# MEDICAL STORE MANAGEMENT SYSTEM

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**SYNOPSIS:**

There would be 3 kind of roles on the database:

1. Administrator

2. Doctor / Owner

3. Receptionist

The administrator will have complete privileges on the whole database. The doctor/owner will be allowed to both carry out transactions as well as modify past transactions. The receptionist will be allowed to carry out transactions on the database but won't be allowed to modify past transactions.

All the actions will be logged so that they can be reverted by the admin if necessary. Also, if time permits, a feature can be added such that the administrator can use this log file to repopulate the database in case the database is deleted from the hard drive.

**Role functionality: Administrator**

The administrator will be allowed to access the back-end of the database which will be in MySQL. He would also have web access to a front-end which would let him view transactions which have taken place. The frontend would also make it possible for him to modify individual entries manually.

**Role functionality: Doctor / Owner**

The doctor/owner will be allowed only his own front-end which would permit him to do everything that a receptionist is allowed to do. Additionally, he will be able to view past transactions and will be allowed to modify the values or nullify those transactions.

**Role functionality: Receptionist**

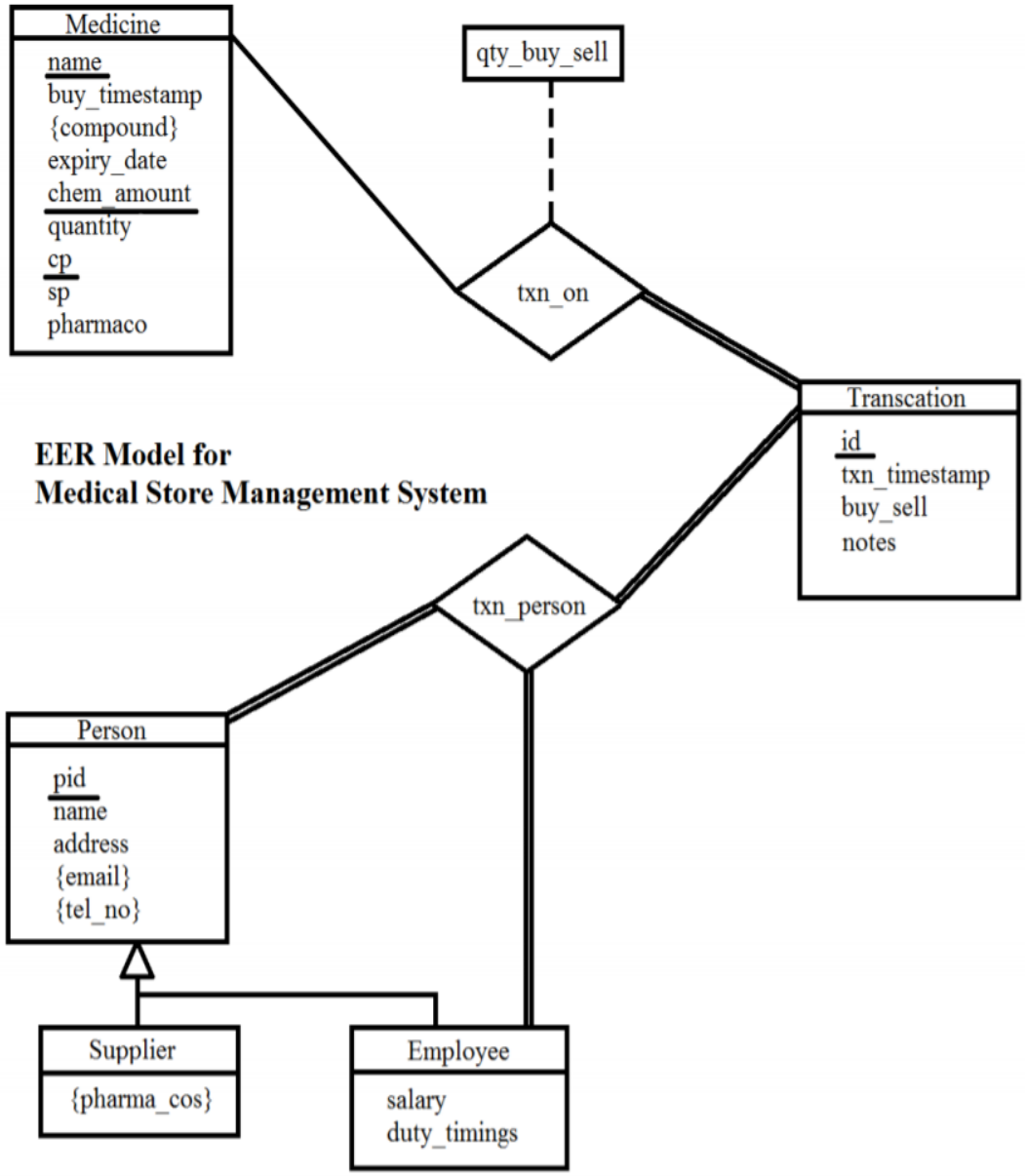
The receptionist will be allowed to insert new transactions for medicines. He would have a severely limited role and won't have privileges to modify any transaction except the current one.

Depending on what functionality the Medical Store / Hospital Pharmacy would like to grant the users they can create user accounts of the required specifications and can hand out login credentials to the users. For example, a doctor would not necessarily be given the Doctor / Owner role if the medical store does not want him to be able to modify transactions.

**Technologies:**

HTML, CSS, Java Script, PHP, MySQL, Ajax, MySQL server, XAMPP server.

**PROJECT FLOW - ER DIAGRAM:**



**Constraints**

In the Entity-Set Medicine, PRIMARY KEY is (name,chem_amount,cp).

In the Entity-Set Transaction, PRIMARY KEY is (id) which is generated by auto-increment.

In the Entity-Set Person, PRIMARY KEY is (pid) which is also generated by auto-increment.

Total participation has been indicated in the EER Model by drawing double lines.

The specialization of Person into Supplier and Employee is a disjoint specialization which is partial.

