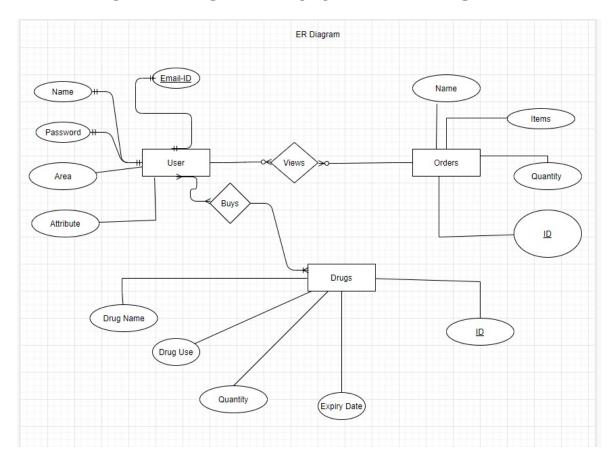


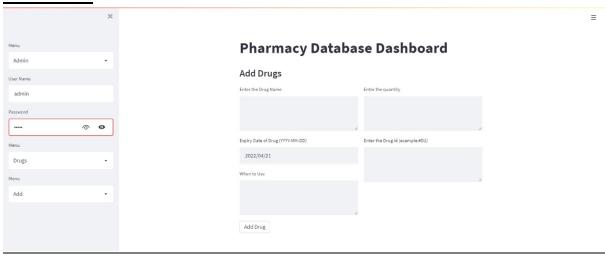
#### **TEAM MEMBERS:-**

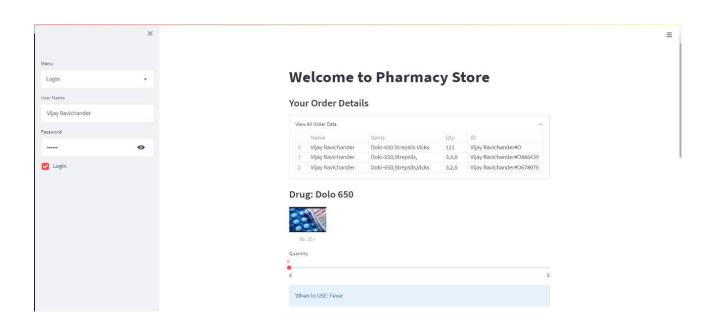
| NISCHITH S     | 4NI22CS259 |
|----------------|------------|
| ROHAN P N      | 4NI22CS257 |
| SUHAS B H      | 4NI23CS220 |
| SUHAS B M      | 4NI22CS221 |
| THANMAN Mahesh | 4NI22CS236 |
| VISWAS H T     | 4NI23CS248 |

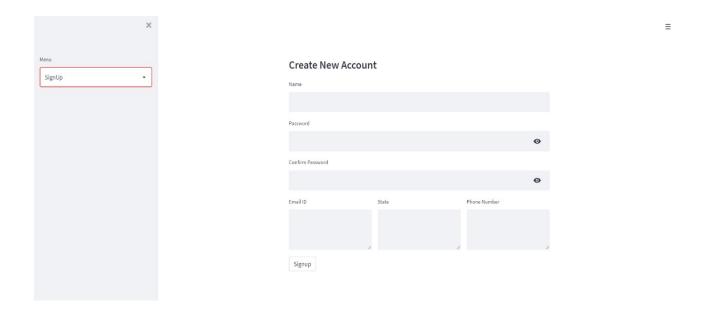
# PHARMACY MANAGEMENT SYSTEM:-ER DIAGRAM



