

AAA- Pharmacy

Project Description:

We have created a database that facilitates a chemist to store, retrieve and update the stock(medicines) in a medical store.

Our project consists of the following:

In the backend, there are four tables. GUI software is used for creating the frontend, and MySQL has been used for creating the database. JDBC drivers are used to connect the frontend with the backend.

Tables :

1) Medicines :

Attributes	Data Type	Constraints
med_id(primary key)	Integer	Not null, auto-increment
med_name	Variable character, max size=20	Not null
mfg_date	Date	Not null
exp_date	Date	Not null
price	Integer	Not null, value>=0
stock	Integer	Not null, value>=0

prescription_reqd	Boolean	The default value is 'false.'
refrigeration_reqd	Boolean	The default value is 'false.'

2) Suppliers

Attributes	Data Type	Constraints
supplier_id(primary key)	Integer	Not null, auto-increment
supplier_name	Variable character, Max size = 20	Not null
supplier_contact_1	Integer	Not null and unique
supplier_contact_2	Integer	--
office_address	Variable character, Max size = 30	Not null
pincode	integer	Not null

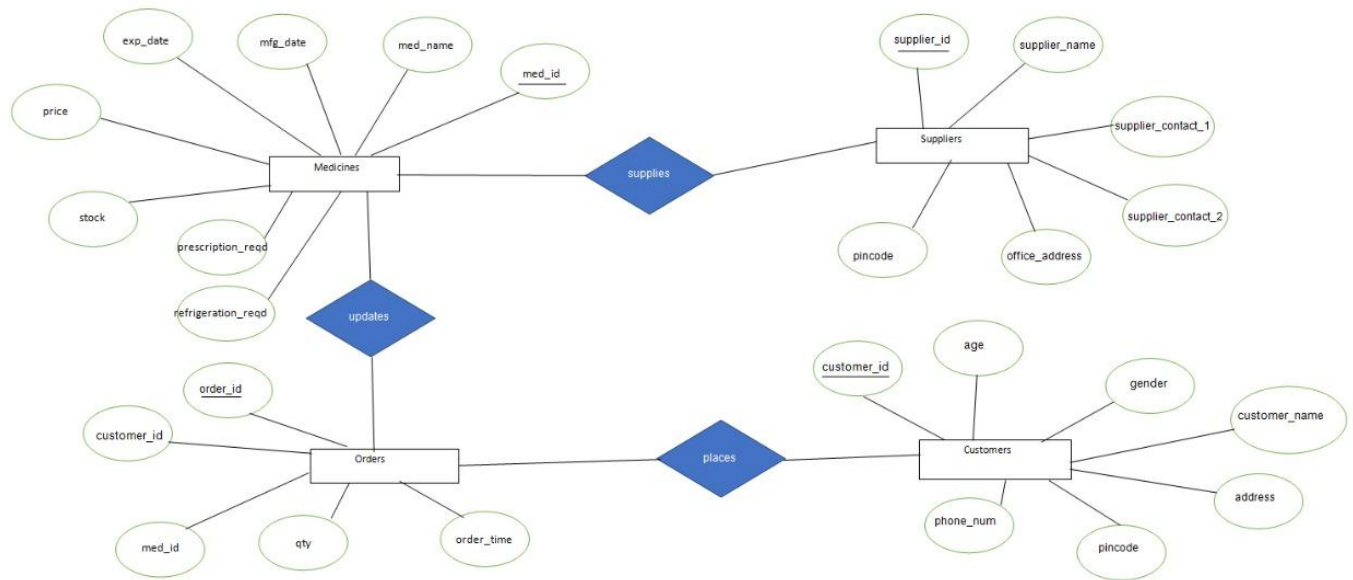
3) Orders

Attributes	Data Type	Constraints
order_id	Integer	Not null, auto-incremented
customer_id	Integer	Not null
med_id	Integer	Not null
qty	Integer	Not null
order_time	Date_Time	Not null