**Domain Types**

name varchar(60)

buy_timestamp timestamp

compound varchar(50)

expiry_date date

chem_amount varchar(10)

quantity int

cp int

sp int

pharmaco varchar(50)

qty buy sell int

id int

txn_timestamp timestamp

buy_sell char(1)

notes text

pid int

name varchar(60)



address text

email varchar(45)

tel_no int

pharma cos varchar(50)

salary int

duty timings varchar(20)

**Tables after normalization**

medicine (name, buy timestamp, expiry date, chem amount, qty,

cp, sp)

name pharma (name, pharmaco)

name compound (name, compound)

transaction (id, txn timestamp, buy sell, notes)

person (pid, name, address)

person email (pid, email)

person tel no (pid, tel no)

supplier pharmaco (pid, pharmaco)

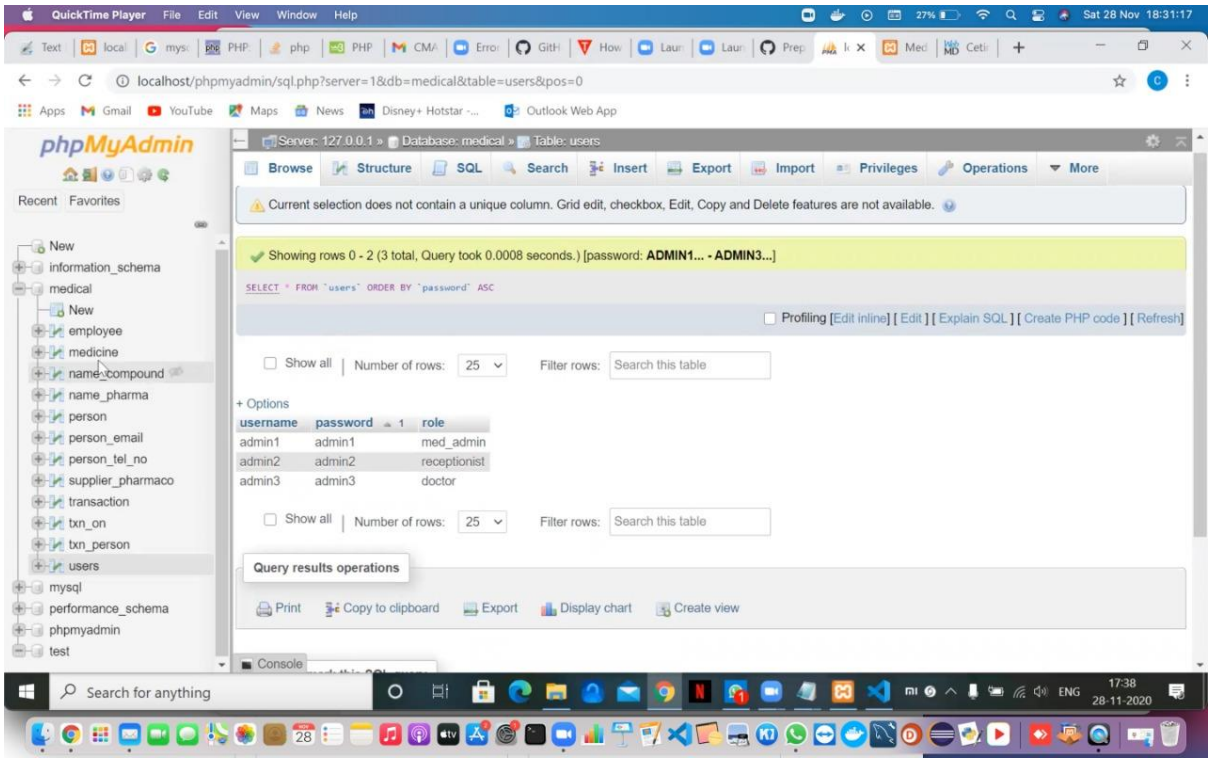
employee (pid, salary, duty timings)

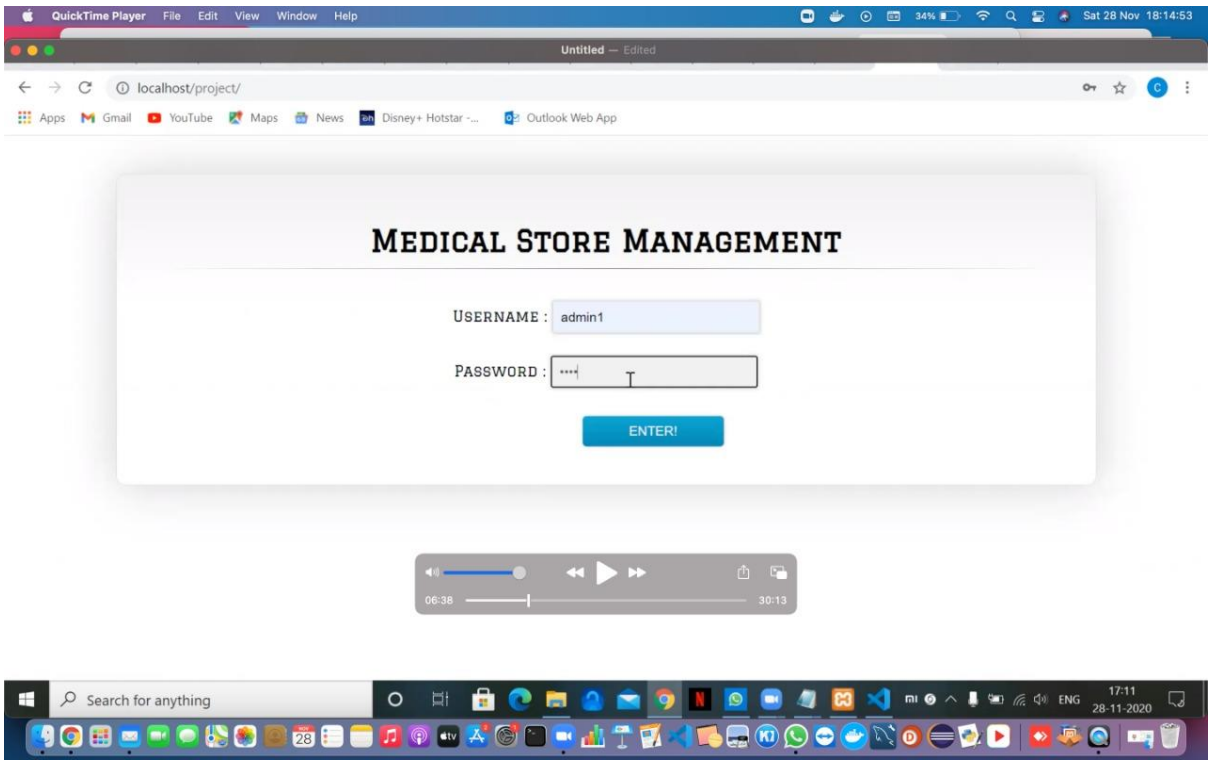
txn on (name, buy timestamp, chem amount, expiry date, cp, id,

