**Source code:**

**1.Database initiate code:**

import mysql.connector as msc

db =msc.connect(user="root",passwd="root",auth\_plugin='mysql\_native\_password')

cursor=db.cursor()

def initialize():

cursor.execute('CREATE DATABASE PHARMACY\_MANAGEMENT')

cursor.execute('USE PHARMACY\_MANAGEMENT')

cursor.execute('CREATE TABLE OWNER(OWNER\_ID INT(10) PRIMARY KEY,PASSWORD VARCHAR(15))')

cursor.execute('CREATE TABLE EMPLOYEE(F\_NAME VARCHAR(10) NOT NULL, L\_NAME VARCHAR(10), EMP\_ID INT PRIMARY KEY, EMAIL VARCHAR(20), PHONE BIGINT(10), DOB VARCHAR(10))')

cursor.execute('CREATE TABLE DRUG(D\_ID INT NOT NULL, D\_NAME VARCHAR(50) NOT NULL, SUPPLIER VARCHAR(50) NOT NULL, MANUFACTURER VARCHAR(50) NOT NULL,USES VARCHAR(50) NOT NULL, SIDE\_EFFECT VARCHAR(50) NOT NULL)')

cursor.execute('CREATE TABLE REQUIREMENT(D\_ID INT NOT NULL,D\_NAME VARCHAR(50) NOT NULL, QUANTITY INT NOT NULL, COST FLOAT NOT NULL, SUPPLIER VARCHAR(100) NOT NULL, MANUFACTURER VARCHAR(100) NOT NULL)')

cursor.execute('CREATE TABLE PRESCRIPTION(EMP\_ID INT NOT NULL,PRES\_ID INT NOT NULL, QUANTITY INT NOT NULL, DOSE INT NOT NULL,D\_ID INT NOT NULL,D\_NAME VARCHAR(50) NOT NULL, P\_NAME VARCHAR(100) NOT NULL,PRES\_DATE VARCHAR(10) NOT NULL, P\_AGE INT NOT NULL,P\_PHONE BIGINT(10) NOT NULL)')

cursor.execute('CREATE TABLE INVOICE(EMP\_ID INT NOT NULL,PRES\_ID INT NOT NULL, QUANTITY INT NOT NULL, DOSE INT NOT NULL,D\_ID INT NOT NULL,D\_NAME VARCHAR(50) NOT NULL, P\_NAME VARCHAR(100) NOT NULL,PRES\_DATE VARCHAR(10) NOT NULL, P\_AGE INT NOT NULL,P\_PHONE BIGINT(10) NOT NULL,PRICE FLOAT NOT NULL)')

cursor.execute('CREATE TABLE STOCK(D\_ID INT NOT NULL,D\_NAME VARCHAR(50) NOT NULL, QUANTITY INT NOT NULL, COST FLOAT NOT NULL, SUPPLIER VARCHAR(100) NOT NULL, MANUFACTURER VARCHAR(100) NOT NULL)')

db.commit()

initialize()

**Execution code:**

from flask import Flask, render\_template,request, redirect

import mysql.connector as msc

db= msc.connect(user="root",passwd="root",auth\_plugin='mysql\_native\_password')

cursor=db.cursor(buffered=True)

cursor.execute("USE PHARMACY\_MANAGEMENT")

app=Flask(\_\_name\_\_)

@app.route('/', methods=['POST','GET'])

def login():

if request.method == 'POST':

uid=request.form['username']

pwd=request.form['password']

try:

cursor.execute('SELECT \* FROM OWNER WHERE OWNER\_ID=\'%s\''%uid)

c=0

for t in cursor

c+=1;

if c!=0:

return redirect('/owner')

else:

cursor.execute('SELECT \* FROM EMPLOYEE WHERE EMP\_ID=\'%s\''%uid)

c=0

for t in cursor:

c+=1

if c!=0:

return redirect('/employee')

else:

return redirect('/')

except:

return redirect('/')

else:

return render\_template('login.html')

@app.route('/owner',methods=['POST','GET'])

def owner():

return render\_template('owner.html')

@app.route('/employee',methods=['POST','GET'])

def employee():

return render\_template('employee.html')

