



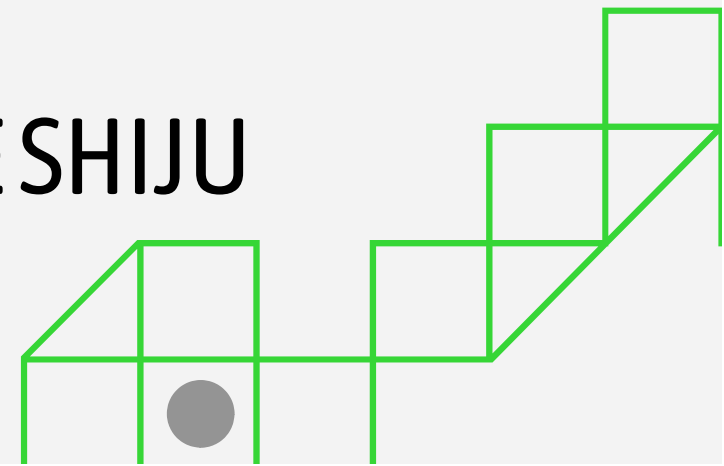
DATABASE MANAGEMENT PROJECT ON HOTEL MANAGEMENT

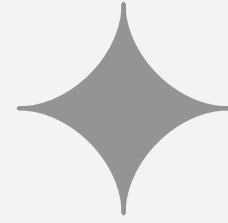
5.ABHINAV REJI

7.ABIN JACOB

18.ALDRIN VARGHESE SHIJU

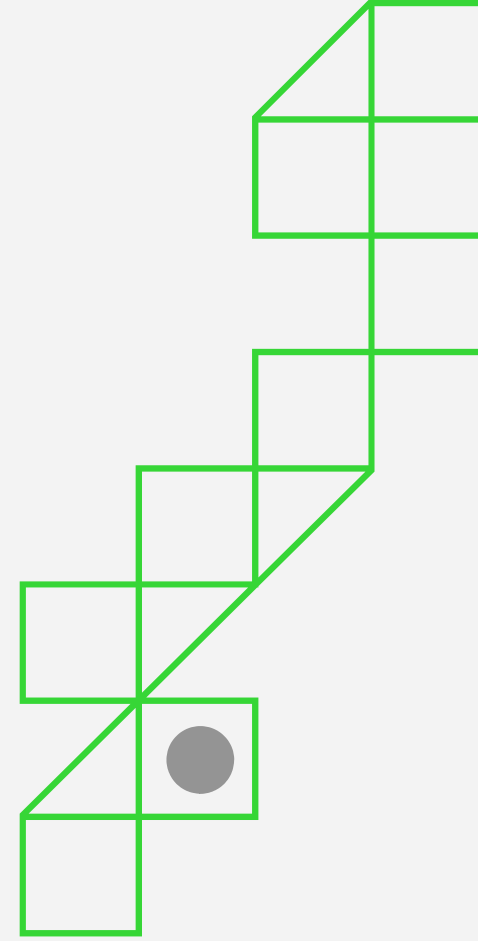
51.BASIL JIBY

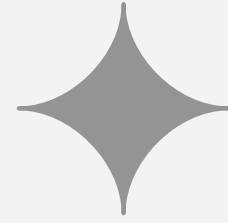




Introduction to Database Management

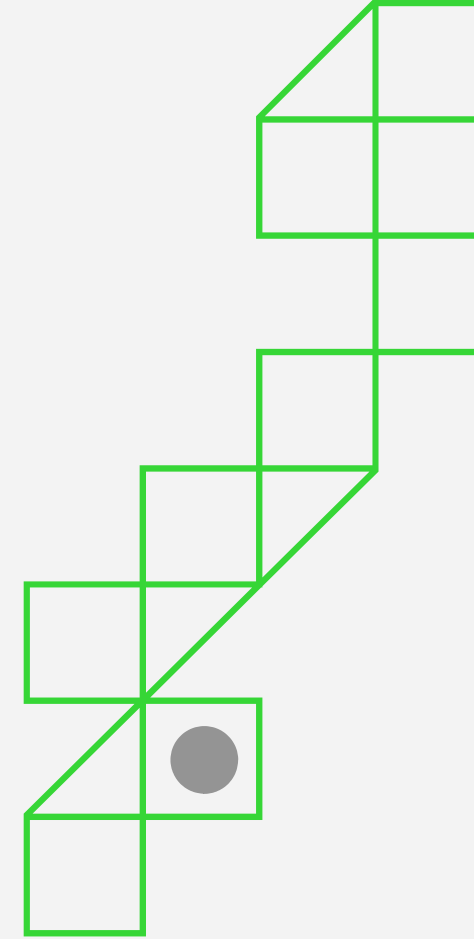
Database Management is crucial for optimizing hotel operations. It enables efficient handling of **reservations**, **guest information**. This presentation will explore the role of a comprehensive database in enhancing service quality and operational efficiency in the hospitality industry.