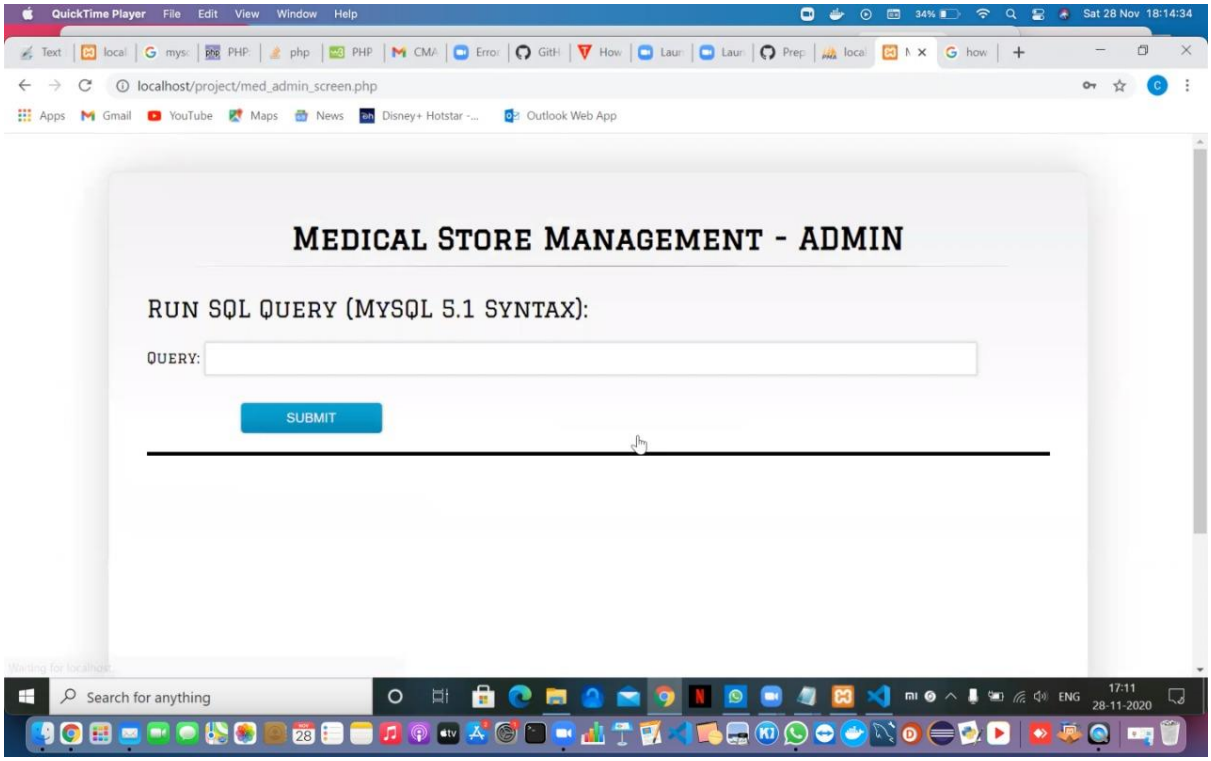
qty buy sell)

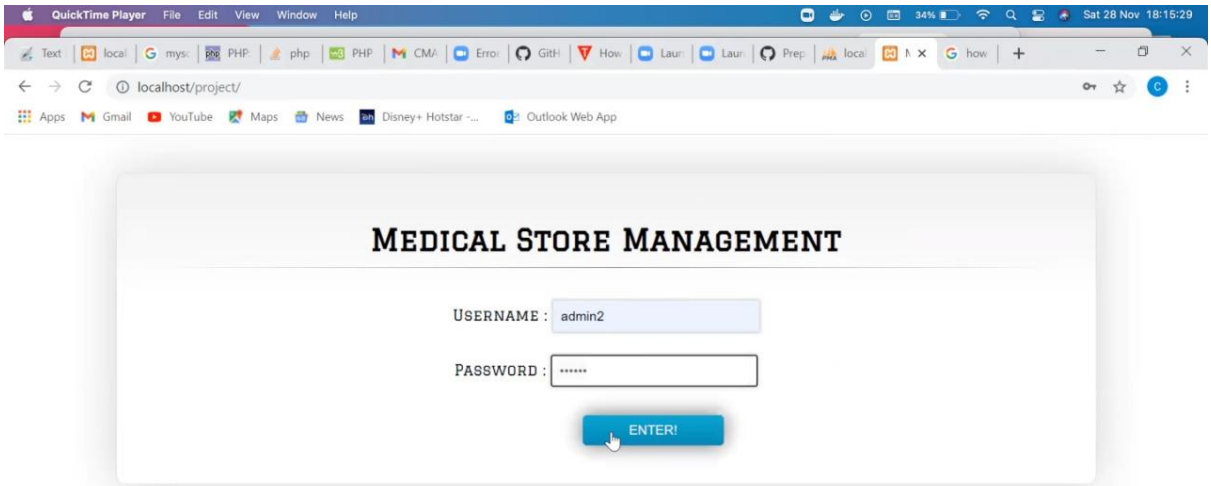
txn person (id, pid person, pid employee)

OUTPUTS:

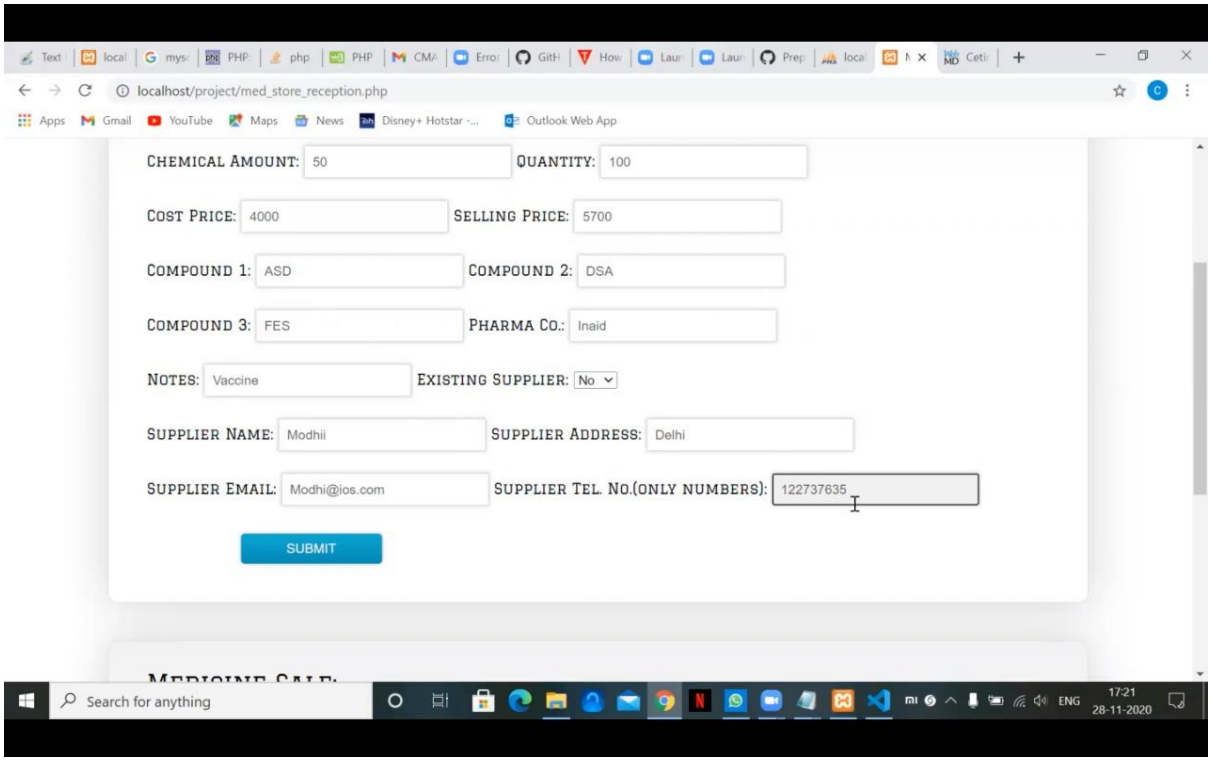

phpMyAdmin
Server: 127.0.0.1 » Database: medical » Table: users
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
More
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 2 (3 total, Query took 0.0008 seconds.) [password: ADMIN1... - ADMIN3...]
SELECT * FROM `users` ORDER BY `password` ASC
Profiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh]
Show all | Number of rows: 25 Filter rows: Search this table
+ Options
username password role
admin1 admin1 med_admin
admin2 admin2 receptionist
admin3 admin3 doctor
Query results operations
Print
Copy to clipboard
Export
Display chart
Create view
Console
Search for anything
ENG
17:38
28-11-2020

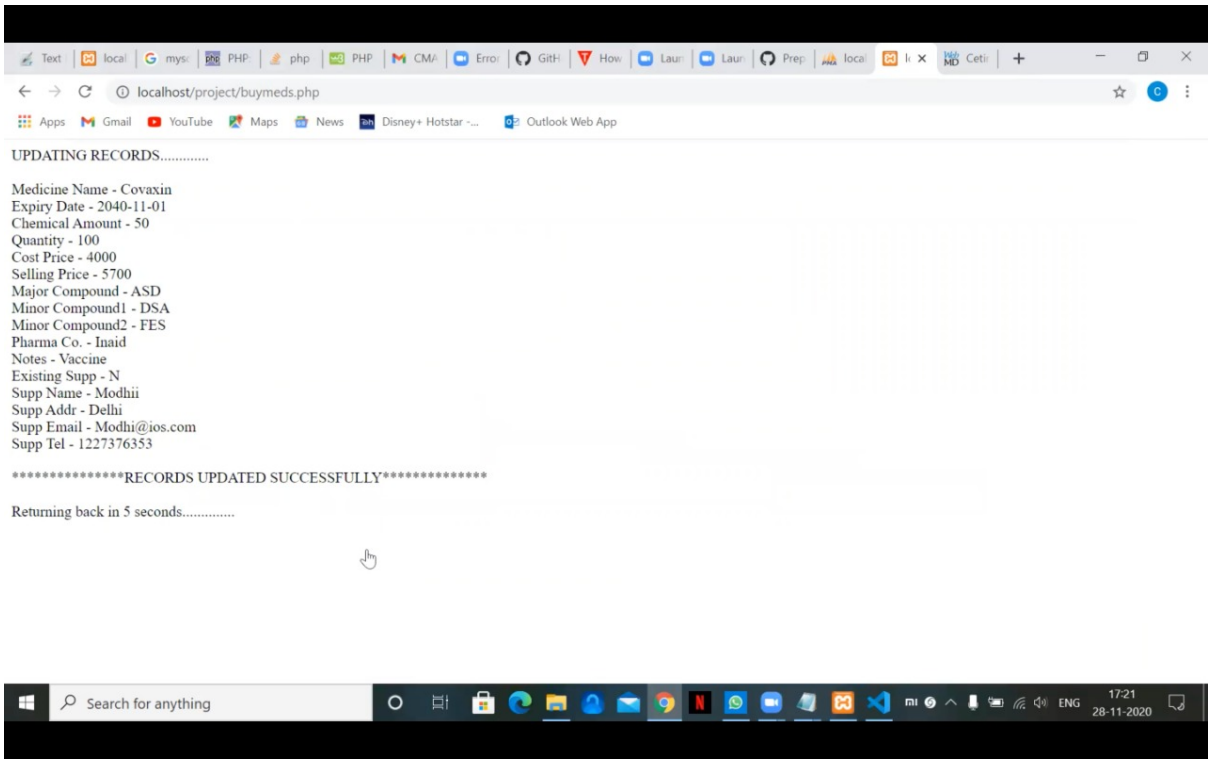

Untitled — Edited
localhost/project/
MEDICAL STORE MANAGEMENT
USERNAME : admin1
PASSWORD :
ENTER!
06:38
30:13
Search for anything
ENG
17:11
28-11-2020