# **OUTPUT:**







# **PYTHON CODE:-**

```
import streamlit as st
import pandas as pd
from PIL import Image
#from drug_db import *
import random
## SQL DATABASE CODE
import sqlite3
conn = sqlite3.connect("drug data.db",check same thread=False)
c = conn.cursor()
def cust_create_table():
  c.execute(""CREATE TABLE IF NOT EXISTS Customers(
          C_Name VARCHAR(50) NOT NULL,
          C_Password VARCHAR(50) NOT NULL,
          C Email VARCHAR(50) PRIMARY KEY NOT NULL,
          C_State VARCHAR(50) NOT NULL,
          C_Number VARCHAR(50) NOT NULL
          )''')
  print('Customer Table create Successfully')
```

```
def customer add data(Cname, Cpass, Cemail, Cstate, Cnumber):
  c.execute("INSERT INTO Customers (C Name, C Password, C Email, C State,
C_Number) VALUES(?,?,?,?)", (Cname,Cpass, Cemail, Cstate,Cnumber))
  conn.commit()
def customer_view_all_data():
  c.execute('SELECT * FROM Customers')
  customer data = c.fetchall()
  return customer_data
def customer_update(Cemail,Cnumber):
  c.execute("' UPDATE Customers SET C Number = ? WHERE C Email = ?"",
(Cnumber, Cemail,))
  conn.commit()
  print("Updating")
def customer_delete(Cemail):
  c.execute("DELETE FROM Customers WHERE C Email = ?", (Cemail,))
  conn.commit()
def drug update(Duse, Did):
 c.execute("" UPDATE Drugs SET D Use = ? WHERE D id = ?"", (Duse,Did))
  conn.commit()
def drug delete(Did):
  c.execute("DELETE FROM Drugs WHERE D id = ?", (Did,))
  conn.commit()
def drug_create_table():
  c.execute("CREATE TABLE IF NOT EXISTS Drugs(
```

```
D Name VARCHAR(50) NOT NULL,
        D ExpDate DATE NOT NULL,
        D Use VARCHAR(50) NOT NULL,
        D_Qty INT NOT NULL,
        D id INT PRIMARY KEY NOT NULL)
        "")
  print('DRUG Table create Successfully')
def drug_add_data(Dname, Dexpdate, Duse, Dqty, Did):
  c.execute("'INSERT INTO Drugs (D_Name, D_Expdate, D_Use, D_Qty, D_id)
VALUES(?,?,?,?)", (Dname, Dexpdate, Duse, Dqty, Did))
  conn.commit()
def drug_view_all_data():
 c.execute('SELECT * FROM Drugs')
  drug_data = c.fetchall()
  return drug_data
def order create table():
  c.execute(""
    CREATE TABLE IF NOT EXISTS Orders(
        O Name VARCHAR(100) NOT NULL,
        O_Items VARCHAR(100) NOT NULL,
        O_Qty VARCHAR(100) NOT NULL,
        O_id VARCHAR(100) PRIMARY KEY NOT NULL)
  "")
```

```
def order_delete(Oid):
 c.execute('DELETE FROM Orders WHERE O_id = ?', (Oid,))
 conn.commit()
def order_add_data(O_Name,O_Items,O_Qty,O_id):
  c.execute("'INSERT INTO Orders (O_Name, O_Items,O_Qty, O_id)
VALUES(?,?,?,?)"',
       (O_Name,O_Items,O_Qty,O_id))
  conn.commit()
def order_view_data(customername):
 c.execute('SELECT * FROM ORDERS Where O_Name == ?',(customername,))
 order_data = c.fetchall()
  return order data
def order_view_all_data():
 c.execute('SELECT * FROM Orders')
 order all data = c.fetchall()
  return order_all_data
```

