

Dr. Vishwanath Karad

MIT WORLD PEACE

UNIVERSITY PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Engineering and Technology

T.Y. B.Tech Year: 2020-2021 Trimester: 7

Mini Project Report on:

"Medical Store Management System"

Submitted by Ishan Kundekar 1032180017 PC02 Sahil Pawar 1032180042 PC05 Saket Desale 1032180085 PC10 Vishal Jagwani 1032180305 PC13

Under the Guidance of Prof. Vaishali Suryawanshi

At





School of Computer Engineering and Technology

ABSTRACT

The project entitled Medical Store Management System is developed for established Medical store in the city. This project is developed to manage all operations of the medical store. It will have the entire basic module to manage the medical store operations. This application can be used by any other store to automate the process of manually maintaining the records related to the stock and liquid flows. The main objective of the application is to automate the existing system of manually maintained records of the counter sales, purchases and other related transactions made by the seller.

TABLE OF CONTENTS

	Abstract	
	List of Abbreviations	
	List of Figures	III
	List of Tables	
1.	Introduction	6
1.1	Motivation	6
1.2	Objectives	6
2.	Problem Definition	7
3.	Tools and Technologies	8
4.	Database Design	9
	ER Diagram	9
5.	Database Schema	10
5.1	Schema Diagram	11
5.2	Relationship Schema	
5.3	Database Normalization till 3NF	
6.	MySQL Code	14
7.	Frontend GUI Screenshot	
8.	Conclusion	
9	References	39

LIST OF ABBREVIATIONS

JDBC - Java Database Connectivity
MySQL- My Structured Query Language
JSP- Java Server Pages
QTY- Quantity
CUST- Customer
AMT- Amount
PWD- Password
PK- Primary Key
FK- Foreign Key

LIST OF FIGURES

- 1. ER DIAGRAM
- 2. SCHEMA DIAGRAM
- 3. RELATIONSHIP SCHEMA

LIST OF TABLES

Customer Stock StockOrder Orders Pharmacist

1. INTRODUCTION

1.1 MOTIVATION

The project entitled Medical Store Management System is developed for established Medical store in the city. This project is developed to manage all operations of the medical store. It will have the entire basic module to manage the medical store operations.

This application can be used by any other store to automate the process of manually maintaining the records related to the stock and liquid flows.

1.2 OBJECTIVE

The main objective of the application is to automate the existing system of manually maintained records of the counter sales, purchases and other related transactions made by the seller.

2. PROBLEM DEFINITION

The transactions related to purchase, sale and returns are maintained manually at present.

These are to be automated and an application is required to relate all of them relatively and logically so that the current system can be replaced and accepted without major changes and problems.

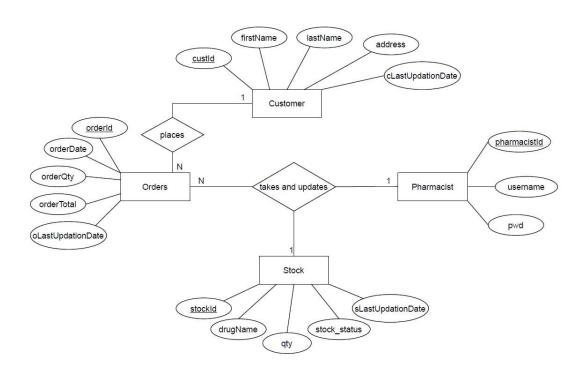
The application should provide quick access to the records maintained and must reveal the important reviews about the business so that the growth can be easily compared and should provide with the various reports showing the related details so that the important decisions could be taken easily.

3. TOOLS AND TECHNOLOGIES

WINDOWS 10
JSP,Servelets
JDBC
MySQL 8.0
Draw.io
Java

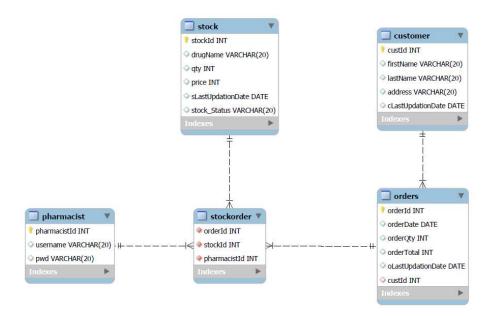
4. DATABASE DESIGN

4.1 ER Diagram



5. DATABASE SCHEMA

5.1 Schema Diagram



5.2 Relationship Schema

Customer:

<u>custId</u> firstName lastName address cLastUpdationDate

Orders:

orderId orderOtt orderOtt orderTotal oLastUpdationDate

Stock

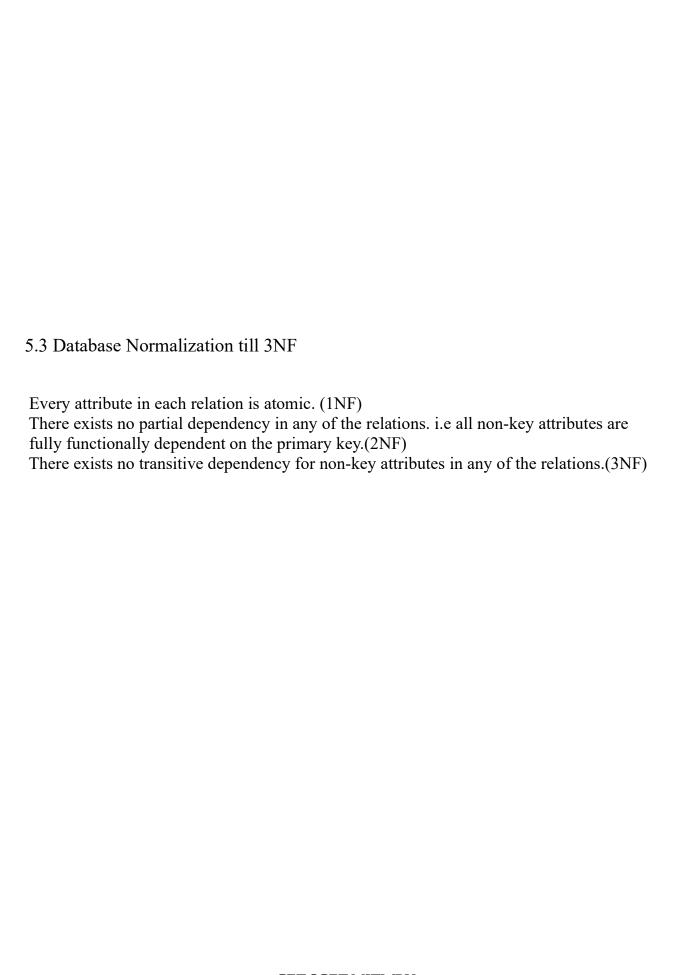
<u>stockId</u> drugName qty stock_status sLastUpdationDate

Pharmacist

<u>pharmacistId</u> username pwd

StockOrder

orderId stockId pharmacistId



6. MySQL CODE

Medical Store Management System

```
-- Schema web medicine tracker
______
DROP SCHEMA IF EXISTS 'web medicine tracker';
CREATE SCHEMA 'web medicine tracker';
USE 'web medicine tracker';
-- Table 'web medicine tracker'.'stock'
-- -----
CREATE TABLE IF NOT EXISTS 'web medicine tracker'.'stock' (
  'id' int NOT NULL AUTO INCREMENT,
 'drugName' varchar(45) DEFAULT NULL,
 'quantity' int DEFAULT NULL,
 'price' int DEFAULT NULL,
 'stock status' varchar(45) DEFAULT NULL,
 'sLastUpdationDate' date DEFAULT NULL,
PRIMARY KEY ('id')
ENGINE=InnoDB
AUTO INCREMENT = 1
DEFAULT CHARSET=latin1;
  -- Before Trigger on stock
_____
DELIMITER $$
DROP TRIGGER IF EXISTS 'updateStock'$$
CREATE TRIGGER updateStock
 BEFORE INSERT
 ON stock
FOR EACH ROW
BEGIN
set new.sLastUpdationDate = curdate();
END$$
DELIMITER;
 -----
-- Add sample data
-- -----
```

```
insert into stock (id,drugName,quantity,price,stock status)
values ('1','Paracetamol','100','10','Available');
insert into stock (id,drugName,quantity,price,stock status)
values ('2','Testimol','100','20','Available');
insert into stock (id,drugName,quantity,price,stock status)
values ('3', 'Sinarest', '100', '30', 'Available');
insert into stock (id,drugName,quantity,price,stock status)
values ('4','FebrexPlus','100','40','Available');
insert into stock (id,drugName,quantity,price,stock status)
values ('5', 'Crocin', '100', '50', 'Available');
-- Table 'web medicine tracker'.'pharmacist'
CREATE TABLE IF NOT EXISTS 'web medicine tracker'. 'pharmacist' (
  'id' int NOT NULL AUTO INCREMENT,
 'userName' varchar(45) DEFAULT NULL,
 'pwd' varchar(45) DEFAULT NULL,
 'isAdmin' boolean DEFAULT NULL,
 'pLastUpdationDate' date DEFAULT NULL,
 PRIMARY KEY ('id')
ENGINE=InnoDB
AUTO INCREMENT = 1
DEFAULT CHARSET=latin1;
-- Before Trigger on pharmacist
_____
DELIMITER $$
DROP TRIGGER IF EXISTS 'updatePharmacist'$$
CREATE TRIGGER updatePharmacist
  BEFORE INSERT
  ON pharmacist
FOR EACH ROW
set new.pLastUpdationDate = curdate();
END$$
DELIMITER;
-- Add sample data
insert into pharmacist (id,userName,pwd,isAdmin)
values ('1','admin','admin',true);
```

