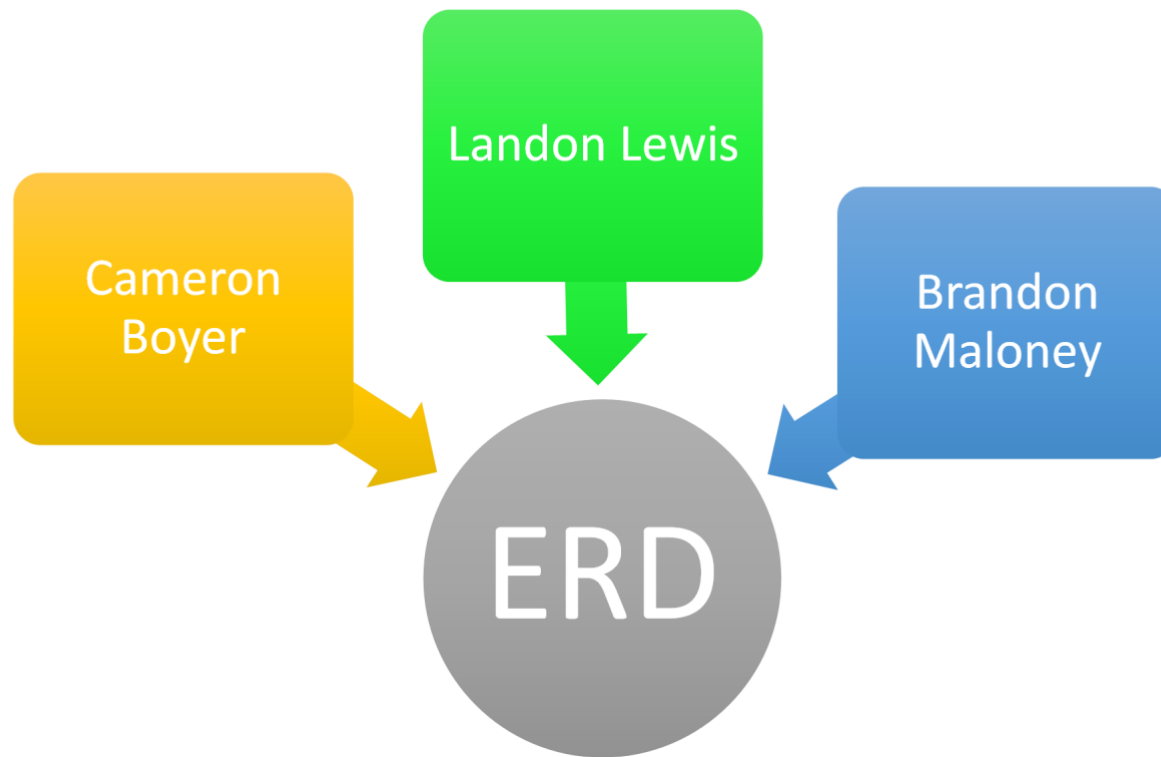


Essential's QAP 4

ENTITY RELATIONSHIP DIAGRAM



SD14

Instructor: Dr. Malik

Date: 2025 March 17th – March 28th

Customer
Customer_id - PK
CustomerName
MailingAddress
CustomerPhone
CCNumber/Exp
Booking_id - FK

Room Status
RoomStatus_id - PK
RoomNumber
Customer_id - FK
CheckInDate
CheckOutDate
Booking_id - FK
Extras_id - FK

Bookings
Booking_id - PK
CheckInDate
CheckOutDate
Customer_id - FK

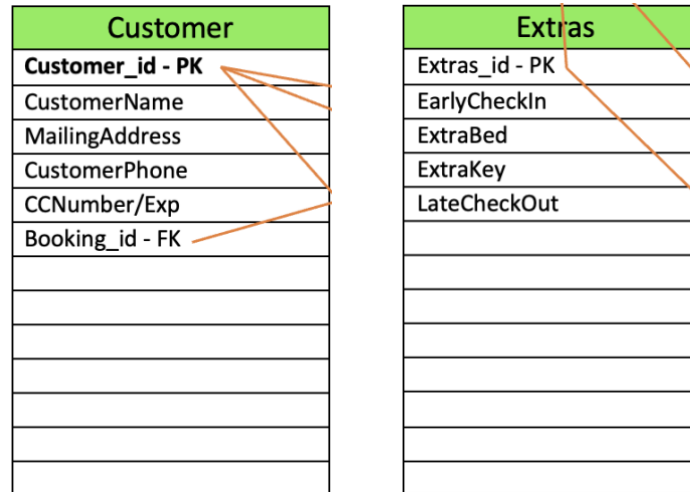
Supplies
Supplies_id - PK
Cleaning
Office
RoomTowels
FaceClothes
Coffee/Snack

Extras
Extras_id - PK
EarlyCheckIn
ExtraBed
ExtraKey
LateCheckOut

Revenue
Revenue_id - PK
InvoiceNumber
InvoiceDate
Customer_id - FK
PaymentMethod
RoomCharge
Extras_id - FK
Subtotal
Taxes
Total

Defaults (STDef.dat)
InvoiceNumber
RoomRate
HST
EarlyCheckInRate
ExtraBedRate
ExtraKeyRate
LateCheckOutRate
Description: InvoiceNumber 1856 RoomRate \$75.00 HST 15% EarlyCheckInRate \$12.00 ExtraBedRate \$7.00 per night ExtraKeyRate \$2.00 LateCheckOutRate \$12.00

Summary of Tables Added



Customer Table:

We added the Customer table to reference customer information to the Room Status, Bookings, and Revenue tables. Customer information is important for tracking guests (Returning or New), allowing the motel to know who is checked in at any given time. It also ensures the ability to contact guests if needed. As well as provides access to the guest billing details for dealing with any charges or payments.

Extras Table:

We added the Extras table to reference to the Room Status to show the employees what extras are needed/being used in that room, also to the Revenue table to access extras information needed to charge the customer.