#\_\_\_\_\_

```
def admin():
  st.title("Pharmacy Database Dashboard")
  menu = ["Drugs", "Customers", "Orders", "About"]
  choice = st.sidebar.selectbox("Menu", menu)
  ## DRUGS
  if choice == "Drugs":
    menu = ["Add", "View", "Update", "Delete"]
    choice = st.sidebar.selectbox("Menu", menu)
    if choice == "Add":
      st.subheader("Add Drugs")
      col1, col2 = st.columns(2)
      with col1:
        drug_name = st.text_area("Enter the Drug Name")
        drug_expiry = st.date_input("Expiry Date of Drug (YYYY-MM-DD)")
        drug_mainuse = st.text_area("When to Use")
```

```
with col2:
        drug quantity = st.text area("Enter the quantity")
        drug id = st.text area("Enter the Drug id (example:#D1)")
      if st.button("Add Drug"):
        drug_add_data(drug_name,drug_expiry,drug_mainuse,drug_quantity,
drug_id)
        st.success("Successfully Added Data")
    if choice == "View":
      st.subheader("Drug Details")
      drug result = drug view all data()
      #st.write(drug result)
      with st.expander("View All Drug Data"):
        drug clean df = pd.DataFrame(drug result, columns=["Name",
"Expiry Date", "Use", "Quantity", "ID"])
        st.dataframe(drug clean df)
      with st.expander("View Drug Quantity"):
        drug_name_quantity_df = drug_clean_df[['Name','Quantity']]
        #drug_name_quantity_df = drug_name_quantity_df.reset index()
        st.dataframe(drug name quantity df)
    if choice == 'Update':
      st.subheader("Update Drug Details")
      d id = st.text area("Drug ID")
      d use = st.text area("Drug Use")
      if st.button(label='Update'):
        drug_update(d_use,d_id)
```

```
if choice == 'Delete':
      st.subheader("Delete Drugs")
      did = st.text area("Drug ID")
      if st.button(label="Delete"):
        drug delete(did)
  ## CUSTOMERS
  elif choice == "Customers":
    menu = ["View", "Update", "Delete"]
    choice = st.sidebar.selectbox("Menu", menu)
    if choice == "View":
      st.subheader("Customer Details")
      cust result = customer view all data()
      #st.write(cust_result)
      with st.expander("View All Customer Data"):
        cust clean df = pd.DataFrame(cust result, columns=["Name",
"Password", "Email-ID", "Area", "Number"])
        st.dataframe(cust_clean_df)
    if choice == 'Update':
      st.subheader("Update Customer Details")
      cust email = st.text area("Email")
      cust_number = st.text_area("Phone Number")
      if st.button(label='Update'):
        customer_update(cust_email,cust_number)
```

```
if choice == 'Delete':
      st.subheader("Delete Customer")
      cust_email = st.text_area("Email")
      if st.button(label="Delete"):
        customer delete(cust email)
  elif choice == "Orders":
    order menu = ["View", "Delete"]
    order_choice = st.sidebar.selectbox("Order Actions", order_menu)
    # Set session state flag for order deletion tracking
    if 'order_deleted' not in st.session_state:
      st.session_state.order_deleted = False
    if order choice == "View":
      st.subheader("Order Details")
      # If an order was recently deleted, refresh data
      if st.session state.order deleted:
        order_result = order_view_all_data() # Re-fetch the latest order data
        st.session_state.order_deleted = False # Reset the deletion flag
      else:
        order_result = order_view_all_data() # Load order data if no recent
deletion
```

```
# Display the updated order data
      with st.expander("View All Order Data"):
        order clean df = pd.DataFrame(order result, columns=["Name",
"Items", "Qty", "ID"])
        st.dataframe(order clean df)
    elif order choice == "Delete":
      st.subheader("Delete an Order")
      order_id = st.text_input("Enter Order ID to delete")
      if st.button("Delete Order"):
        order_delete(order_id)
        st.success(f"Order with ID '{order id}' has been deleted successfully.")
        # Set the deletion flag to true to refresh "View" on next load
        st.session state.order deleted = True
  elif choice == "About":
    st.subheader("DBMS Mini Project")
    st.subheader("By")
    st.subheader("Nischith S (259)")
    st.subheader("Suhas B M (221)")
    st.subheader("Suhas B H (220)")
    st.subheader("Rohan P N (257)")
    st.subheader("Vishwas H T (248)")
    st.subheader("Thanman Mahesh (236)")
```

```
def getauthenicate(username, password):
  c.execute('SELECT C Password FROM Customers WHERE C Name = ?',
(username,))
 cust password = c.fetchall()
 # Check if any result is returned
 if cust password and cust password[0][0] == password:
    return True
  else:
    return False
###
def customer(username, password):
 if getauthenicate(username, password):
    print("In Customer")
   st.title("Welcome to Pharmacy Store")
   st.subheader("Your Order Details")
   order_result = order_view_data(username)
   # st.write(cust result)
   with st.expander("View All Order Data"):
     order clean df = pd.DataFrame(order result, columns=["Name",
"Items", "Qty", "ID"])
     st.dataframe(order_clean_df)
```

```
drug result = drug view all data()
print(drug result)
st.subheader("Drug: "+drug_result[0][0])
img = Image.open('images/dolo650.jpg')
st.image(img, width=100, caption="Rs. 15/-")
dolo650 = st.slider(label="Quantity",min value=0, max value=5, key= 1)
st.info("When to USE: " + str(drug_result[0][2]))
st.subheader("Drug: " + drug_result[1][0])
img = Image.open('images/strepsils.JPG')
st.image(img, width=100, caption="Rs. 10/-")
strepsils = st.slider(label="Quantity",min_value=0, max_value=5, key= 2)
st.info("When to USE: " + str(drug_result[1][2]))
 st.subheader("Drug: " + drug result[2][0])
img = Image.open('images/vicks.JPG')
st.image(img, width=100, caption="Rs. 65/-")
vicks = st.slider(label="Quantity",min_value=0, max_value=5, key=3)
st.info("When to USE: " + str(drug result[2][2]))
if st.button(label="Buy now"):
  O items = ""
  if int(dolo650) > 0:
```

```
O items += "Dolo-650,"
      if int(strepsils) > 0:
        O items += "Strepsils,"
      if int(vicks) > 0:
        O items += "Vicks"
      O Qty = str(dolo650) + str(',') + str(strepsils) + str('','') + str(vicks)
      O_id = username + "#O" + str(random.randint(0,1000000))
      #order add data(O Name, O Items, O Qty, O id):
      order add data(username, O items, O Qty, O id)
if __name__ == '__main__':
  drug_create_table()
  cust create table()
  order_create_table()
  menu = ["Login", "SignUp", "Admin"]
  choice = st.sidebar.selectbox("Menu", menu)
  if choice == "Login":
    username = st.sidebar.text input("User Name")
    password = st.sidebar.text_input("Password", type='password')
    if st.sidebar.checkbox(label="Login"):
      customer(username, password)
  elif choice == "SignUp":
    st.subheader("Create New Account")
    cust_name = st.text_input("Name")
    cust_password = st.text_input("Password", type='password', key=1000)
```

```
cust password1 = st.text input("Confirm Password", type='password',
key=1001)
    col1, col2, col3 = st.columns(3)
      with col1:
      cust email = st.text area("Email ID")
    with col2:
      cust area = st.text area("State")
    with col3:
      cust_number = st.text_area("Phone Number")
    if st.button("Signup"):
      if (cust password == cust password1):
        customer_add_data(cust_name,cust_password,cust_email, cust_area,
cust number,)
        st.success("Account Created!")
        st.info("Go to Login Menu to login")
      else:
        st.warning('Password dont match')
  elif choice == "Admin":
    username = st.sidebar.text input("User Name")
    password = st.sidebar.text input("Password", type='password')
    # if st.sidebar.button("Login"):
    if username == 'admin' and password == 'admin':
admin()
```