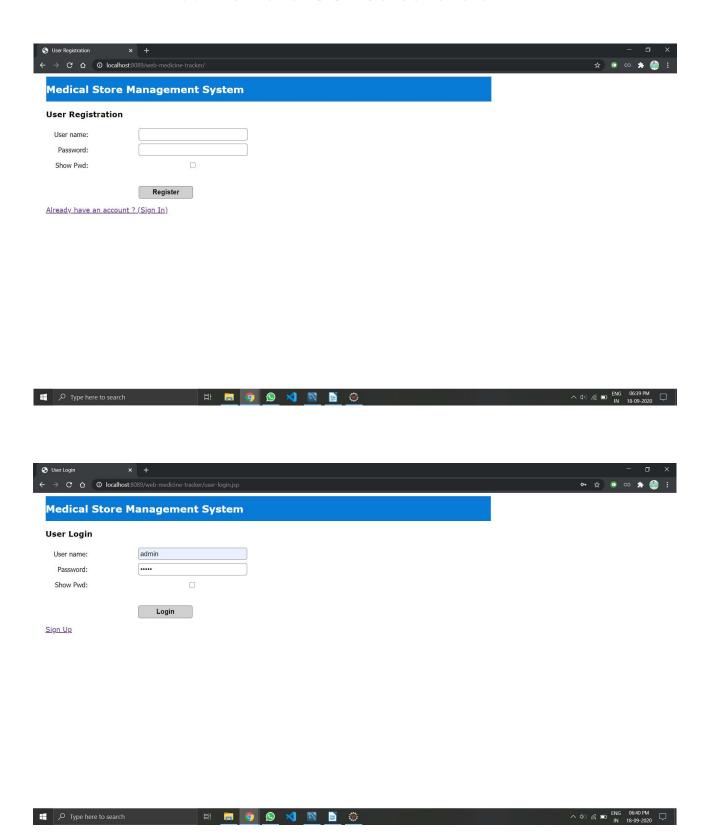
```
values ('2','Vishal','poo',false);
-- Table 'web medicine tracker'.'customer'
-- -----
CREATE TABLE IF NOT EXISTS 'web medicine tracker'.' customer' (
  'id' int NOT NULL AUTO INCREMENT,
 `firstName` varchar(45) DEFAULT NULL,
 'lastName' varchar(45) DEFAULT NULL,
 'address' varchar(45) DEFAULT NULL,
 'cLastUpdationDate' date DEFAULT NULL,
 PRIMARY KEY ('id')
)
ENGINE=InnoDB
AUTO INCREMENT = 1
DEFAULT CHARSET=latin1;
-- Before Trigger on customer
DELIMITER $$
DROP TRIGGER IF EXISTS 'updateCustomer'$$
CREATE TRIGGER updateCustomer
  BEFORE INSERT
  ON customer
FOR EACH ROW
BEGIN
set new.cLastUpdationDate = curdate();
END$$
DELIMITER;
-- Add sample data
-- -----
insert into customer (id,firstName,lastName,address)
values ('1','Vishal','Jagwani','Upnagar');
insert into customer (id,firstName,lastName,address)
values ('2', 'Poonam', 'Jagwani', 'Upnagar');
insert into customer (id,firstName,lastName,address)
values ('3','Renuka','Jagwani','Upnagar');
insert into customer (id,firstName,lastName,address)
values ('4','Dwarkadas','Jagwani','Upnagar');
```