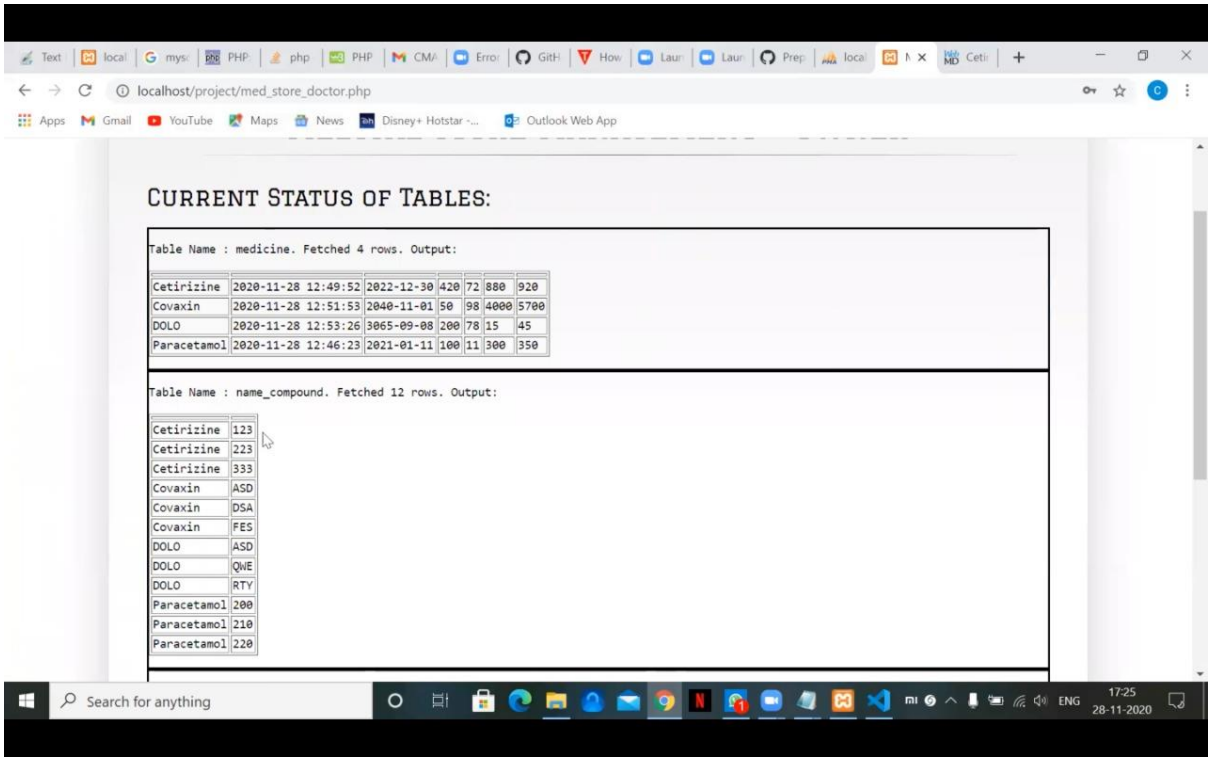

QuickTime Player File Edit View Window Help
Sat 28 Nov 18:14:34
localhost/project/med_admin_screen.php
Apps Gmail YouTube Maps News Disney+ Hotstar -... Outlook Web App
MEDICAL STORE MANAGEMENT - ADMIN
RUN SQL QUERY (MYSQL 5.1 SYNTAX):
QUERY:
SUBMIT
Search for anything
ENG
17:11
28-11-2020


QuickTime Player File Edit View Window Help
Sat 28 Nov 18:15:29
localhost/project/
Apps Gmail YouTube Maps News Disney+ Hotstar -... Outlook Web App
MEDICAL STORE MANAGEMENT
USERNAME : admin2
PASSWORD :
ENTER!


Search for anything
ENG
17:12
28-11-2020


localhost/project/med_store_reception.php
CHEMICAL AMOUNT: 50
QUANTITY: 100
COST PRICE: 4000
SELLING PRICE: 5700
COMPOUND 1: ASD
COMPOUND 2: DSA
COMPOUND 3: FES
PHARMA CO.: Inaid
NOTES: Vaccine
EXISTING SUPPLIER: No
SUPPLIER NAME: Modhii
SUPPLIER ADDRESS: Delhi
SUPPLIER EMAIL: Modhi@ios.com
SUPPLIER TEL. NO.(ONLY NUMBERS): 122737635
SUBMIT
Search for anything
ENG
17:21
28-11-2020


localhost/project/buymeds.php
UPDATING RECORDS.....
Medicine Name - Covaxin
Expiry Date - 2040-11-01
Chemical Amount - 50
Quantity - 100
Cost Price - 4000
Selling Price - 5700
Major Compound - ASD
Minor Compound1 - DSA
Minor Compound2 - FES
Pharma Co. - Inaid
Notes - Vaccine
Existing Supp - N
Supp Name - Modhii
Supp Addr - Delhi
Supp Email - Modhi@ios.com
Supp Tel - 1227376353
**********RECORDS UPDATED SUCCESSFULLY**********
Returning back in 5 seconds.....
Search for anything
ENG
17:21
28-11-2020



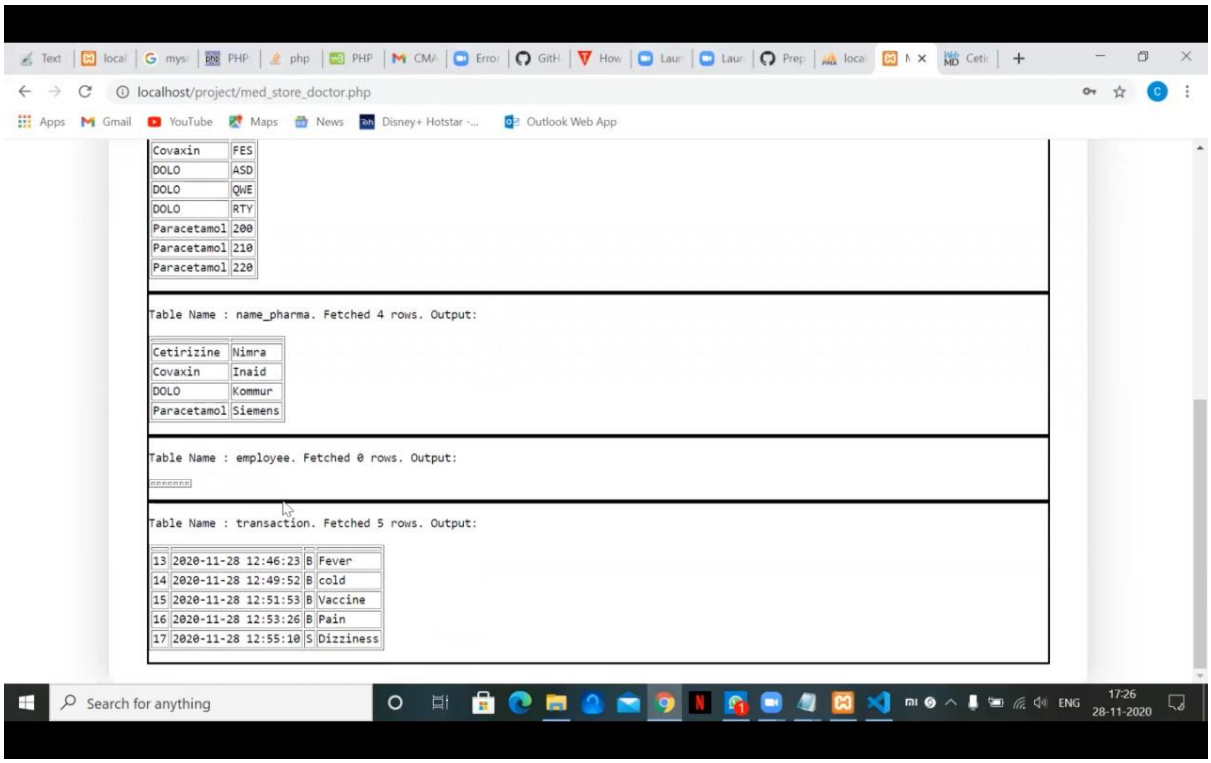
## CURRENT STATUS OF TABLES:

Table Name : medicine. Fetched 4 rows. Output:

| | | | | | | |
|---|---|---|---|---|---|---|
| Cetirizine | 2020-11-28 12:49:52 | 2022-12-30 | 420 | 72 | 880 | 920 |
| Covaxin | 2020-11-28 12:51:53 | 2040-11-01 | 50 | 98 | 4000 | 5700 |
| DOLO | 2020-11-28 12:53:26 | 3065-09-08 | 200 | 78 | 15 | 45 |
| Paracetamol | 2020-11-28 12:46:23 | 2021-01-11 | 100 | 11 | 300 | 350 |

