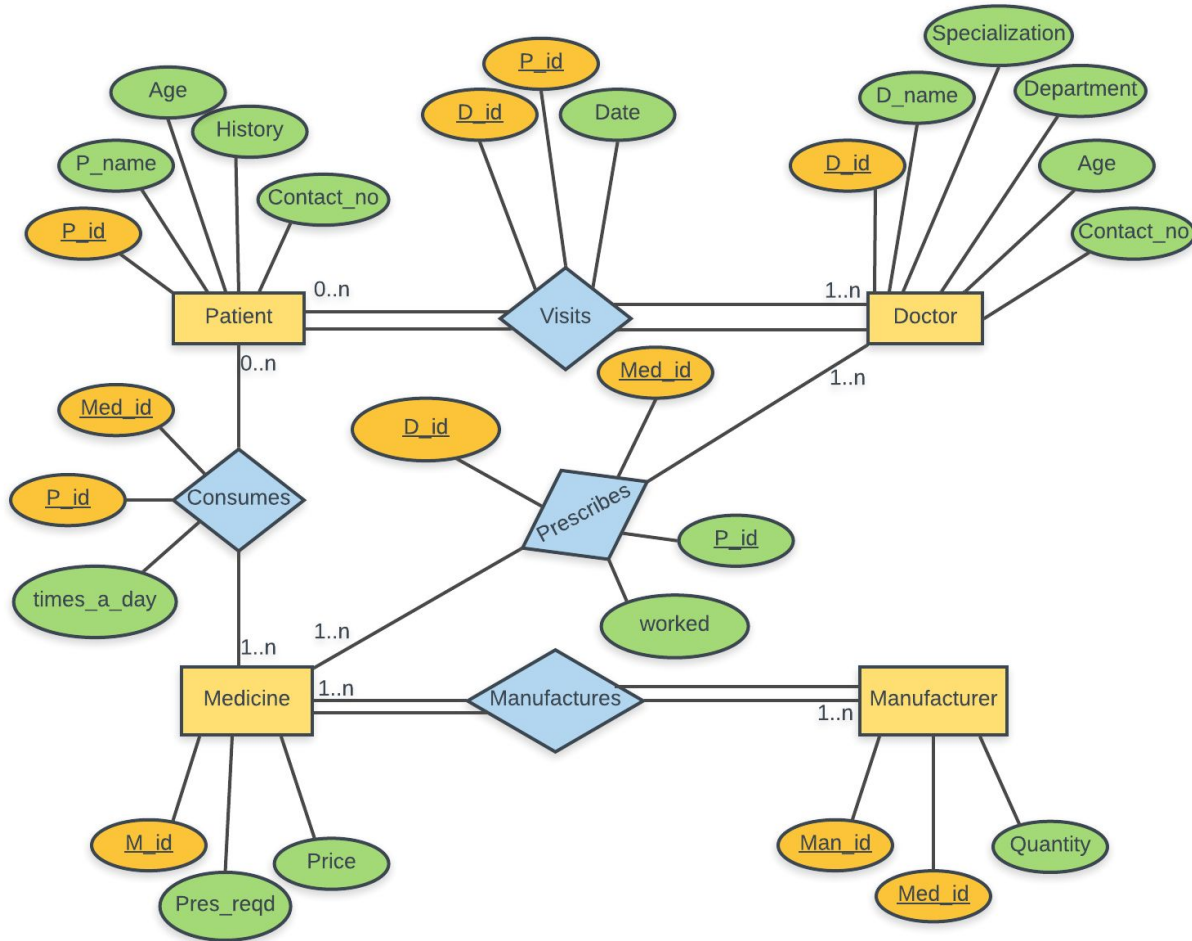


ER Diagram



Relational Schema

Doctor (D_id, D_name, Age, Department, Specialization, Contact_no)

Patient (P_id, P_name, Age, History, Contact_no)

Medicine (M_id, Pres_reqd, Price)

Manufacturer (Man_id, Med_id, Quantity)

Visits (P_id, D_id, Date)

Consumes (P_id, Med_id, times_a_day)

Prescribes (D_id, Med_id, P_id, worked)

Functional Dependency

Relation	Functional Dependencies
Doctor	$D_id \rightarrow D_name, Age, Department, Specialization, Contact_no$
Patient	$P_id \rightarrow P_name, Age, History, Contact_no$
Medicine	$M_id \rightarrow Pres_reqd, Price$
Manufacturer	$Man_id, Med_id \rightarrow Quantity$
Visits	$P_id, D_id \rightarrow Date$
Consumes	$P_id, Med_id \rightarrow times_a_day$
Prescribes	$D_id, Med_id, P_id \rightarrow worked$

Both 2NF and 3NF are implemented in the schema.

Query 10	
Query10	
P_name	
Abhimanyu Lakra	
Isha Goel	
Sarthak Negi	
Shloak Aggarwal	
Ajeet Kumar	
Amogh Gulati	
Shloak Aggarwal	
Akash Singh	
Amogh Gulati	
Manasvi Sharma	
Rohan Rajpal	
Madhav Sainanee	

Query 3		
Query3		
P_id	D_id	Data
123	1006	2018-04-15
108	1008	2018-04-15
112	1010	2018-04-15
116	1012	2018-04-15

Query 5	
Query5	
M_id	
1000	
1002	
1004	
1011	
1012	
1014	
1017	