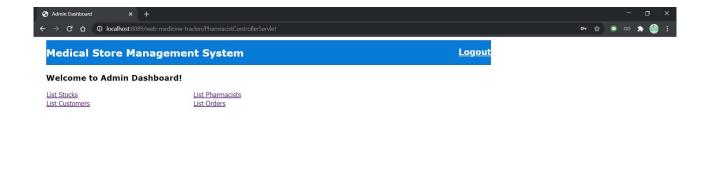
insert into pharmacist (id,userName,pwd,isAdmin)

```
insert into customer (id,firstName,lastName,address)
values ('5', 'Darshan', 'Guru', 'Ahmedabad');
-- Table 'web medicine tracker'.'orders'
CREATE TABLE IF NOT EXISTS 'web_medicine_tracker'.'orders' (
  'id' int NOT NULL AUTO INCREMENT,
 'orderDate' date DEFAULT NULL,
 'orderQty' int DEFAULT NULL,
 'orderTotal' int DEFAULT NULL,
 'customerId' int NOT NULL,
 'oLastUpdationDate' date DEFAULT NULL,
 PRIMARY KEY ('id'),
 FOREIGN KEY (customerId)
    REFERENCES customer(id)
    ON DELETE CASCADE
ENGINE=InnoDB
AUTO INCREMENT = 1
DEFAULT CHARSET=latin1;
-- Before Trigger on orders
_____
DELIMITER $$
DROP TRIGGER IF EXISTS 'updateOrders'$$
CREATE TRIGGER updateOrders
  BEFORE INSERT
  ON orders
FOR EACH ROW
set new.oLastUpdationDate = curdate();
END$$
DELIMITER;
-- Add sample data
```

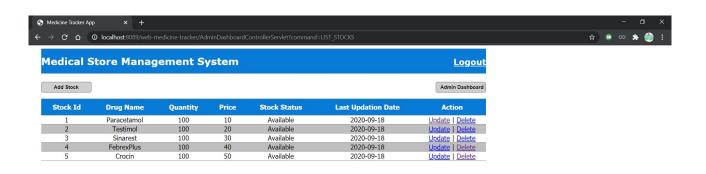
```
insert into orders (id,orderDate,orderQty,orderTotal,customerId)
values ('1','2020/09/06','2','100','1');
insert into orders (id,orderDate,orderQty,orderTotal,customerId)
values ('2','2020/09/06','2','100','2');
insert into orders (id,orderDate,orderQty,orderTotal,customerId)
values ('3','2020/09/06','2','100','3');
insert into orders (id,orderDate,orderQty,orderTotal,customerId)
values ('4','2020/09/06','2','100','3');
-- Table 'web medicine tracker'. 'stockorder'
CREATE TABLE IF NOT EXISTS 'web medicine tracker'. 'stockorder' (
 'orderId' int NOT NULL,
 'stockId' int NOT NULL,
 'pharmacistId' int NOT NULL,
 FOREIGN KEY (orderId)
    REFERENCES orders(id)
    ON DELETE CASCADE,
       FOREIGN KEY (stockId)
    REFERENCES stock(id)
    ON DELETE CASCADE,
      FOREIGN KEY (pharmacistId)
    REFERENCES pharmacist(id)
    ON DELETE CASCADE
)
ENGINE=InnoDB
AUTO INCREMENT = 1
DEFAULT CHARSET=latin1;
-- Add sample data
insert into stockorder (orderId, stockId, pharmacistId)
values ('1','5','2');
insert into stockorder (orderId, stockId, pharmacistId)
values ('2','5','2');
insert into stockorder (orderId, stockId, pharmacistId)
values ('3','5','2');
insert into stockorder (orderId, stockId, pharmacistId)
values ('4','5','2');
```