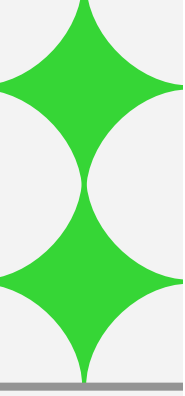




Current Challenges in Hotel Operations

Hotels face numerous **challenges** such as **overbooking**, inefficient **staff allocation**, and poor **data management**. These issues can lead to decreased guest satisfaction and revenue loss. Identifying these challenges is the first step towards effective solutions through database management.





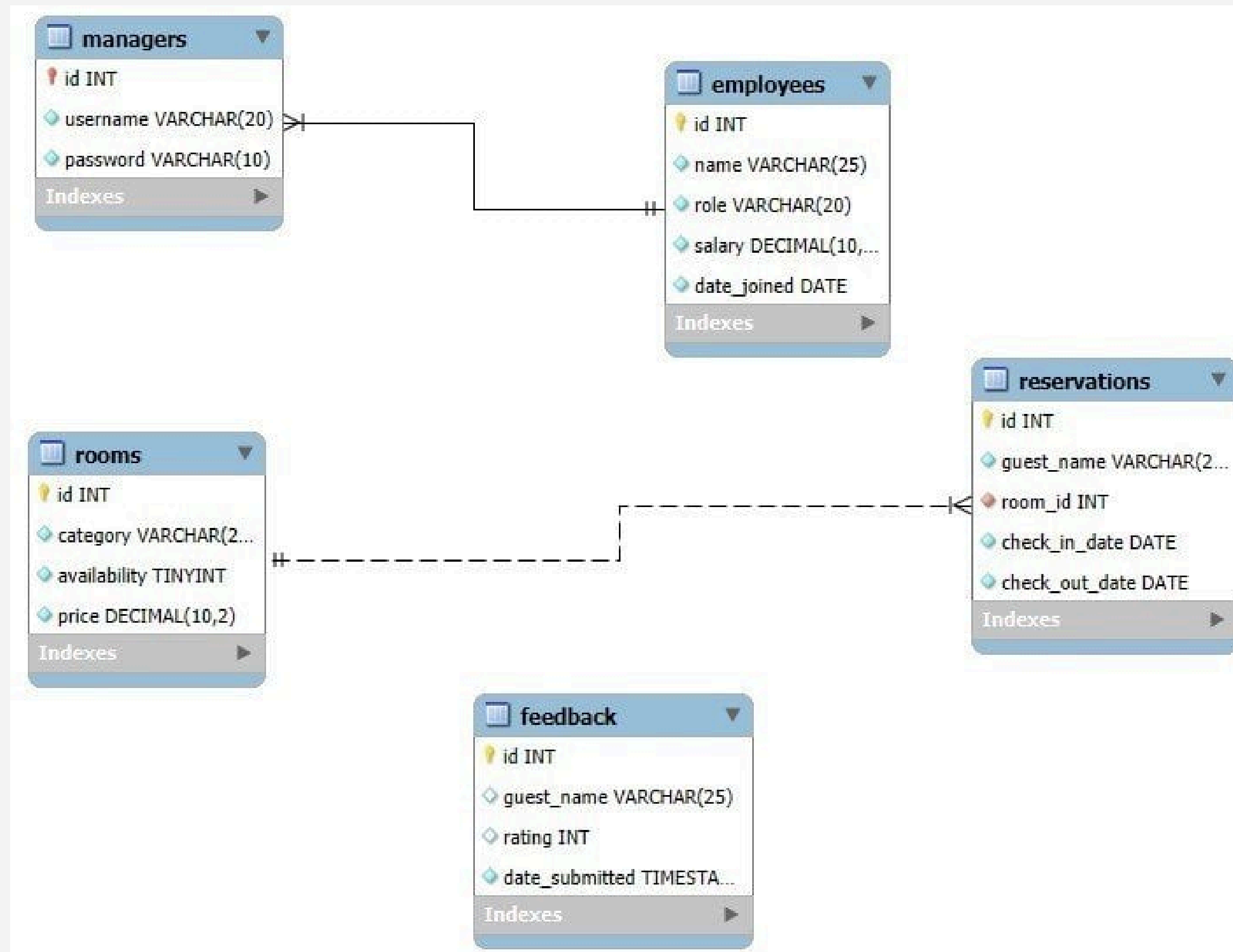
LANGUAGES USED

- HTML
- CSS
- JAVASCRIPT
- SQL

HOST

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ER DIAGRAM



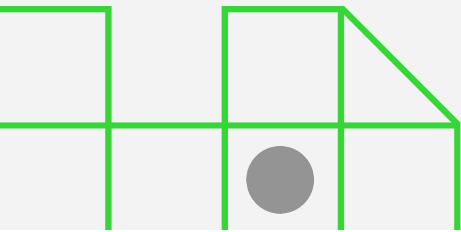
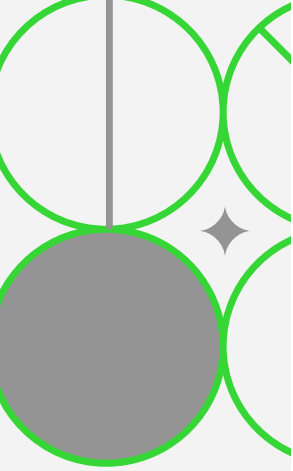
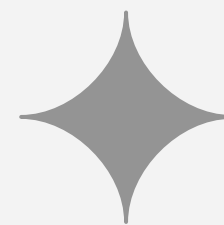
TABLES

*CREATE TABLE Rooms (id INT AUTO_INCREMENT PRIMARY KEY,
category VARCHAR(20) NOT NULL, price DECIMAL(10, 2) NOT NULL,
availability BOOLEAN NOT NULL DEFAULT TRUE);*

