

Database model documentation

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1. Model details

Model name:

MySQL demo physical data model

Version:

2.4

Database engine:

Oracle Database

Description:

2. Tables

2.1. Table Patient

2.1.1. Columns

Column name	Type	Properties	Description
patient_id	varchar(10)	PK	
name	varchar(50)		
birth_date	date	null	
gender	varchar(6)		
city	varchar(50)	null	
phone	varchar(15)	null	

2.2. Table Doctor

2.2.1. Columns

Column name	Type	Properties	Description
doctor_id	varchar(10)	PK	
name	varchar(50)		
birth_date	date		
gender	varchar(6)		
city	varchar(50)		
specialty	varchar(50)		
phone	Varchar(15)		

2.3. Table Room

2.3.1. Columns

Column name	Type	Properties	Description
room_id	varchar(10)	PK	
room_type	varchar(50)		
status	char(1)		

2.4. Table Treatment

2.4.1. Columns

Column name	Type	Properties	Description
treatment_id	varchar(10)	PK	
patient_id	varchar(10)		
doctor_id	varchar(10)		
room_id	varchar(10)		
survey_date	date		
type	varchar(50)		
cost	int		

2.5. Table Medicine

2.5.1. Columns

Column name	Type	Properties	Description
medicine_id	varchar(20)	PK	
name	varchar(50)		
cost	int		
company	varchar(50)		

2.6. Table Prescription

2.6.1. Columns

Column name	Type	Properties	Description
prescription_id	varchar(10)	PK	
patient_id	varchar(10)		
presreption_date	date		

2.7. Table Medi_Pres

2.7.1. Columns

Column name	Type	Properties	Description
medicine_id	varchar(20)	PK	
prescription_id	varchar(10)	PK	
details	varchar(50)		

quantity	int		
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2.8. Table Bill

2.8.1. Columns

Column name	Type	Properties	Description
bill_id	varchar(10)	PK	
patient_id	varchar(10)		
prescription_id	varchar(10)	null	
treatment_id	varchar(10)	null	
total_cost	integer		

3. References

3.1. Reference Survey_Room

Room	0..*	Treatment
room_id	<->	room_id

3.2. Reference Survey_Patient

Patient	0..*	Treatment
patient_id	<->	patient_id

3.3. Reference Survey_Doctor

Doctor	0..*	Treatment
doctor_id	<->	doctor_id

3.4. Reference Prescription_Patient

Patient	0..*	Prescription
patient_id	<->	patient_id

3.5. Reference Medi_Pres_Medicine

Medicine	0..*	Medi_Pres
medicine_id	<->	medicine_id

3.6. Reference Medi_Pres_Prescription

Prescription	1..*	Medi_Pres
prescription_id	<->	prescription_id

3.7. Reference Bill_Patient

Patient	1..*	Bill
patient_id	<->	patient_id

3.8. Reference Bill_Prescription

Prescription	1..1	Bill
prescription_id	<->	prescription_id

3.9. Reference Bill_Treatment

Treatment	1..1	Bill
treatment_id	<->	treatment_id