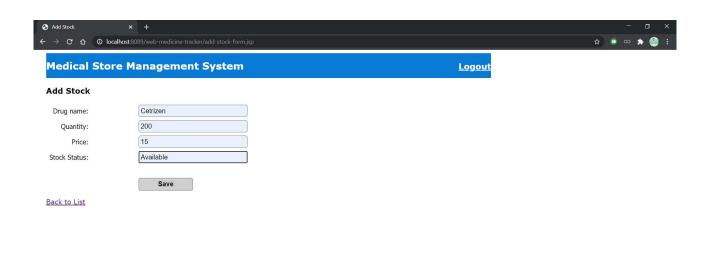
7. Frontend GUI Screenshots

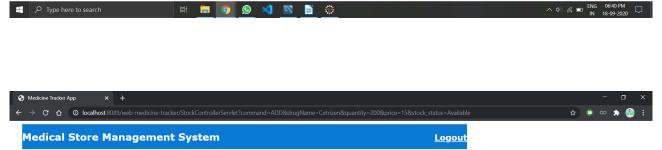






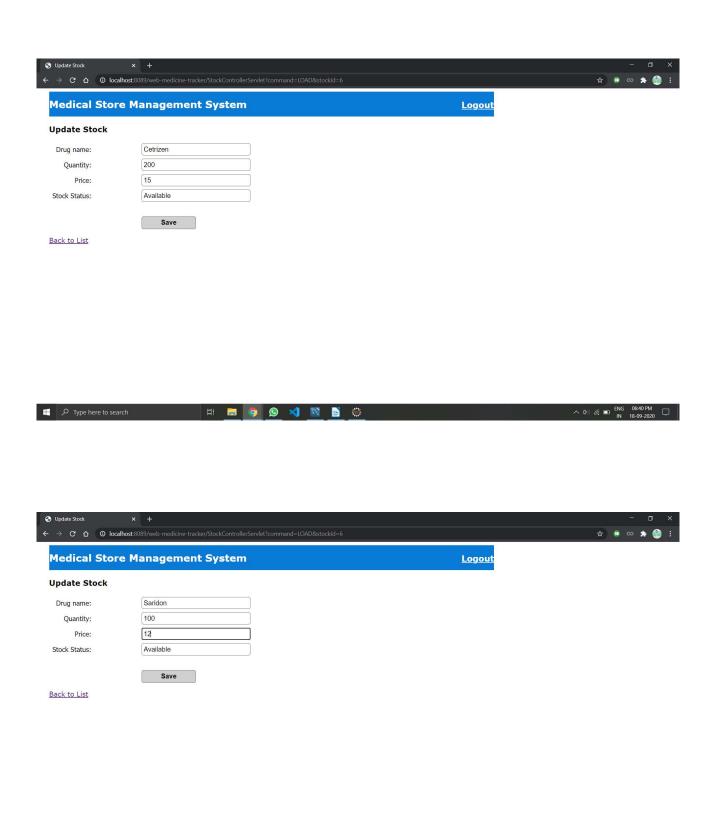




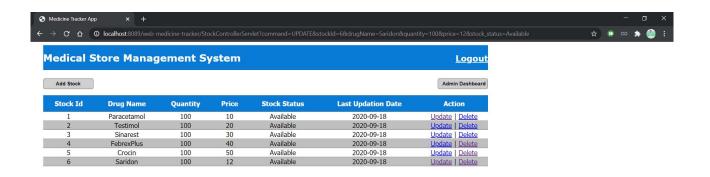




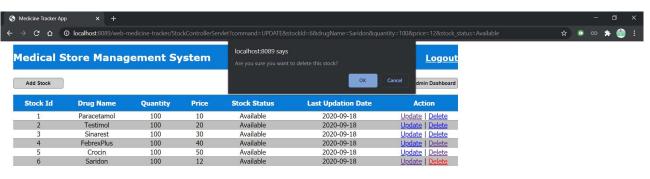




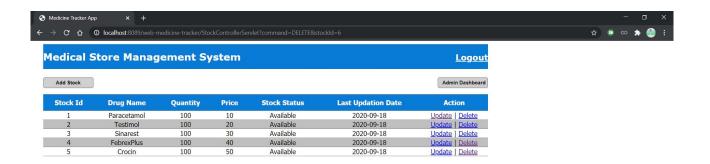
Type here to search