Table Name : name_compound. Fetched 12 rows. Output:

| | |
|---|---|
| Cetirizine | 123 |
| Cetirizine | 223 |
| Cetirizine | 333 |
| Covaxin | ASD |
| Covaxin | DSA |
| Covaxin | FES |
| DOLO | ASD |
| DOLO | QWE |
| DOLO | RTY |
| Paracetamol | 200 |
| Paracetamol | 210 |
| Paracetamol | 220 |



| | |
|---|---|
| Covaxin | FES |
| DOLO | ASD |
| DOLO | QWE |
| DOLO | RTY |
| Paracetamol | 200 |
| Paracetamol | 210 |
| Paracetamol | 220 |

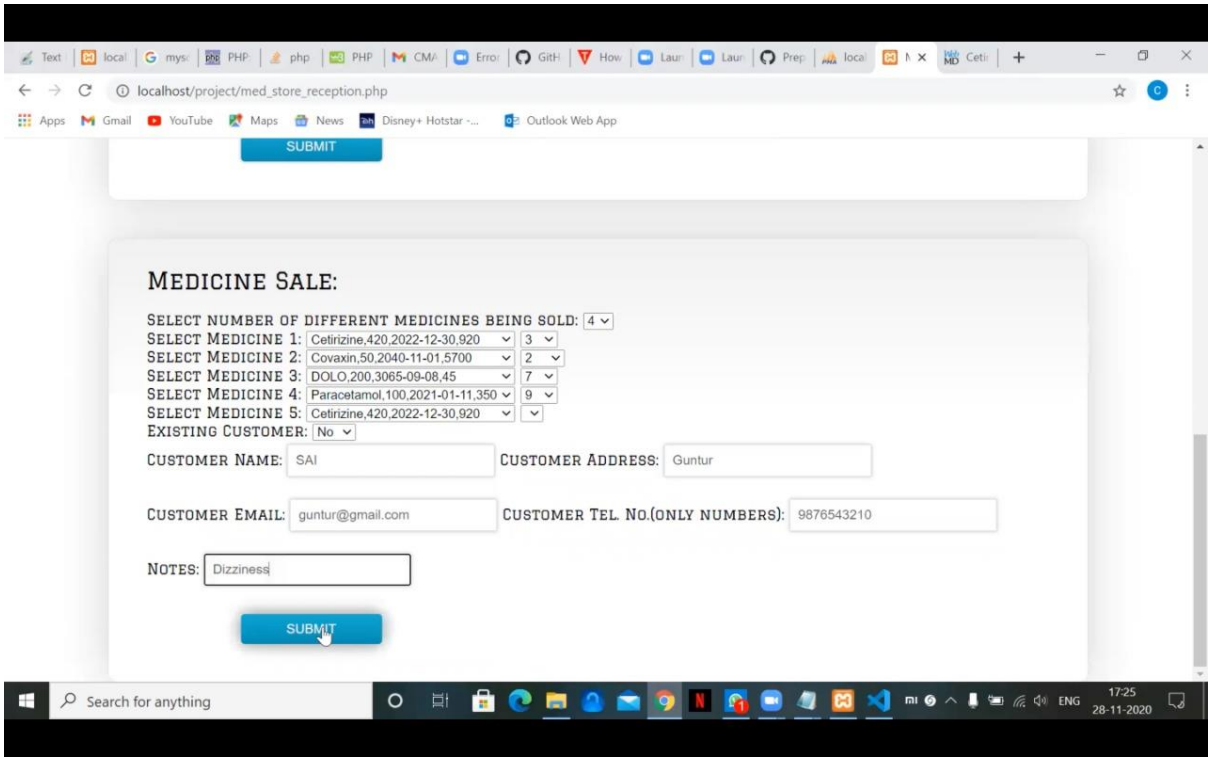
Table Name : name_pharma. Fetched 4 rows. Output:

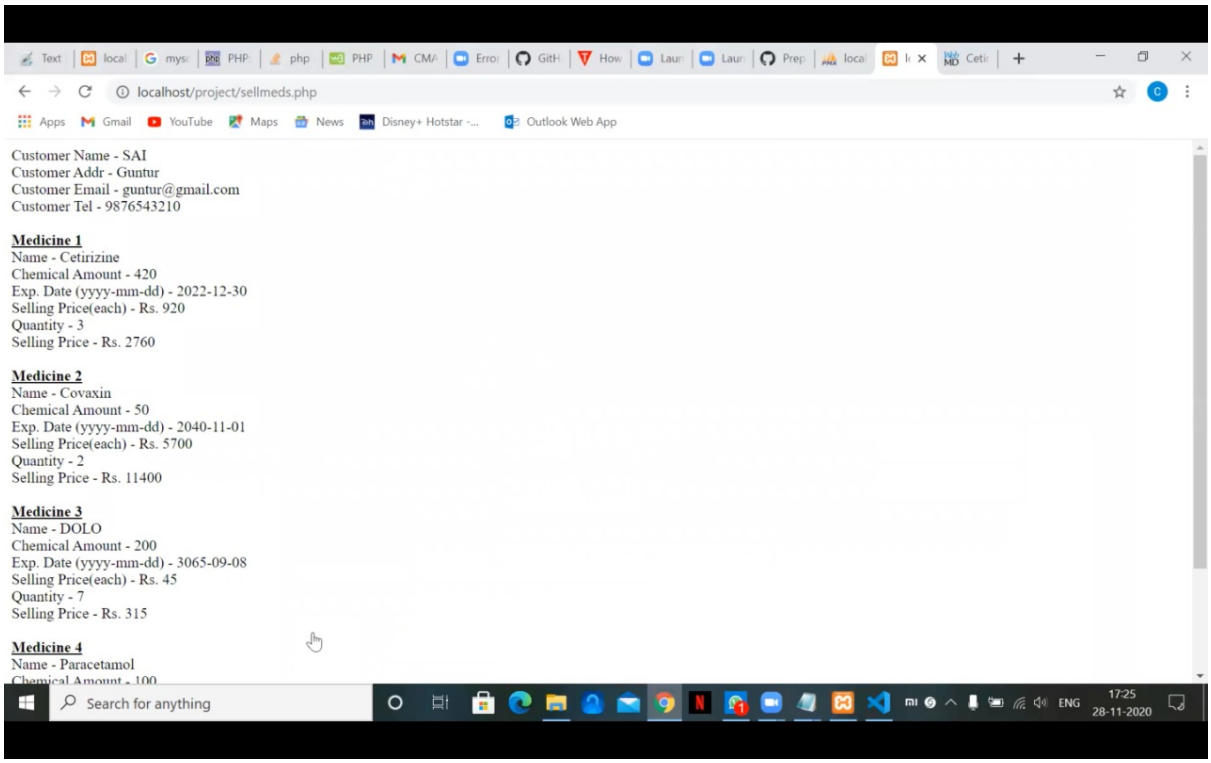
| | |
|---|---|
| Cetirizine | Nimra |
| Covaxin | Inaid |
| DOLO | Kommur |
| Paracetamol | Siemens |

