

"Hotel Management System ERD"

Relationship description

One-to-Many (1:N)

roles users: One role assigned to many users  
branches rooms: One branch has many staff members  
branches rooms: One branch has many rooms  
branches reservations: One branch handles many reservations  
room\_types rooms: One room type defines many rooms  
rooms reservations: One room has many reservations (over time)  
rooms housekeeping\_tasks: One room has many cleaning tasks  
guests reservations: One guest makes many reservations  
reservations invoices: One reservation generates one invoice  
invoices payments: One invoice can have multiple payments (partial payments)  
users reservations: One staff member creates many reservations  
users payments: One staff member processes many payments  
users housekeeping\_tasks: One staff member assigned many tasks

Many-to-Many (M:N)

reservations services: Guests can order multiple services; Each service can be ordered by multiple reservation