*CREATE TABLE Managers (id INT PRIMARY KEY, username
VARCHAR(20) NOT NULL UNIQUE, password VARCHAR(10) NOT
NULL, FOREIGN KEY (id) REFERENCES Employees(id) ON DELETE
CASCADE);*

*CREATE TABLE Reservations (id INT AUTO_INCREMENT PRIMARY KEY,
room_id INT NOT NULL, check_in_date DATE NOT NULL,
check_out_date DATE NOT NULL, guest_name VARCHAR(25), FOREIGN
KEY (room_id) REFERENCES Rooms(id) ON DELETE CASCADE);*

*CREATE TABLE Employees (id INT AUTO_INCREMENT PRIMARY KEY,
name VARCHAR(25) NOT NULL, role VARCHAR(20) NOT NULL, salary
DECIMAL(10, 2) NOT NULL, date_joined DATE NOT NULL);*



WEBPAGE



Hotel Management System

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Welcome to Our Hotel Management System

Select Mode:

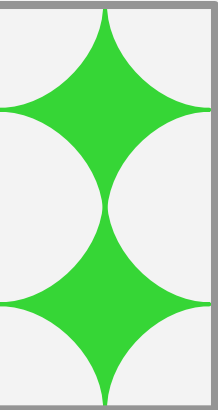
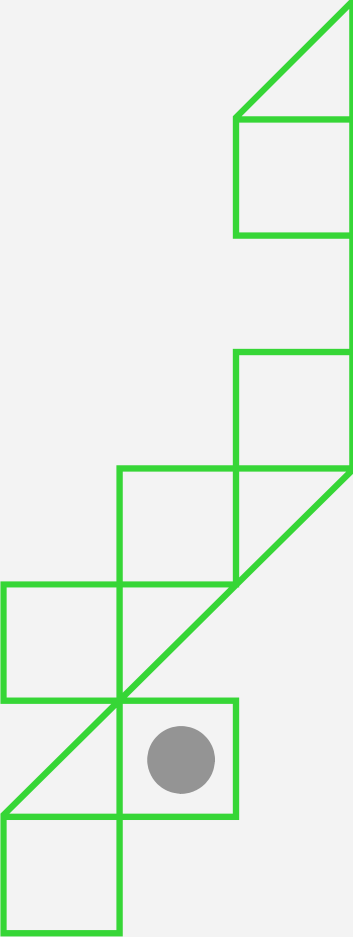
Manager Mode

