Keyin College

Software Development, Cohort 11

Winter 2024

QAP 4

Project 3 – Entity Relationship Diagram

Group 22

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Defaults

Defaults
InvoiceNumber
PRICE_ROOM = 75.00
RATE_HST = 0.15
PRICE_CHECKIN_EARLY = 12.00
PRICE_EXTRA_BED = 7.00
PRICE_EXTRA_KEY = 2.00
PRICE_CHECKOUT_LATE = 12.00
PRICE_COFFEE
PRICE_CHOCOLATE
PRICE_CHIPS
PRICE_GUM
PRICE_SODA
MIN_STOCK_CLEANING
MIN_STOCK_OFFICE
MIN_STOCK_COFFEE
MIN_STOCK_CHOCOLATE
MIN_STOCK_CHIPS
MIN_STOCK_GUM
MIN_STOCK_SODA

Room Status

Room Status
RoomNumber – PK
CustomerFName
CustomerLName
CustomerStAdd
CustomerCity
CustomerProv
CustomerPostal
CustomerPhone
CustomerCreditCardNum
CustomerCreditExpiry
CheckInDate
CheckOutDate
HasEarlyCheckIn
HasExtraBed
HasExtraKey
HasLateCheckout
CustomerID – FK

Supplies

Supplies
CleaningSupplies
OfficeSupplies
ExtraTowels
ExtraFacecloths
CoffeeSupplies
ChocolateStock
ChipsStock
GumStock
SodaStock

Refreshments

Refreshments
CoffeeSold
ChocolateBarsSold
ChipsSold
GumSold
SodaSold
CoffeeRevenue
ChocolateRevenue
ChipsRevenue
GumRevenue
SodaRevenue

Customer Information

Customer Information
CustomerID – PK
CustomerFName
CustomerLName
CustomerStAdd
CustomerCity
CustomerProv
CustomerPostal
CustomerPhone
CustomerCreditCardNum
CustomerCreditExpiry
HasBooking
BookingID – FK
AccountBalance

Bookings

Bookings
BookingID – PK
RoomNumber – FK
CustomerID – FK
CustomerFName
CustomerLName
CustomerPhone
CheckInDate
CheckOutDate
BookingMethod

Revenue

Revenue
InvoiceID – PK
BookingID – FK
DateInvoice
CustomerFName
CustomerLName
PaymentMethod
CostRoom
CostEarlyCheckIn
CostExtraBed
CostExtraKey
CostLateCheckOut
CostExtras
CostSubtotal
CostHST
CostTotal

Customer Table: Allows for customer information to be stored to process multiple or later bookings. Organizing customer-related data by customer is important for generating customer account info and keeping track of clientele. It could also allow the company to expand their system later to include things like loyalty points and promotional emails.

Refreshments: Allows the hotel to track revenue and sales for refreshments (coffee and snacks) sold at the front reception. By tracking revenue from refreshments, the hotel can better track their finances. By tracking sales, the hotel can perform inventory control tasks for their refreshment supplies.