

CMPSC 431 Assignment 1

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Create at least 5 tables (must include *DEPARTMENT*, *EMPLOYEE*, *SHIFT*)

DEPARTMENT(DepartmentID, Name, OfficeAddress, DepartmentHead, OfficePhone)

EMPLOYEE(EmployeeID, Name, Phone, Email, Address, SSN, Position)

AFFILIATION(EmployeeID, DepartmentID)

ROOM(RoomNumber, Floor, RoomType, Available, RoomPhone)

SHIFT(ShiftID, Date, StartTime, EndTime, *EmployeeID*, *RoomNumber*)

PATIENT(PatientID, Name, Phone, Email, Address, SSN, InsuranceNumber)

APPOINTMENT(AppointmentID, Date, StartTime, EndTime, Description, *EmployeeID*, *PatientID*, *RoomNumber*)

DEPARTMENT				
Column Name	Data Type	Key	Required	Remarks
DepartmentID	INT	Primary Key	Yes	Auto Increment
Name	VARCHAR(100)		Yes	
OfficeAddress	VARCHAR(100)		Yes	
DepartmentHead	VARCHAR(100)		Yes	
OfficePhone	VARCHAR(20)		Yes	

EMPLOYEE				
Column Name	Data Type	Key	Required	Remarks
EmployeeID	INT	Primary Key	Yes	Auto Increment
Name	VARCHAR(100)		Yes	
Phone	VARCHAR(20)		Yes	
Email	VARCHAR(20)		Yes	
Address	VARCHAR(100)		Yes	
SSN	VARCHAR(20)		Yes	
Position	VARCHAR(20)		Yes	

AFFILIATION				
Column Name	Data Type	Key	Required	Remarks
EmployeeID	INT	Primary, Foreign key	Yes	References EMPLOYEE (EmployeeID)
DepartmentID	INT		Yes	

ROOM				
Column Name	Data Type	Key	Required	Remarks
RoomNumber	INT	Primary Key	Yes	
Floor	INT		Yes	
RoomType	CHAR(20)		Yes	
Available	BOOLEAN		Yes	
RoomPhone	VARCHAR(20)		Yes	

SHIFT				
Column Name	Data Type	Key	Required	Remarks
ShiftID	INT	Primary Key	Yes	Auto Increment
Date	DATE		Yes	
StartTime	TIME		Yes	
EndTime	TIME		Yes	
EmployeeID	INT		Yes	
		Foreign Key		References EMPLOYEE (EmployeeID)
RoomNumber	INT	Foreign Key	Yes	References ROOM (RoomNumber)

PATIENT				
Column Name	Data Type	Key	Required	Remarks
PatientID	INT	Primary Key	Yes	Auto Increment
Name	VARCHAR(100)		Yes	
Phone	VARCHAR(20)		Yes	
Email	VARCHAR(20)		Yes	
Address	VARCHAR(100)		Yes	
SSN	VARCHAR(20)		Yes	
InsuranceNumber	VARCHAR(20)		Yes	

APPOINTMENT				
Column Name	Data Type	Key	Required	Remarks
AppointmentID	INT	Primary Key	Yes	Auto Increment
Date	DATE		Yes	
StartTime	TIME		Yes	
EndTime	TIME		Yes	
Description	TEXT		Yes	
EmployeeID	INT		Yes	
		Foreign Key		References EMPLOYEE (EmployeeID)
PatientID	INT	Foreign Key	Yes	References PATIENT (PatientID)
RoomNumber	INT	Foreign Key	Yes	References ROOM (RoomNumber)