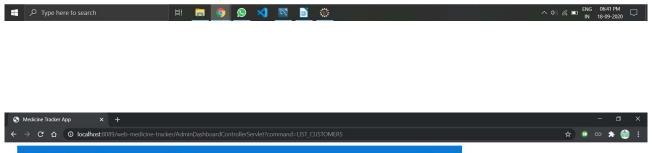


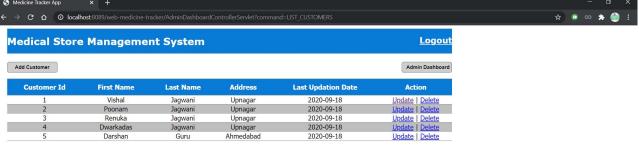




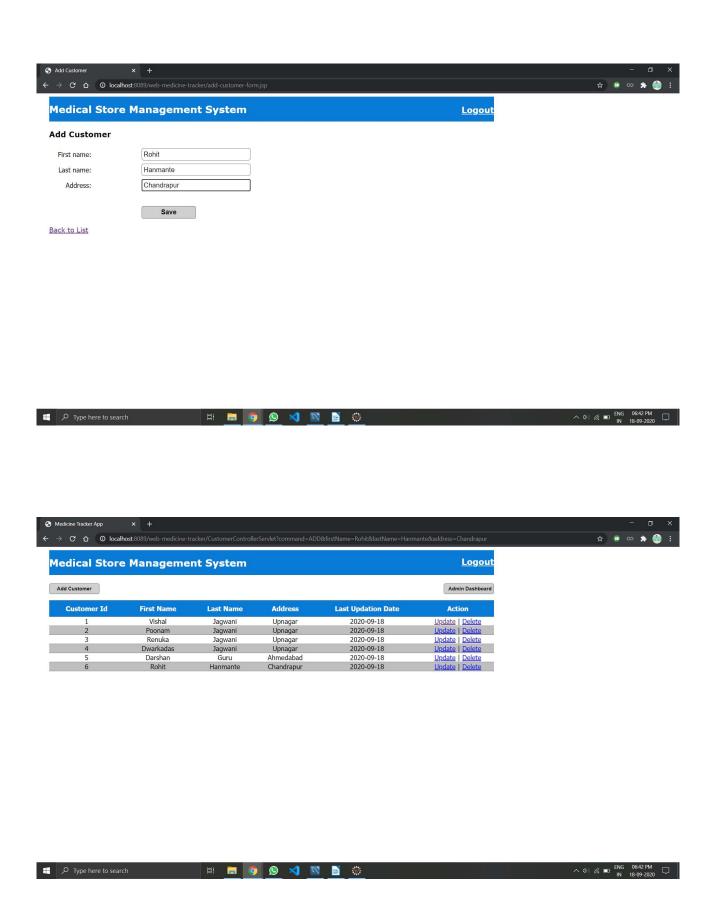


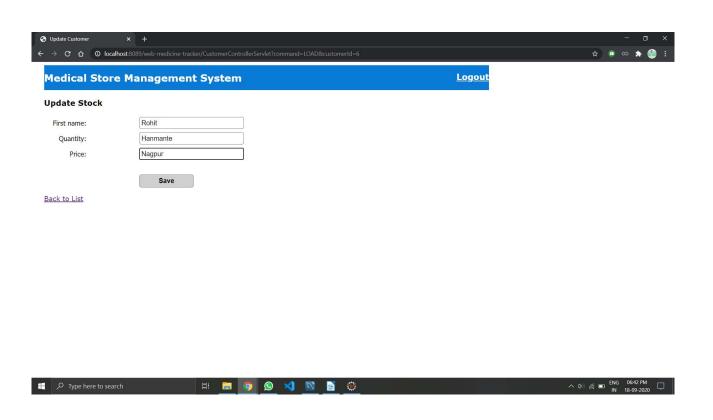


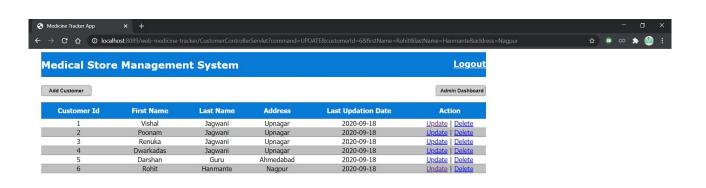


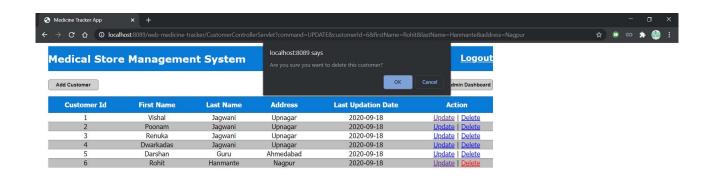




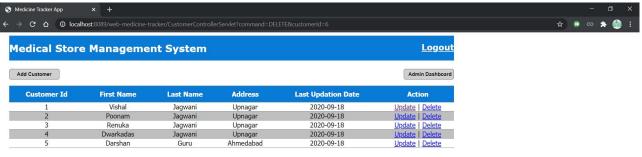


