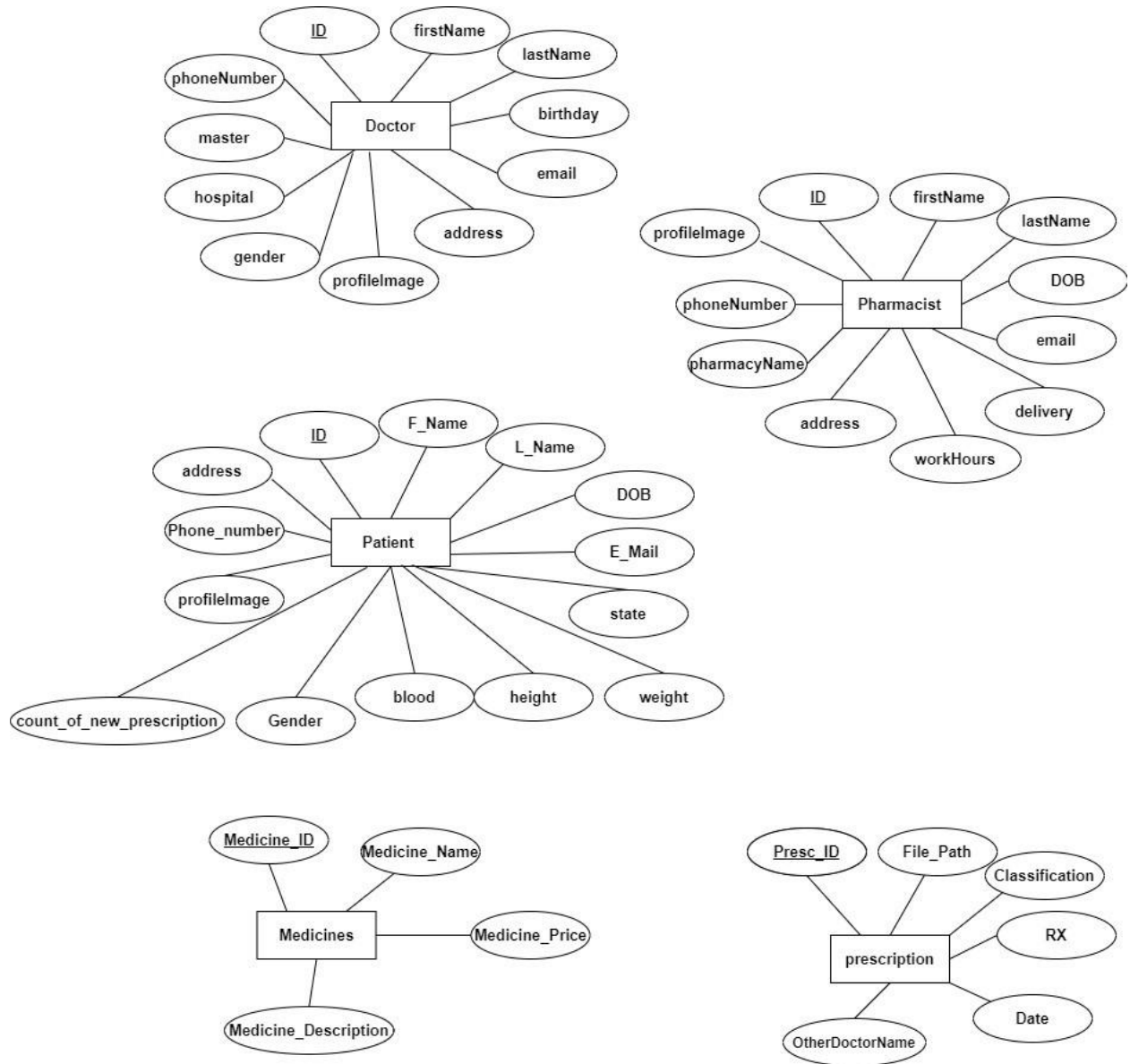
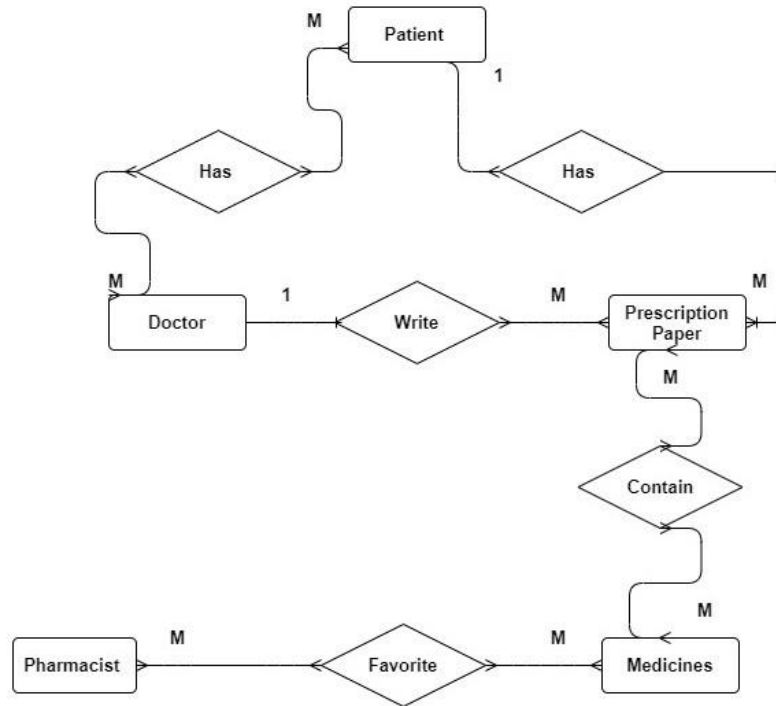


