E DIAGNOSTIC LAB MANAGEMENT SYSTEM

Table design

Admin

No:	Field name	Datatype	Key constraints	Description
1	adminid	int	Primary key	Unique identifier for admin
2	Username	Varchar(50)	Not null	Admin name for login
3	password	varchar(50)	Not null	password
4	email	varchar(50)	Not null	email
5	Phonenumber	int	Not null	Contact number

User

No:	Field name	Data type	Key constraints	Description
1	Userid	int	Primary key	Unique identifier for user
2	Username	varchar(50)	Not null	User name for login
3	password	varchar(50)	Not null	password
4	email	varchar(50)	Not null	email
5	Phonenumber	int	Not null	Contactnumber
6	Role	Enum(Patient,Staff)	Not Null	Indicates whether the user is patient or staff.
7	DateOfBirth	date	Not Null	DoB of patients
8	Gender	Enum(male,female, others)	Not Null	Gender of patient

Appointments

No:	Field name	Data type	Key constraints	Description
1	Appoinmentid	int	Primary key	Unique identifier for each appoinment
2	userid	int	foreignkey	Referenced to the user who booked
3	Appoinment date	date	Not Null	Date and time for appoinment
4	Status	enum	Not Null	Booked/completed
5	Appoinment method	varchar(50)	Not Null	Online/Offline
6	Testid	int	Foreign key	Referenced to the test booked

Test

No:	Field name	Data type	Key constraints	Description
1	Testid	int	Primary Key	Unique identifier for each test
2	TestName	varchar(50)	Not Null	Name of test
3	Cost	decimal	Not Null	Cost of test

Test Result

No:	Field name	Data type	Key constraints	Description
1	resultid	int	Primary Key	Unique identifier for each test result
2	Userid	Int	Foreign key	Referencing to the user
3	Testid	int	Foreign key	Referencing the test conducted
4	Resultdata	text	Not Null	Detailed data of test result

Health issues

No:	Field name	Data type	Key constraints	Description
1	Healthissueid	int	Primary key	Unique identifier for each issue
2	Issuename	varchar(50)	Not Null	Name of issue

User Health issues

No:	Field name	Data type	Key constraints	Description
1	Userhealthissueid	int	Primary Key	Unique identifier for each users issue
2	Userid	int	Foreign key	Refrencing the user with health issue
3	Healthissueid	int	Foreign key	Referencing the Health issue

Address

No:	Field name	Data type	Key constraints	Description
1	Addressid	int	Primary key	Unique identifier for each address
2	userid	int	Foreign key	Referencing the user associated with the address
3	Streetaddress	varchar(50)	Not Null	Street Address
4	city	Varchar(50)	Not Null	City of user
5	State	Varchar(50)	Not Null	State of user
6	Postalcode	Varchar(50)	Not Null	Postal code of user
7	Country	Varchar(50)	Not Null	Country of User

Payment

No:	Field name	Data type	Key constraints	Description
1	Paymentid	int	Primary key	Unique identifier for payment
2	Appoinmentid	int	foreignkey	References appoinment associated with payment
3	Paymentdate	Datetime	Not Null	Date and time of payment
4	Amount	decimal	Not Null	Amount payed
5	Paymentmethod	varchar(50)	Not Null	Method used(gpay,credit)

Payment method details

No:	Field name	Data type	Key constraints	Description
1	Paymentdetailid	int	Primary key	Unique payment detil id
2	paymentmethod	varchar(50)	Not Null	Method of payment(gpay,credit)
3	accholdername	Varchar(50)	Not Null	Name of the acc holder
4	accno	int	Not Null	Account number
5	expirydate	int	Not Null	Expiry date for crd
6	Cvv	int	Not Null	Null for noncard users
7	userid	int	Foreign key	References the user who done payment