@app.route('/addemp',methods=['POST','GET'])

def addemp():

if request.method == 'POST':

fname=request.form['fname']

lname=request.form['lname']

eid=request.form['eid']

mail=request.form['mail']

ph=request.form['ph']

dob=request.form['dob']

cursor.execute(r"INSERT INTO EMPLOYEE VALUES('%s','%s',%s,'%s','%s','%s')"%(fname,lname,eid,mail,ph,dob))

db.commit()

return redirect('/empo')

else:

return render\_template('addemployee.html')

@app.route('/empo',methods=['POST','GET'])

def empo():

cursor.execute('SELECT \* FROM EMPLOYEE')

tasks=cursor.fetchall()

return render\_template('viewemployeeo.html',tasks=tasks)

@app.route('/delempo/<int:eid>', methods=['POST', 'GET'])

def delempo(eid):

cursor.execute(r"DELETE FROM EMPLOYEE WHERE EMP\_ID=%d" % (eid))

db.commit()

return redirect('/empo')

@app.route('/upempo/<int:eid>',methods=['POST','GET'])

def upempo(eid):

cursor.execute('SELECT \* FROM EMPLOYEE WHERE EMP\_ID=%d' % eid)

tasks = cursor.fetchone()

if request.method == 'POST':

fname=request.form['fname']

lname=request.form['lname']

mail=request.form['mail']

ph=request.form['ph']

dob=request.form['dob']

cursor.execute(r"UPDATE EMPLOYEE SET F\_NAME='%s',L\_NAME='%s',EMAIL='%s',PHONE='%s',DOB='%s' WHERE EMP\_ID='%s'" %(fname,lname,mail,ph,dob,eid))

db.commit()

return redirect("/empo")

else:

return render\_template('upemployee.html',tasks = tasks)

@app.route('/requiremento',methods=['POST','GET'])

def requiremento():

cursor.execute('SELECT \* FROM REQUIREMENT')

tasks = cursor.fetchall()

return render\_template('requiremento.html',tasks=tasks)

@app.route('/addrequiremento',methods=['POST','GET'])

def addrequiremento():

if request.method == 'POST':

did = request.form['did']

dname=request.form['dname']

quantity=request.form['quantity']

cost=request.form['cost']

sup=request.form['sup']

manu = request.form['manu']

if(check\_did(did)):

sentence = 'Drug detail not available. Please add drug details and complete this process'

return render\_template('addrequiremento.html',sentence = sentence)

if(check\_did\_available(did)):

sentence = 'Still stock is available. Raise new request for after completion exciting stock'

return render\_template('addrequiremento.html',sentence = sentence)

cursor.execute(r"INSERT INTO REQUIREMENT (D\_ID,D\_NAME,QUANTITY,COST,SUPPLIER,MANUFACTURER) VALUES('%s','%s','%s','%s','%s','%s')"%(did,dname,quantity,cost,sup,manu))

db.commit()

return redirect('/requiremento')

else:

return render\_template('addrequiremento.html')

@app.route('/uprequiremento/<int:did>',methods=['POST','GET'])

def uprequiremento(did):

cursor.execute('SELECT \* FROM REQUIREMENT WHERE D\_ID=%d' % did)

tasks = cursor.fetchone()

if request.method == 'POST':

quantity=request.form['quantity']

sup=request.form['sup']

manu = request.form['manu']

cursor.execute(r"UPDATE REQUIREMENT SET QUANTITY='%s',SUPPLIER='%s',MANUFACTURER='%s' WHERE D\_ID = '%s'"%(quantity,sup,manu,did))

db.commit()

return redirect('/requiremento')

else:

return render\_template('uprequiremento.html',tasks = tasks)

@app.route('/upstocka/<float:cost>',methods=['POST','GET'])

def upstocka(cost):

cursor.execute('SELECT \* FROM STOCK WHERE COST=%d' % cost)

tasks = cursor.fetchone()

if request.method == 'POST':

num=request.form['quantity']

cursor.execute(r"UPDATE STOCK SET QUANTITY = %s WHERE COST = %f"%(num,cost))

db.commit()

return redirect('/stocka')

else:

return render\_template('upstocka.html', tasks=tasks)

@app.route('/delrequiremento/<int:did>',methods=['POST','GET'])

def delrequiremento(did):

cursor.execute(r"DELETE FROM REQUIREMENT WHERE D\_ID=%d"%(did))

db.commit()

return redirect('/requiremento')