Medical Prescription Handling Using AI Techniques

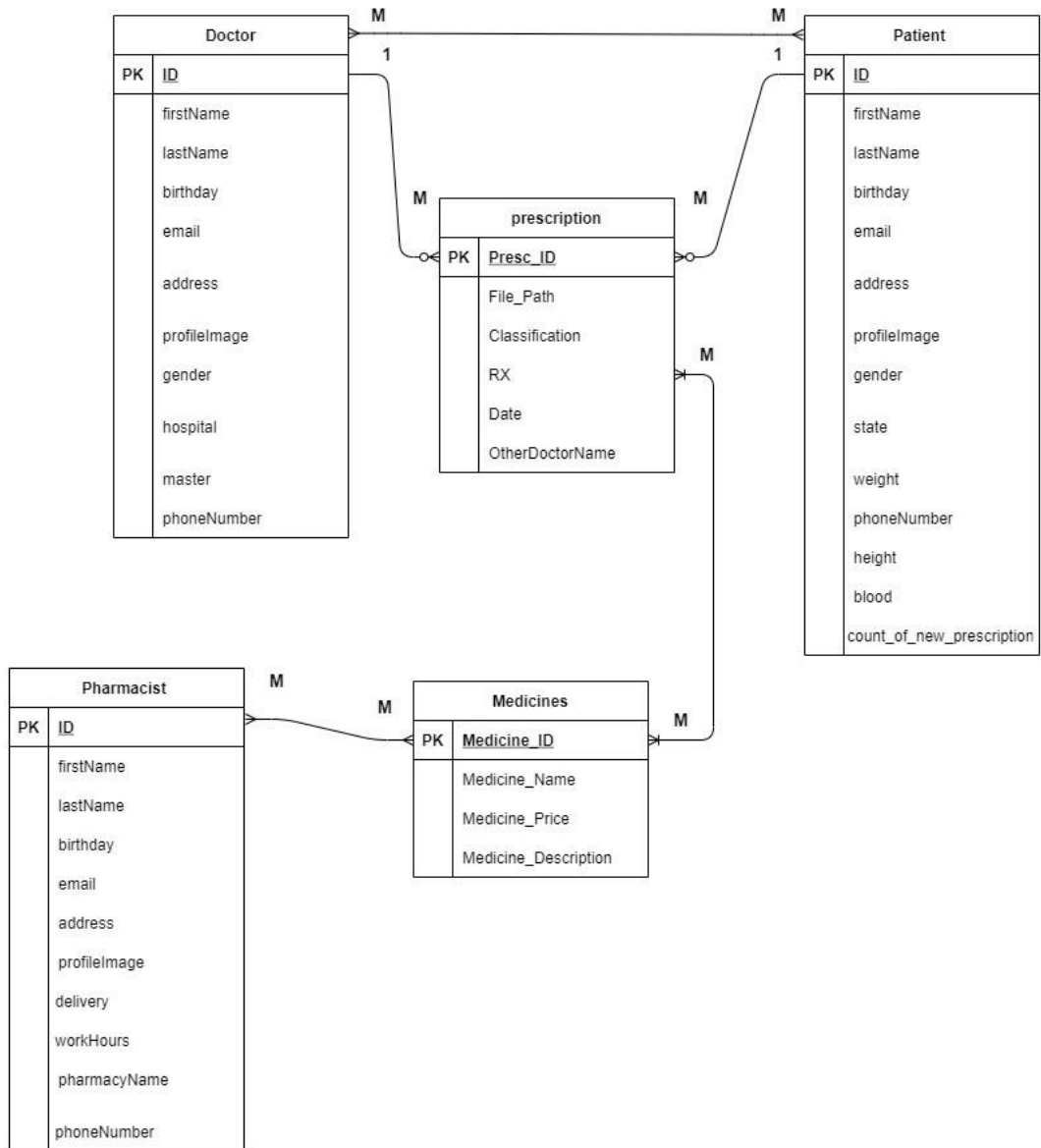
Entities



Relationship



ERD



Relational Schema

Doctor

<u>ID</u>	firstName	lastName	birthday	email	phoneNumber	master	address	profileImage	gender	hospital
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Doctor_Patient