Reservation Mode

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Room Reservation

Make a Reservation

Room Type:

Single Room ▾

Check-in Date:

dd - mm - yyyy 📅

Check-out Date:

dd - mm - yyyy 📅

Guest Name:

Check Availability and Book

Home

Manager Login

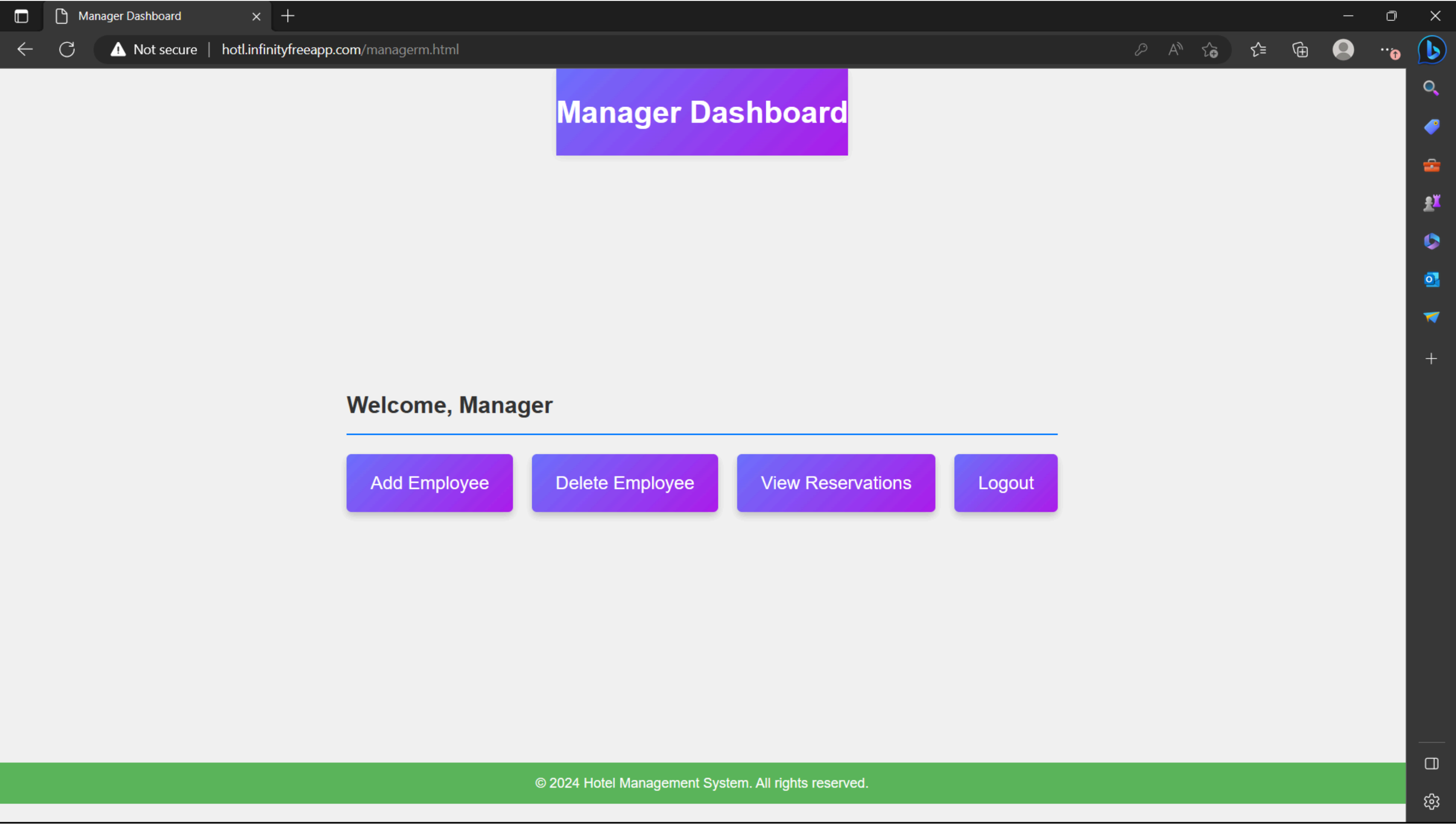
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Manager Login

username:

password:

Login



Add New Employee

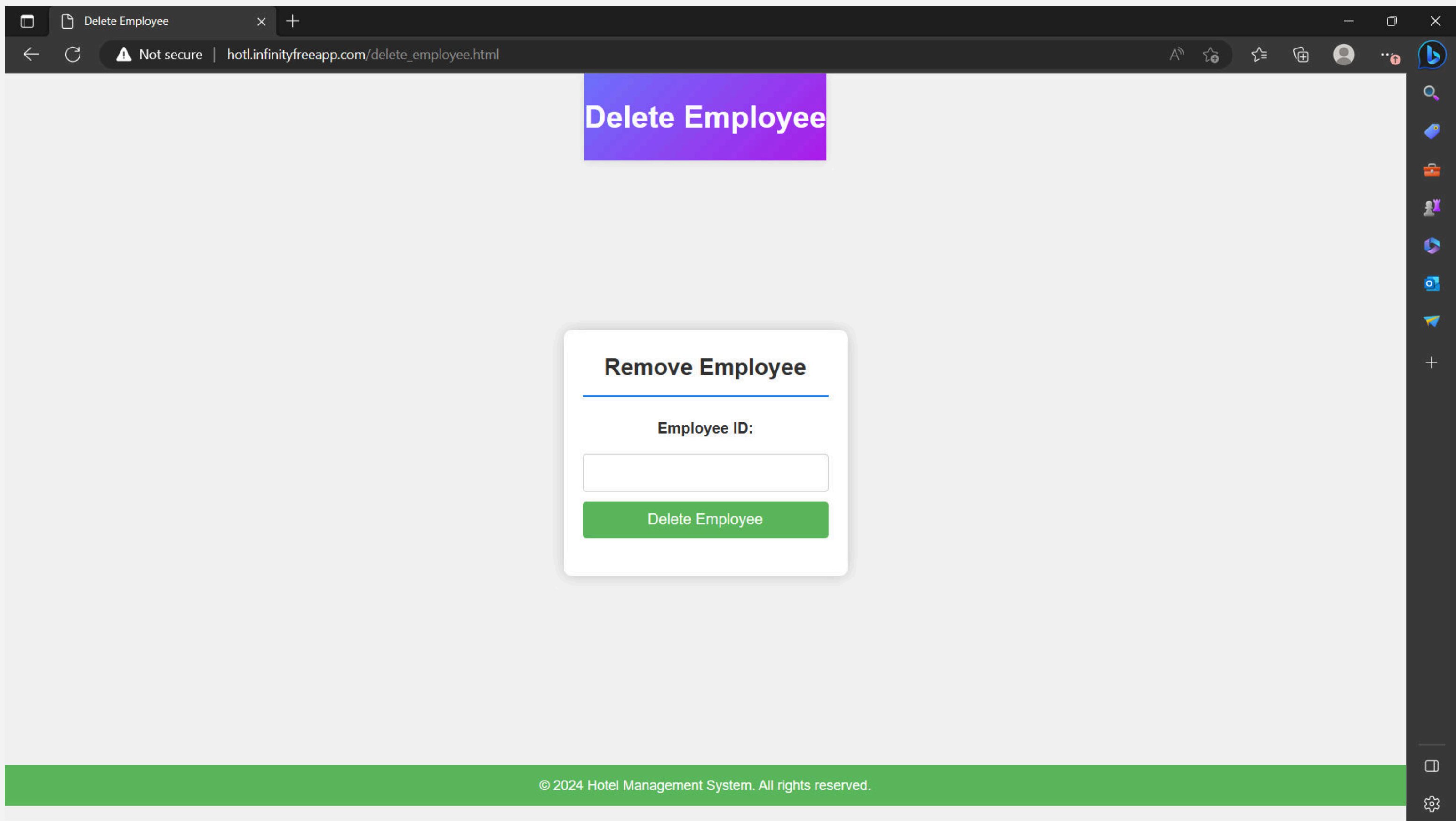
Employee Name:

Role:

Salary:

Add Employee

Back to Dashboard



Delete Employee

Remove Employee

Employee ID:

Delete Employee

View Reservations

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View Reservations

Room Category	Check-in Date	Check-out Date	Guest Name
Deluxe Room	2024-11-05	2024-11-07	james
Deluxe Room	2024-11-05	2024-11-07	ann
Deluxe Room	2024-11-05	2024-11-07	Alexander
Single Room	2024-11-05	2024-11-07	Abhinav
Single Room	2024-11-05	2024-11-07	Basil

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Thanks!