@app.route('/costupdate/<int:did>',methods=['POST','GET'])

def costupdate(did):

cursor.execute('SELECT \* FROM REQUIREMENT WHERE D\_ID=%d' % did)

tasks = cursor.fetchone()

if request.method == 'POST':

num=request.form['cost']

#print(num)

cursor.execute(r"UPDATE REQUIREMENT SET COST = %s WHERE D\_ID = %d"%(num,did))

db.commit()

return redirect('/requiremento')

else:

return render\_template('costupdate.html',tasks = tasks)

@app.route('/stockreceived/<int:did>',methods=['POST','GET'])

def stockreceived(did):

cursor.execute(r"SELECT \* FROM REQUIREMENT WHERE D\_ID=%d"%(did))

tasks = cursor.fetchone()

did = tasks[0]

dname= tasks[1]

quantity= tasks[2]

cost=tasks[3]

sup=tasks[4]

manu = tasks[5]

cursor.execute(r"INSERT INTO STOCK (D\_ID,D\_NAME,QUANTITY,COST,SUPPLIER,MANUFACTURER) VALUES('%s','%s','%s','%s','%s','%s')"%(did,dname,quantity,cost,sup,manu))

cursor.execute(r"DELETE FROM REQUIREMENT WHERE D\_ID=%d"%(did))

db.commit()

return redirect('/requiremento')

@app.route('/requiremente',methods=['POST','GET'])

def requiremente():

cursor.execute('SELECT \* FROM REQUIREMENT')

tasks = cursor.fetchall()

return render\_template('requiremente.html',tasks=tasks)

@app.route('/addrequiremente',methods=['POST','GET'])

def addrequiremente():

if request.method == 'POST':

did = request.form['did']

dname=request.form['dname']

quantity=request.form['quantity']

cost=request.form['cost']

sup=request.form['sup']

manu = request.form['manu']

if(check\_did(did)):

sentence = 'Drug detail not available. Please add drug details and complete this process'

return render\_template('addrequiremente.html',sentence = sentence)

if(check\_did\_available(did)):

sentence = 'Still stock is available. Raise new request for after completion exciting stock'

return render\_template('addrequiremente.html',sentence = sentence)

cursor.execute(r"INSERT INTO REQUIREMENT (D\_ID,D\_NAME,QUANTITY,COST,SUPPLIER,MANUFACTURER) VALUES('%s','%s','%s','%s','%s','%s')"%(did,dname,quantity,cost,sup,manu))

db.commit()

return redirect('/requiremente')

else:

return render\_template('addrequiremente.html')

@app.route('/uprequiremente/<int:did>',methods=['POST','GET'])

def uprequiremente(did):

cursor.execute('SELECT \* FROM REQUIREMENT WHERE D\_ID=%d' % did)

tasks = cursor.fetchone()

if request.method == 'POST':

quantity=request.form['quantity']

sup=request.form['sup']

manu = request.form['manu']

cursor.execute(r"UPDATE REQUIREMENT SET QUANTITY='%s',SUPPLIER='%s',MANUFACTURER='%s' WHERE D\_ID = '%s'"%(quantity,sup,manu,did))

db.commit()

return redirect('/requiremente')

else:

return render\_template('uprequiremente.html',tasks = tasks)

@app.route('/delrequiremente/<int:did>',methods=['POST','GET'])

def delrequiremente(did):

cursor.execute(r"DELETE FROM REQUIREMENT WHERE D\_ID=%d"%(did))

db.commit()

return redirect('/requiremente')

@app.route('/stocke',methods=['POST','GET'])

def stocke():

cursor.execute('SELECT \* FROM STOCK')

tasks = cursor.fetchall()

return render\_template('stocke.html', tasks=tasks)

@app.route('/stocko',methods=['POST','GET'])

def stocko():

cursor.execute('SELECT \* FROM STOCK')

tasks = cursor.fetchall()

return render\_template('stocko.html',tasks=tasks)