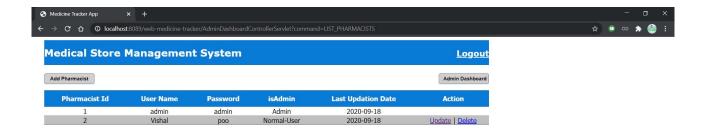


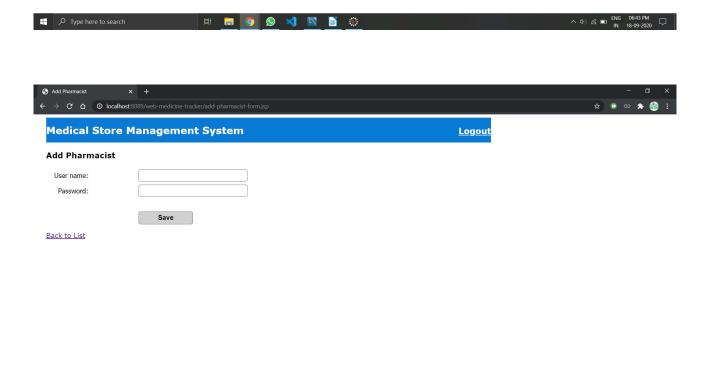






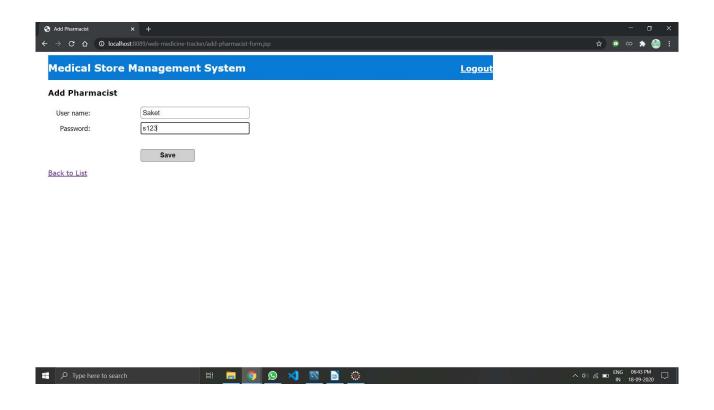


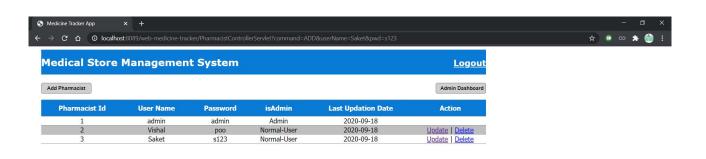




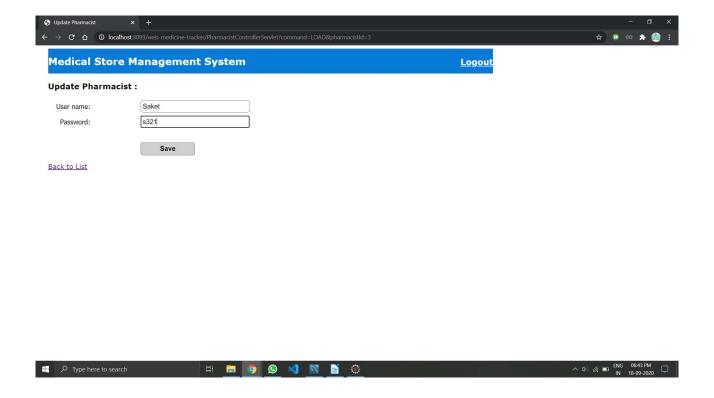
月 🛜 🧿 🛇 刘 🔯 🖹 🗇

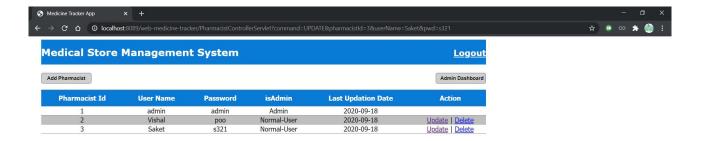
^ (1) (6 III) ENG 06:43 PM □ IN 18-09-2020 □