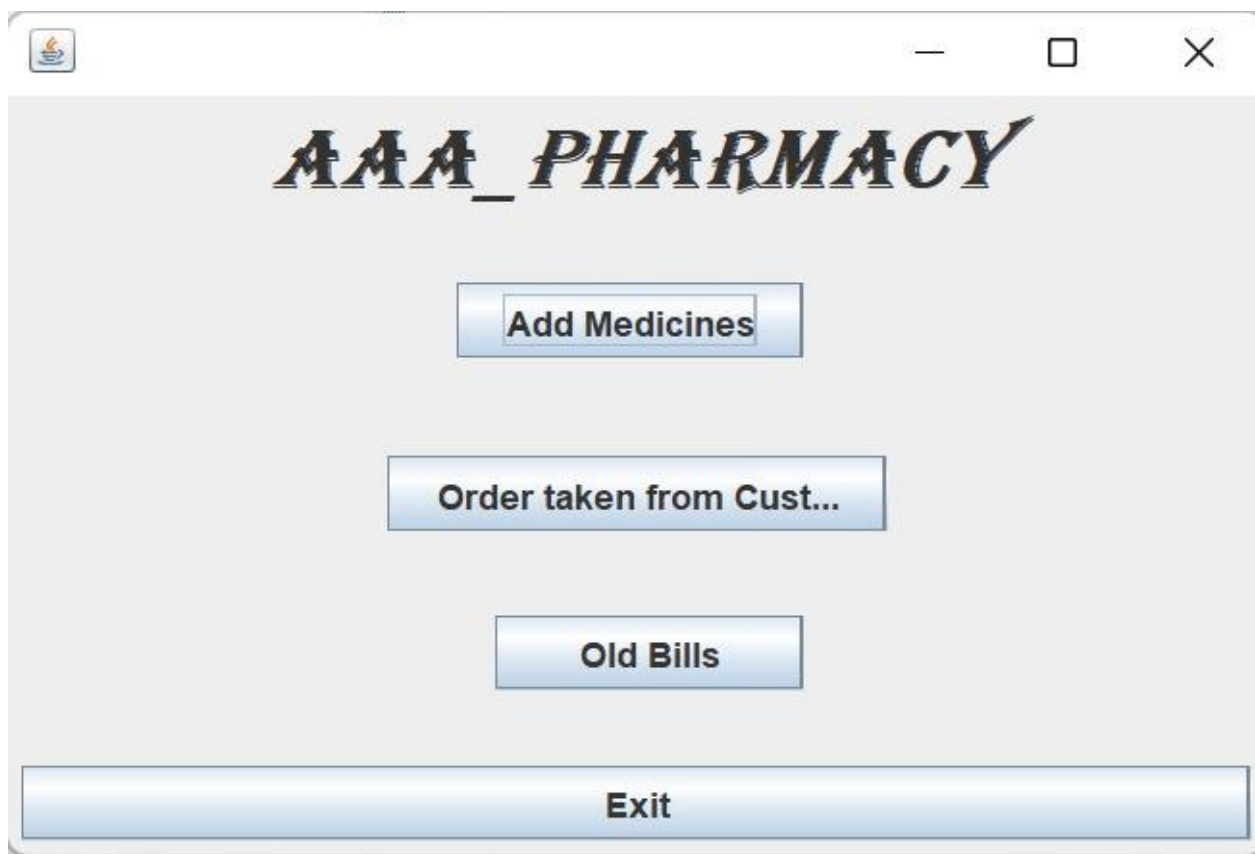
4) Customers

Attributes	Data Type	Constraints
customer_id	Integer	Not null, auto-increment
age	Integer	---
gender	Character	---
customer_name	Variable Character	NOT NULL
address	Variable Character	NOT NULL
pincode	Integer	NOT NULL
phone_num	Integer	---


ER- Diagram:



Application screenshots:




Main

—□✕

Medicine Name	<input type="text"/>		
Mfg Date	<input type="text"/>	Expiry Date	<input type="text"/>
Price	<input type="text"/>	Quantity	<input type="text"/>
Supplier Name	<input type="text"/>		
Address	<input type="text"/>		
Mobile Number	<input type="text"/>	Pin Code	<input type="text"/>
<input type="button" value="Add to Stock"/>		<input type="button" value="Back"/>	

Add_Medicine



—

□

×

Customer Name

Date

2021-12-01

Age

Gender

Address

Pin

Mobile Number

Please enter the name of Medicine

Sr. No	Medicine Name	Quantity

Back

Add to List

Place Order

Order_Medicine

Customer Name Contact Number

Sr. No	Medicine N...	Quantity	Price	Net Price	Order Date
--------	---------------	----------	-------	-----------	------------

Old_Bills

Table descriptions:-

Medicine Table:-

	Field	Type	Null	Key	Default	Extra
►	med_id	int	NO	PRI	NULL	auto_increment
	med_name	varchar(20)	NO		NULL	
	mfg_date	date	NO		NULL	
	exp_date	date	NO		NULL	
	price	int	NO		NULL	
	stock	int	NO		NULL	
	prescription_reqd	tinyint(1)	YES		0	
	refrigeration_reqd	tinyint(1)	YES		0	

Supplier Table:-

	Field	Type	Null	Key	Default	Extra
▶	supplier_id	int	NO	PRI	NULL	auto_increment
	supplier_name	varchar(20)	NO		NULL	
	supplier_contact_1	int	NO	UNI	NULL	
	supplier_contact_2	int	YES		NULL	
	office_address	varchar(30)	NO		NULL	
	pincode	int	NO		NULL	

Orders Table:-

	Field	Type	Null	Key	Default	Extra
▶	order_id	int	NO	PRI	NULL	auto_increment
	customer_id	int	YES	MUL	NULL	
	med_id	int	YES	MUL	NULL	
	qty	int	YES		NULL	
	order_time	date	YES		NULL	

Customers Table:-

	Field	Type	Null	Key	Default	Extra
▶	customer_id	int	NO	PRI	NULL	auto_increment
	age	int	YES		NULL	
	gender	char(1)	YES		NULL	
	customer_name	varchar(20)	NO		NULL	
	address	varchar(30)	NO		NULL	
	pincode	int	NO		NULL	
	phone_num	int	YES		NULL	

Group Members:

20UCS005 Abhay Kumar Gupta

20UCS037 Aryan

20UCS041 Atharva Satpal Toshniwal