@app.route('/updatestock/<int:did>',methods=['POST','GET'])

def updatestock(did):

cursor.execute('SELECT \* FROM STOCK WHERE D\_ID=%d' % did)

tasks = cursor.fetchone()

if request.method == 'POST':

quantity=request.form['quantity']

sup=request.form['sup']

manu = request.form['manu']

cursor.execute(r"UPDATE STOCK SET QUANTITY='%s',SUPPLIER='%s',MANUFACTURER='%s' WHERE D\_ID = '%s'"%(quantity,sup,manu,did))

db.commit()

return redirect('/stocko')

else:

return render\_template('updatestock.html',tasks = tasks)

@app.route('/delstock/<int:did>',methods=['POST','GET'])

def delstock(did):

cursor.execute(r"DELETE FROM STOCK WHERE D\_ID=%d"%(did))

db.commit()

return redirect('/stocko')

@app.route('/costupdatestock/<int:did>',methods=['POST','GET'])

def costupdatestock(did):

cursor.execute('SELECT \* FROM STOCK WHERE D\_ID=%d' % did)

tasks = cursor.fetchone()

if request.method == 'POST':

num=request.form['cost']

#print(num)

cursor.execute(r"UPDATE STOCK SET COST = %s WHERE D\_ID = %d"%(num,did))

db.commit()

return redirect('/stocko')

else:

return render\_template('costupdatestock.html',tasks = tasks)

@app.route('/addstock',methods=['POST','GET'])

def addstock():

if request.method == 'POST':

dname=request.form['dname']

quantity=request.form['quantity']

cost=request.form['cost']

sup=request.form['sup']

cursor.execute(r"INSERT INTO STOCK VALUES('%s',%s,%s,'%s')"%(dname,quantity,cost,sup))

db.commit()

return redirect('/stocko')

else:

return render\_template('addstock.html')

@app.route('/prescripo',methods=['POST','GET'])

def prescripo():

if request.method == 'POST':

pname = request.form['Patient Name']

page = request.form['Patient Age']

pphone = request.form['Patient Phone']

eid = request.form['Employee id']

pid = request.form['Prescription id']

dna = request.form['Drug Name']

quantity = request.form['Quantity']

dose = request.form['Dose']

did = request.form['Drug ID']

date = request.form['Date']

print(eid,did)

if(check\_did(did)):

sentence = 'Drug detail not available. Please add drug details and complete this process'

return render\_template('prescripo.html',sentence = sentence)

if(check\_eid(eid)):

sentence = 'Employee detail not available. Please add employee details and complete this process'

return render\_template('prescripo.html',sentence = sentence)

if(check\_quantity(quantity,did)):

sentence = 'Required quantity not available. Please order for requirement details and complete this process'

return render\_template('prescripo.html',sentence = sentence)

cursor.execute("SELECT \* FROM STOCK where D\_ID = '%s'" % (did))

tasks=cursor.fetchone()

price = tasks[3]\*int(quantity)

cursor.execute("INSERT INTO PRESCRIPTION VALUES('%s','%s','%s','%s','%s','%s','%s','%s','%s','%s')" % (eid,pid, quantity, dose, did,dna,pname,date,page,pphone))

cursor.execute("INSERT INTO INVOICE VALUES('%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s')" % (eid,pid, quantity, dose, did,dna,pname,date,page,pphone,price))

cursor.execute(r"UPDATE STOCK SET QUANTITY=QUANTITY-'%s' WHERE D\_ID='%s'"%(quantity,did))

db.commit()

return redirect("/invo")

else:

return render\_template('prescripo.html')

@app.route('/prescripe',methods=['POST','GET'])

def prescripe():

if request.method == 'POST':

pname = request.form['Patient Name']

page = request.form['Patient Age']

pphone = request.form['Patient Phone']

eid = request.form['Employee id']

pid = request.form['Prescription id']

dna = request.form['Drug Name']

quantity = request.form['Quantity']

dose = request.form['Dose']

did = request.form['Drug ID']

date = request.form['Date']

if(check\_did(did)):

sentence = 'Drug detail not available. Please add drug details and complete this process'

return render\_template('prescripe.html',sentence = sentence)

if(check\_eid(eid)):

sentence = 'Employee detail not available. Please add employee details and complete this process'

return render\_template('prescripe.html',sentence = sentence)

if(check\_quantity(quantity,did)):

sentence = 'Required quantity not available. Please order for requirment details and complete this process'

return render\_template('prescripe.html',sentence = sentence)

