
PROJECT

Logical database model documentation

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1. Model details

Model name:

PROJECT

Version:

1.0

Description:

2. Entities

2.1. Entity Patient

2.1.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
patient_id	Varchar(10)	yes	yes	
name	Varchar(50)	yes	no	
birth_date	Date	no	no	
gender	Varchar(6)	yes	no	
city	Varchar(50)	no	no	
phone	Varchar(15)	no	no	

2.2. Entity Doctor

2.2.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
doctor_id	Varchar(10)	yes	yes	
name	Varchar(50)	yes	no	
birth_date	Date	yes	no	
gender	Varchar(6)	yes	no	
city	Varchar(50)	yes	no	
specialty	Varchar(50)	yes	no	
phone	Varchar(15)	yes	no	

2.3. Entity Room

2.3.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
room_id	Varchar(50)	yes	yes	
room_type	Varchar(50)	yes	no	
status	Varchar(1)	yes	no	

2.4. Entity Medicine

2.4.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
medicine_id	Varchar(20)	yes	yes	
name	Varchar(50)	yes	no	
cost	Integer	yes	no	
company	Varchar(50)	yes	no	

2.5. Entity Bill

2.5.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
bill_id	Varchar(10)	yes	yes	
total_cost	Integer	yes	no	

2.6. Entity Treatment

2.6.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
treatment_id	Varchar(10)	yes	yes	
survey_date	Date	yes	no	
type	Varchar(50)	yes	no	
cost	Integer	yes	no	

2.7. Entity Prescription

2.7.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
prescription_id	Varchar(10)	yes	yes	

2.8. Entity Medi_Pres

2.8.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
details	Varchar(50)	yes	no	
quantity	Integer	yes	no	

3. Associations

4. Entity relationships

4.1. Entity relationship Treatment_Doctor

Doctor	1..*	Treatment
doctor_id	<->	doctor_id

4.2. Entity relationship Treatment_Room

Room	1..*	Treatment
room_id	<->	room_id

4.3. Entity relationship Treatment_Patient

Patient	1..*	Treatment
patient_id	<->	patient_id

4.4. Entity relationship Bill_Patient

Patient	1..*	Bill
patient_id	<->	patient_id

4.5. Entity relationship Medi_Pres_Medicine

Medicine	1..*	Medi_Pres
medicine_id	<->	medicine_id

4.6. Entity relationship Medi_Pres_Prescription

Prescription	1..*	Medi_Pres
prescription_id	<->	prescription_id

4.7. Entity relationship Prescription_Patient

Patient	1..*	Prescription
patient_id	<->	patient_id

4.8. Entity relationship Bill_Prescription

Prescription	1..1	Bill
	<->	

4.9. Entity relationship Bill_Treatment

Treatment	1..1	Bill
	<->	

5. Association relationships

6. Areas

7. Notes