

Hotel Management System

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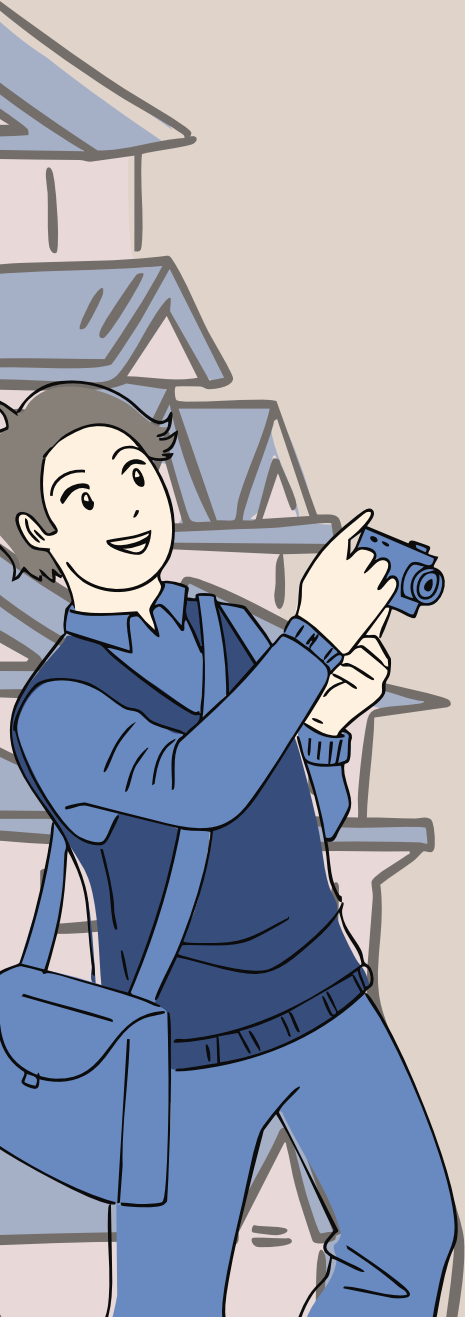
Course: Database Development with PL/SQL (INSY 8311)

Lecturer: Eric Maniraguha

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Problem Statement:

Imagine checking into a hotel after a long journey, only to find your reservation missing, your room double-booked, or payments taking ages to process! 😞 Many hotels still rely on outdated, manual systems, leading to long waits, billing mistakes, and frustrated guests. Our PL/SQL-based Hotel Management System is here to change that! 🚀 By automating reservations, check-ins, payments, and service management, we create a seamless, hassle-free experience for both guests and staff—ensuring speed, accuracy, and top-notch hospitality! 🏨



Exciting Features & Smart Database Design 🎯

What makes our system awesome?

- 📅 Effortless Bookings – No more overbooking headaches!
- 🔔 One-Tap Check-In & Check-Out – Speed up hotel services.
- 💳 Secure Payments – Say goodbye to billing errors.
- 👤 Efficient Staff Management – Track roles & responsibilities easily.
- 📊 Real-Time Insights – Get instant reports on hotel performance!

How the system is structured:

- 🏠 Guests – Who's staying at the hotel?
- 🏠 Rooms – What's available & what's booked?
- 📅 Bookings – Manage reservations without errors.
- 💰 Payments – Track transactions securely.
- 👤 Staff – Keep hotel operations running smoothly.

Seamless Relationships:

Guests can book multiple rooms.
Payments link directly to bookings.
Room availability updates in real-time!



Why this system is a win:

- ⚡ Lightning-Fast Hotel Operations – No more waiting around!
- 🎯 Zero Booking Errors – A smooth experience for every guest.
- 🏆 VIP-Level Guest Satisfaction – A stress-free, enjoyable stay.
- 💰 Accurate Revenue Tracking – Every payment recorded properly.

Next Big Steps:

- 🏗️ Build the Database – Lay the foundation.
- 📝 Write Smart PL/SQL Code – Automate processes.
- 🔧 Test & Improve – Make sure it's flawless!

