Table structure

Table name: users

FIELD	DATA TYPE	CONSTRAINTS	DESCRIPTION
user_id	varchar(16)	primary key	The unique id of each user
password_hash	varchar(128)	not null	The SHA-512 hash of username and password used for authentication
name	varchar(50)	not null	Name of the user
dept	varchar(15)	nullable	Department of the user
is_admin	number(1)	not null	Whether user is admin or not

Table name: medicines

FIELD	DATA TYPE	CONSTRAINTS	DESCRIPTION
medicine_id	int	primary key	Unique id of each medicine
name	varchar(100)	not null	Name of the Medicine
dosage	number(6,2)	nullable	Dosage of the Medicine
unit	varchar (5)	nullable	Unit of the Dosage

Table name: procedures

FIELD	DATA TYPE	CONSTRAINTS	DESCRIPTION
procedure_id	int	primary key	Unique id of each procedure
name	varchar (100)	not null	Name of the Procedure

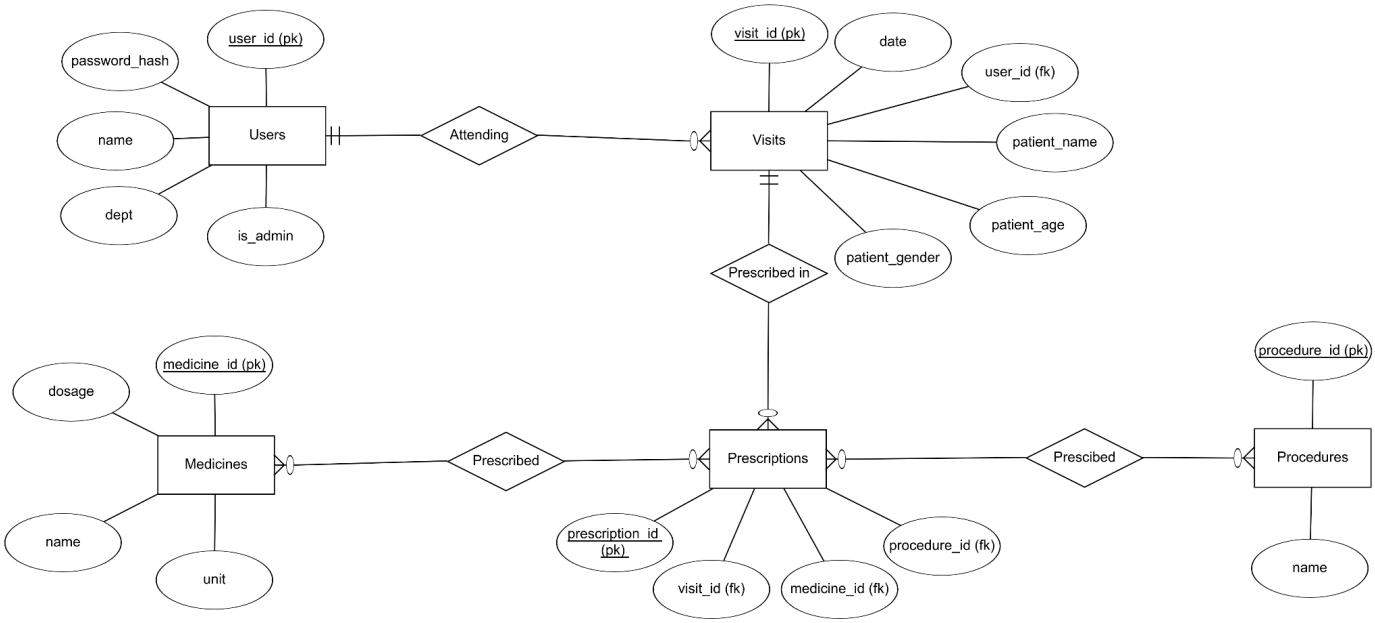
Table name: visits

FIELD	DATA TYPE	CONSTRAINTS	DESCRIPTION
visit_id	Int	primary key	Unique id of the visit
user_id	varchar (16)	not null, foreign key	id of the doctor attending the visit
patient_name	varchar (50)	not null	Name of the patient
patient_age	int	not null	Age of the patient
patient_gender	varchar (6)	not null	Gender of the patient
date	date	not null	Date of the visit