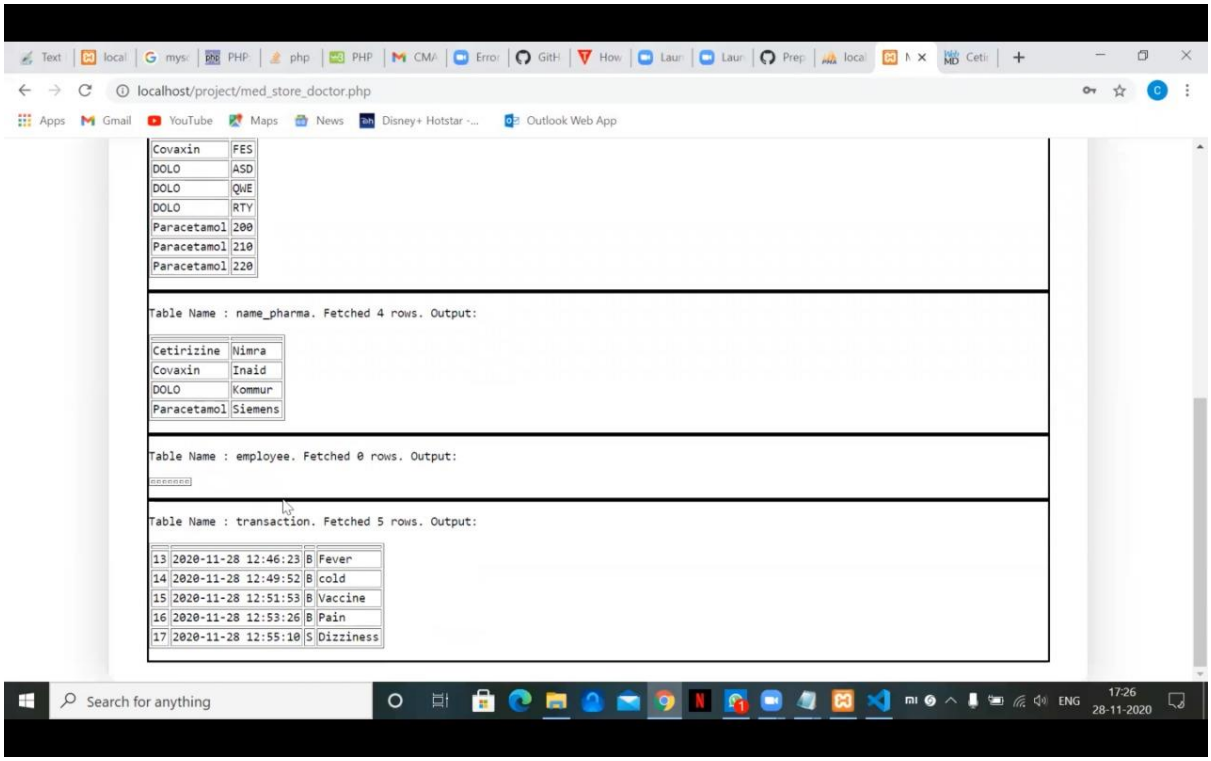
Table Name : employee. Fetched 0 rows. Output:

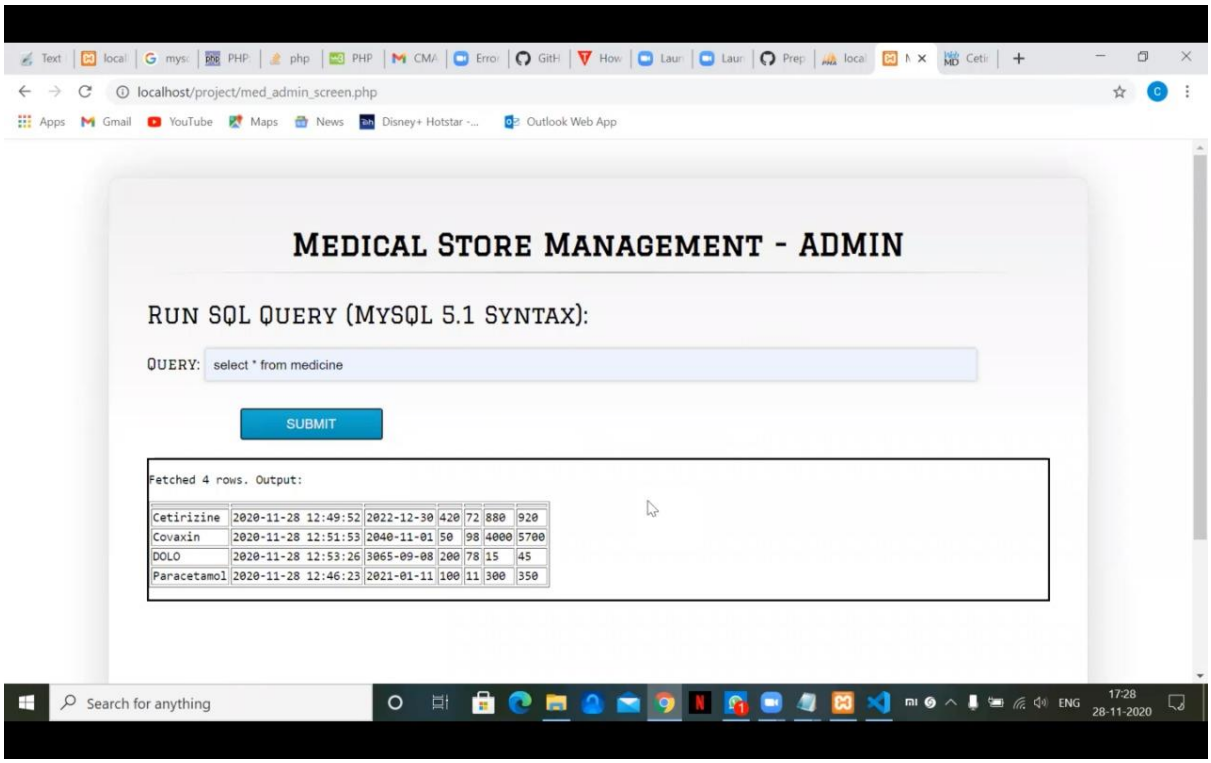
Table Name : transaction. Fetched 5 rows. Output:

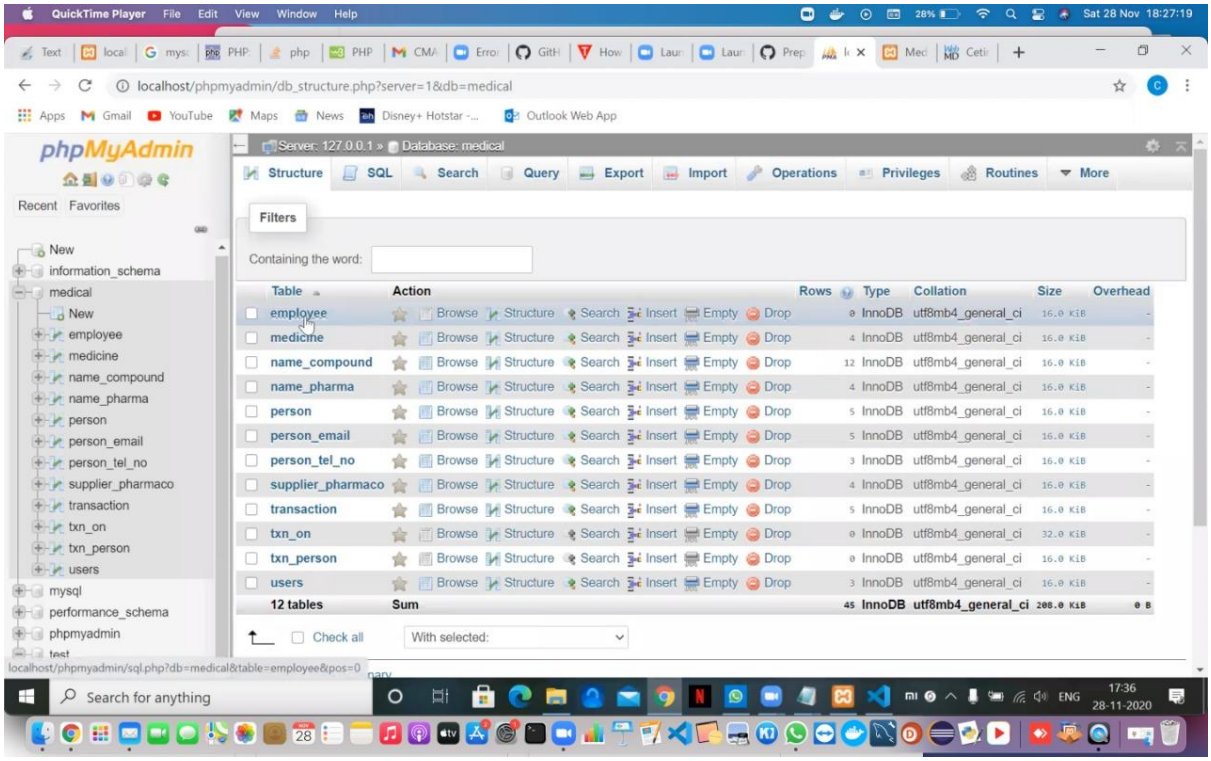
| | | | |
|---|---|---|---|
| 13 | 2020-11-28 12:46:23 | B | Fever |
| 14 | 2020-11-28 12:49:52 | B | cold |
| 15 | 2020-11-28 12:51:53 | B | Vaccine |
| 16 | 2020-11-28 12:53:26 | B | Pain |
| 17 | 2020-11-28 12:55:10 | S | Dizziness |


localhost/project/med_store_reception.php
SUBMIT
MEDICINE SALE:
SELECT NUMBER OF DIFFERENT MEDICINES BEING SOLD: 4
SELECT MEDICINE 1: Cetirizine,420,2022-12-30,920 3
SELECT MEDICINE 2: Covaxin,50,2040-11-01,5700 2
SELECT MEDICINE 3: DOLO,200,3065-09-08,45 7
SELECT MEDICINE 4: Paracetamol,100,2021-01-11,350 9
SELECT MEDICINE 5: Cetirizine,420,2022-12-30,920
EXISTING CUSTOMER: No
CUSTOMER NAME: SAI
CUSTOMER ADDRESS: Guntur
CUSTOMER EMAIL: guntur@gmail.com
CUSTOMER TEL. NO.(ONLY NUMBERS): 9876543210
NOTES: Dizziness
SUBMIT
Search for anything
ENG
17:25
28-11-2020


localhost/project/sellmeds.php
Customer Name - SAI
Customer Addr - Guntur
Customer Email - guntur@gmail.com
Customer Tel - 9876543210
Medicine 1
Name - Cetirizine
Chemical Amount - 420
Exp. Date (yyyy-mm-dd) - 2022-12-30
Selling Price(each) - Rs. 920
Quantity - 3
Selling Price - Rs. 2760
Medicine 2
Name - Covaxin
Chemical Amount - 50
Exp. Date (yyyy-mm-dd) - 2040-11-01
Selling Price(each) - Rs. 5700
Quantity - 2
Selling Price - Rs. 11400
Medicine 3
Name - DOLO
Chemical Amount - 200
Exp. Date (yyyy-mm-dd) - 3065-09-08
Selling Price(each) - Rs. 45
Quantity - 7
Selling Price - Rs. 315
Medicine 4
Name - Paracetamol
Search for anything
ENG
17:25
28-11-2020


localhost/project/med_store_doctor.php
Covaxin FES
DOLO ASD
DOLO QWE
DOLO RTY
Paracetamol 200
Paracetamol 210
Paracetamol 220
Table Name : name_pharma. Fetched 4 rows. Output:
Cetirizine Nimra
Covaxin Inaid
DOLO Kommur
Paracetamol Siemens
Table Name : employee. Fetched 0 rows. Output:
Table Name : transaction. Fetched 5 rows. Output:
13 2020-11-28 12:46:23 B Fever
14 2020-11-28 12:49:52 B cold
15 2020-11-28 12:51:53 B Vaccine
16 2020-11-28 12:53:26 B Pain
17 2020-11-28 12:55:10 S Dizziness
Search for anything
ENG
17:26
28-11-2020


localhost/project/med_admin_screen.php
MEDICAL STORE MANAGEMENT - ADMIN
RUN SQL QUERY (MYSQL 5.1 SYNTAX):
QUERY: select * from medicine
SUBMIT
Fetched 4 rows. Output:
Cetirizine 2020-11-28 12:49:52 2022-12-30 420 72 880 920
Covaxin 2020-11-28 12:51:53 2040-11-01 50 98 4000 5700
DOLO 2020-11-28 12:53:26 3065-09-08 200 78 15 45
Paracetamol 2020-11-28 12:46:23 2021-01-11 100 11 300 350
Search for anything
ENG
17:28
28-11-2020




CONCLUSION:

It gives a lot of details a lot of details about the stock sell. In short, it is a medical inventory that has made lives easier. This software is called the Medical store management system. It provides every small to big details like customer details, purchase details, sell details, bill details.