<u>Doctor_ID</u>	<u>patient_id</u>
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Patient

ID	F_Name	L_Name	DOB	Email	Phone_Number	Gender	profileImage	blood	address	state	height	weight	count_of_new_prescription
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Prescription

<u>Presc_ID</u>	File_Path	Classification	RX	Date	OtherDoctorName	doctor_prescription_ID	patient_prescription_ID
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medicine_prescription

<u>Medicine_ID</u>	<u>prescription_id</u>
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Medicines

<u>Medicine_ID</u>	Medicine_Name	Medicine_Price	Medicine_Description
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pharmacist_medicines

<u>Medicine_ID</u>	<u>Pharmacist_ID</u>
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Pharmacist

<u>SSN</u>	firstName	lastName	DOB	Email	Phone_Number	Pharmacy_Name	address	workHours	delivery	profileImage
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Data dictionary

1. Doctor

Table name	Doctor
Purpose	Saving Doctor data
No of rows	11

Field	Type	Description	PK	FK	Ref table
ID	VARCHAR (50)		✓		
F-name	VARCHAR (30)				
L-name	VARCHAR (30)				
E-Mail	VARCHAR (40)				
Phone-number	VARCHAR (12)				
DOB	Date	Date of Birth			
Master	VARCHAR (40)				
Address	VARCHAR (40)				
Profile image	VARCHAR (40)	Path for image			
Gender	VARCHAR (7)				
hospital	VARCHAR (40)				

2. Pharmacist

Table name	Pharmacist
Purpose	Saving Pharmacist data
No of rows	10

Field	Type	Description	PK	FK	Ref table
ID	VARCHAR (50)		✓		
F-name	VARCHAR (30)				
L-name	VARCHAR (30)				
E-Mail	VARCHAR (40)				
Phone-number	VARCHAR (12)				
Pharmacy Name	VARCHAR (40)				
Pharmacy Address	VARCHAR (40)				
Work hours	Integer (2)				
Profile image	VARCHAR (40)	Path for image			
delivery	VARCHAR (10)				

3. Patient

Table name	Patient
Purpose	Saving Patient data
No of rows	13

Field	Type	Description	PK	FK	Ref table
ID	VARCHAR (50)		✓		
F-name	VARCHAR (30)				
L-name	VARCHAR (30)				
E-Mail	VARCHAR (40)				
Phone-number	VARCHAR (12)				
DOB	Date	Date of Birth			
Gender	VARCHAR (10)				
Profile image	VARCHAR (40)	Path for image			
blood	VARCHAR (10)	Blood type			
address	VARCHAR (40)				
State	VARCHAR (10)	Married/ single			
height	Integer (3)				
Weight	Integer (3)				
Count_new_presc	Integer (3)				

4. Prescription

Table name	Prescription
Purpose	Saving Prescription data
No of rows	8

Field	Type	Description	PK	FK	Ref table
Presc_ID	VARCHAR (15)		✓		
File Path	VARCHAR (40)				
Classification	VARCHAR (40)				
RX	VARCHAR (100)	Content of the prescription written by the doctor			
Date	Date				
otherDoctorName	VARCHAR (40)				
Patient_prescription_ID	VARCHAR (50)			✓	Patient
Doctor_prescription_ID	VARCHAR (50)			✓	Doctor

5. Medicines

Table name	Medicines
Purpose	Saving medicines data
No of rows	4

Field	Type	Description	PK	FK	Ref table
Medicine_ID	VARCHAR (50)		✓		
Medicine_name	VARCHAR (40)				
Medicine_price	Double (6,2)				
Medicine_description	VARCHAR (100)				

Medicine_Prescription

Table name	Medicine_prescription
Purpose	Medicines in the Prescriptions
No of rows	2

Field	Type	Description	PK	FK	Ref table
<u>Medicine_ID</u>	VARCHAR (50)		✓		Medicines
Prescription_ID	VARCHAR (15)		✓		Prescription

Medicine_Pharmacist

Table name	Medicine_pharmacist
Purpose	Favorite medicines for pharmacist
No of rows	2

Field	Type	Description	PK	FK	Ref table
<u>Medicine_ID</u>	VARCHAR (50)		✓		Medicines
pharmacist_ID	VARCHAR (50)		✓		pharmacist

Doctor_Patient

Table name	Doctor_patient
Purpose	To relate Doctor/patient with each other
No of rows	2

Field	Type	Description	PK	FK	Ref table
<u>Doctor_ID</u>	VARCHAR (50)		✓		Doctor
<u>Patient_ID</u>	VARCHAR (50)		✓		Patient