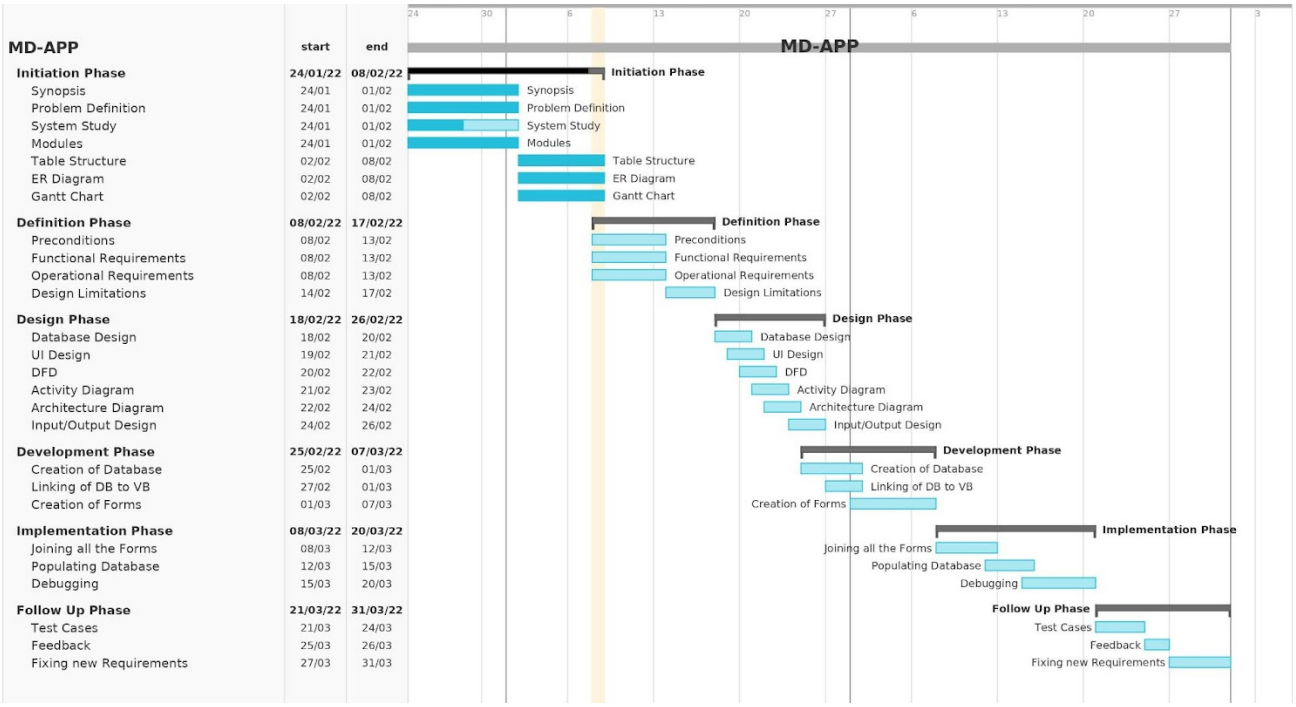
Table name: prescriptions

FIELD	DATA TYPE	CONSTRAINTS	DESCRIPTION
prescription_id	int	primary key	Unique id of the prescription
visit_id	int	not null, foreign key	Id of the visit where it was prescribed
medicine_id	int	nullable, foreign key	Id of the medicine prescribed
procedure_id	int	nullable, foreign key	Id of the procedure prescribed

ER Diagram:



Gantt Chart:


MD-APP
start
end
Initiation Phase 24/01/22 08/02/22
Synopsis 24/01 01/02
Problem Definition 24/01 01/02
System Study 24/01 01/02
Modules 24/01 01/02
Table Structure 02/02 08/02
ER Diagram 02/02 08/02
Gantt Chart 02/02 08/02
Definition Phase 08/02/22 17/02/22
Preconditions 08/02 13/02
Functional Requirements 08/02 13/02
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Design Limitations 14/02 17/02
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Database Design 18/02 20/02
UI Design 19/02 21/02
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Activity Diagram 21/02 23/02
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Development Phase 25/02/22 07/03/22
Creation of Database 25/02 01/03
Linking of DB to VB 27/02 01/03
Creation of Forms 01/03 07/03
Implementation Phase 08/03/22 20/03/22
Joining all the Forms 08/03 12/03
Populating Database 12/03 15/03
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Follow Up Phase 21/03/22 31/03/22
Test Cases 21/03 24/03
Feedback 25/03 26/03
Fixing new Requirements 27/03 31/03
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