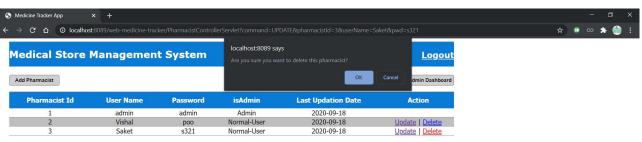




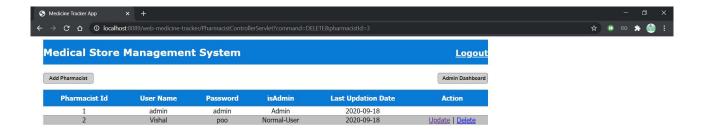




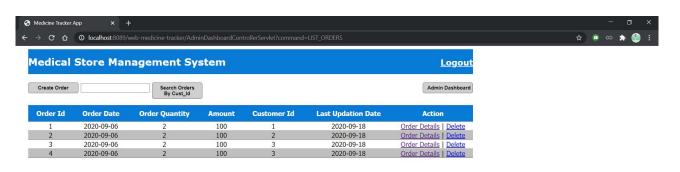




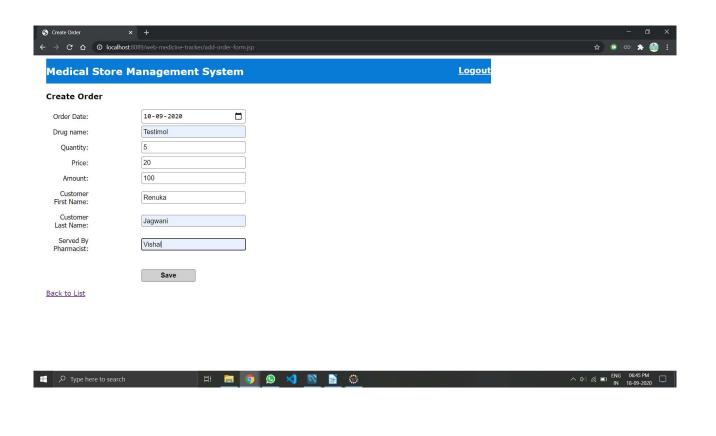


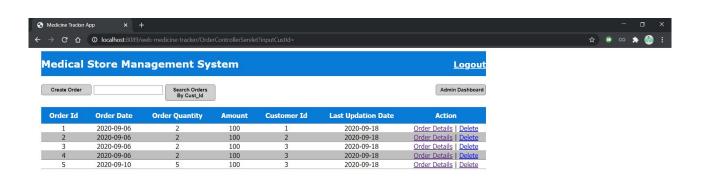




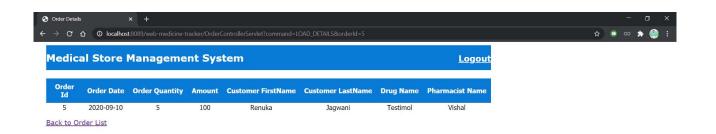


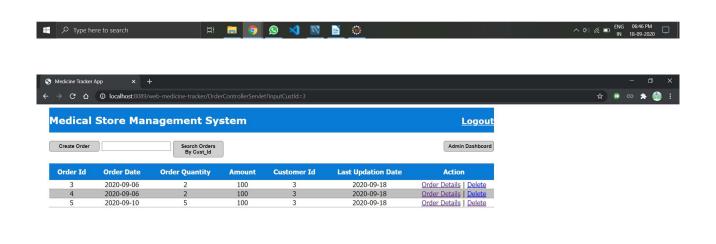


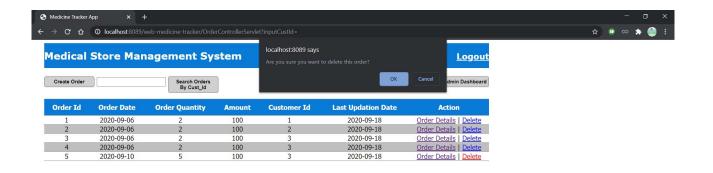




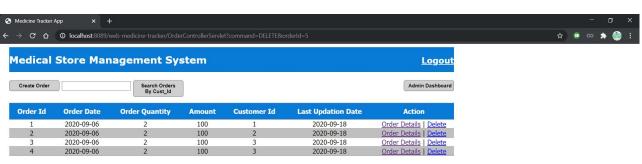




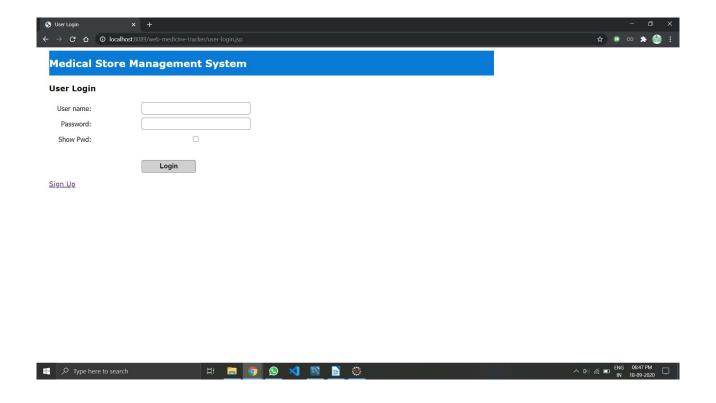












8. Conclusion

Thus, we have implemented the Management System for Medical Store for maintaining the records related to the stock and liquid flows. This system automates the existing system of manually maintained records of the counter sales, purchases and other related transactions made by the seller.

9. References

https://www.udemy.com/course/jsp-tutorial/ https://www.tutorialspoint.com/jsp/index.htm

http://www.new2html.com/tutorial/creating-cool-success-error-message-display-

using-css/