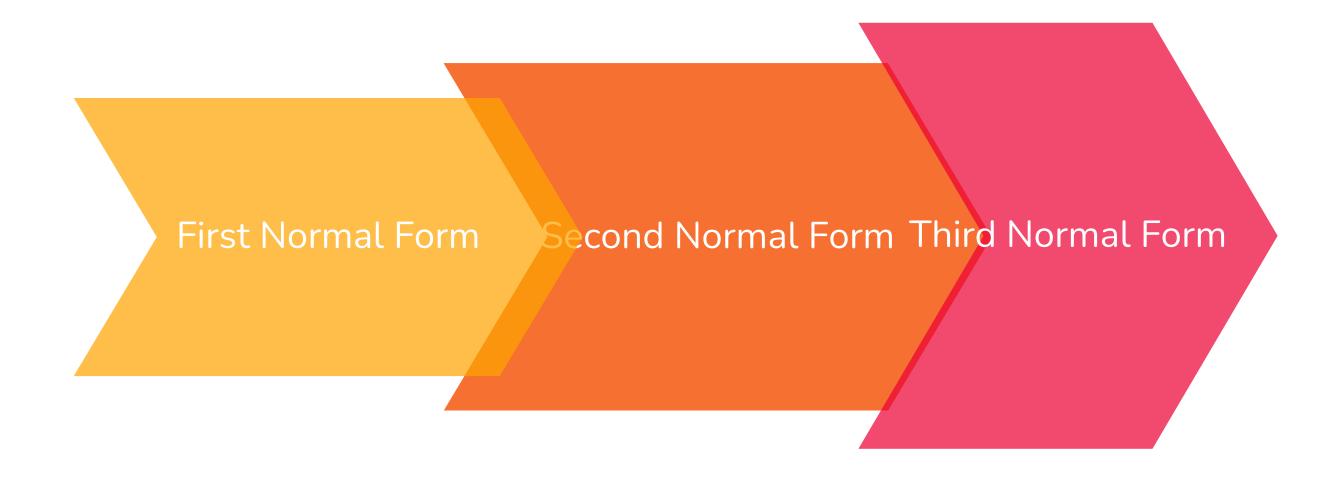
Relationships..

A tricky business, eh?

Normalization Process

We achieved the first normal form by keeping the data scalar.
Coming to the second normal form, we tried to make the relationships depend on the primary key.

On the third normal for, we made sure that all the dependencies are only on the primary key of the tables.



And the came our favourite part... Writing queires was fun 🛮 We also made two views and two triggers.

QUERIES

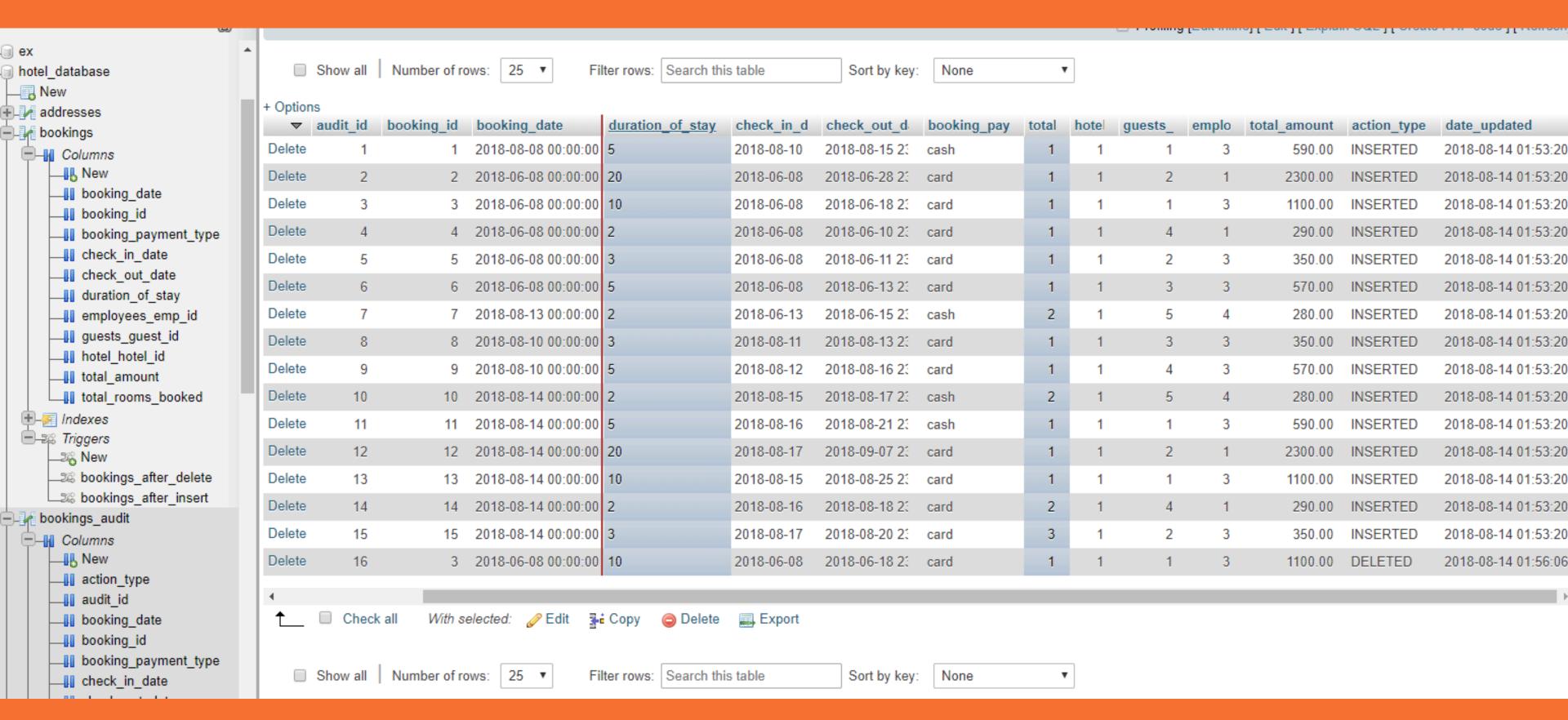
To execute the required tasks and fetch the data from one or more tables.

VIEWS

To view the details of employees along with their departments and also the details of the guests.

TRIGGERS

To create a Booking Audit table and store information about insert and delete bookings records.





Challenges Faced

We faced most of the challenges in creating relationships among tables.

We need to make sure that all the relationships created among tables are logical and follow the normalization rules.

The most challenging part was creating the booking and the rooms table and its relationships with other respective tables.

A successful DBA
makes the data
easy to access
and
hard to lose!



That's it! Thank you very much for your time!

If you have any questions regarding the presentation, please feel free to ask us!

We will be more than happy to answer you [