cursor.execute("SELECT \* FROM STOCK where D\_ID = '%s'" % (did))

tasks=cursor.fetchone()

price = tasks[3]\*int(quantity)

cursor.execute("INSERT INTO PRESCRIPTION VALUES('%s','%s','%s','%s','%s','%s','%s','%s','%s','%s')" % (eid,pid, quantity, dose, did,dna,pname,date,page,pphone))

cursor.execute("INSERT INTO INVOICE VALUES('%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s')" % (eid,pid, quantity, dose, did,dna,pname,date,page,pphone,price))

cursor.execute(r"UPDATE STOCK SET QUANTITY=QUANTITY-'%s' WHERE D\_ID='%s'"%(quantity,did))

db.commit()

return redirect("/inve")

else:

return render\_template('prescripe.html',sentence = '')

def check\_did(did):

test = True

cursor.execute('SELECT \* FROM DRUG WHERE D\_ID=%d' % int(did))

c=0

for t in cursor:

c+=1;

if c!=0:

test = False

return test

def check\_eid(eid):

test = True

cursor.execute('SELECT \* FROM EMPLOYEE WHERE EMP\_ID=%d' % int(eid))

c=0

for t in cursor:

c+=1;

if c!=0:

test = False

return test

def check\_quantity(quantity,did):

test = False

cursor.execute('SELECT \* FROM STOCK WHERE D\_ID=%d' % int(did))

tasks = cursor.fetchone()

if((int(tasks[2])-int(quantity)) < 0):

test = True

return test

def check\_did\_available(did):

test = False

cursor.execute('SELECT \* FROM STOCK WHERE D\_ID=%d' % int(did))

c=0

for t in cursor:

c+=1;

if c!=0:

test = True

return test

@app.route('/invo',methods=['POST','GET'])

def invo():

cursor.execute('SELECT \* FROM INVOICE')

tasks=cursor.fetchall()

return render\_template('invo.html',tasks=tasks)

@app.route('/inve',methods=['POST','GET'])

def inve():

cursor.execute('SELECT \* FROM INVOICE')

tasks = cursor.fetchall()

return render\_template('inve.html', tasks=tasks)

@app.route('/viewdrugo',methods=['POST','GET'])

def viewdrugo():

cursor.execute('SELECT \* FROM DRUG')

tasks=cursor.fetchall()

return render\_template('viewdrugo.html',tasks=tasks)

@app.route('/viewdruge',methods=['POST','GET'])

def viewdruge():

cursor.execute('SELECT \* FROM DRUG')

tasks = cursor.fetchall()

return render\_template('viewdruge.html', tasks=tasks)

@app.route('/adddrugo',methods=['POST','GET'])

def adddrugo():

if request.method == 'POST':

did = request.form['did']

dname=request.form['dname']

sup=request.form['sup']

manu = request.form['manu']

uses = request.form['uses']

side = request.form['side']

cursor.execute(r"INSERT INTO DRUG (D\_ID,D\_NAME,SUPPLIER,MANUFACTURER,USES,SIDE\_EFFECT) VALUES('%s','%s','%s','%s','%s','%s')"%(did,dname,sup,manu,uses,side))

db.commit()

return redirect('/viewdrugo')

else:

return render\_template('adddrugo.html')

@app.route('/updrugo/<int:did>',methods=['POST','GET'])

def updrugo(did):

cursor.execute('SELECT \* FROM DRUG WHERE D\_ID=%d' % did)

tasks = cursor.fetchone()

if request.method == 'POST':

sup=request.form['sup']

manu = request.form['manu']

uses = request.form['uses']

side = request.form['side']

cursor.execute(r"UPDATE DRUG SET USES='%s',SUPPLIER='%s',MANUFACTURER='%s',SIDE\_EFFECT='%s' WHERE D\_ID = '%s'"%(uses,sup,manu,side,did))

db.commit()

return redirect('/viewdrugo')

else:

return render\_template('updrugo.html',tasks = tasks)

@app.route('/deldrugo/<int:did>',methods=['POST','GET'])

def deldrugo(did):

cursor.execute(r"DELETE FROM DRUG WHERE D\_ID=%d"%(did))

db.commit()

return redirect('/viewdrugo')

if \_\_name\_\_== '\_\_main\_\_':

app.run(debug=True)