### **SQL CODE:-**

CREATE SCHEMA drugdatabase;

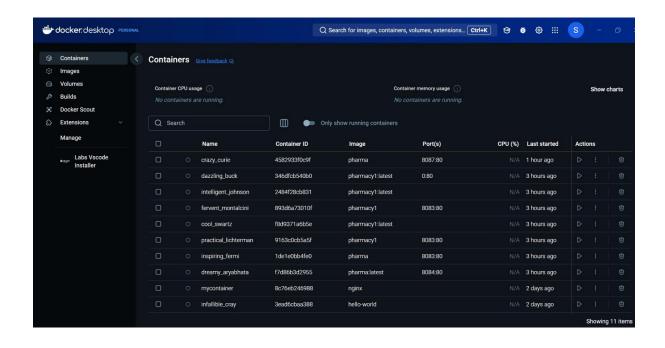
```
USE drugdatabase;
CREATE TABLE customer (
 uid varchar(20) NOT NULL,
 pass varchar(20) DEFAULT NULL,
 fname varchar(15) DEFAULT NULL,
 Iname varchar(15) DEFAULT NULL,
email varchar(30) DEFAULT NULL,
 address varchar(128) DEFAULT NULL,
 phno bigint DEFAULT NULL,
 PRIMARY KEY (uid)
);
CREATE TABLE seller (
 sid varchar(15) NOT NULL,
 sname varchar(20) DEFAULT NULL,
 pass varchar(20) DEFAULT NULL,
 address varchar(128) DEFAULT NULL,
phno bigint DEFAULT NULL,
 PRIMARY KEY (sid)
);
CREATE TABLE product (
 pid varchar(15) NOT NULL,
 pname varchar(20) DEFAULT NULL,
```

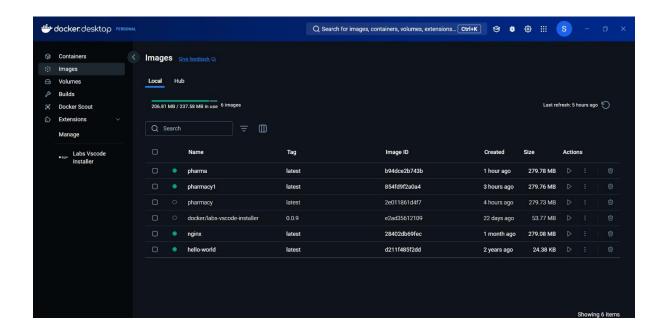
```
manufacturer varchar(20) DEFAULT NULL,
mfg date DEFAULT NULL,
exp date DEFAULT NULL,
price int DEFAULT NULL,
PRIMARY KEY (pid),
UNIQUE KEY pname (pname)
);
CREATE TABLE inventory (
pid varchar(15) NOT NULL,
pname varchar(20) DEFAULT NULL,
quantity int unsigned DEFAULT NULL,
sid varchar(15) NOT NULL,
PRIMARY KEY (pid, sid),
CONSTRAINT fk01 FOREIGN KEY (pid) REFERENCES product (pid) ON DELETE
CASCADE,
CONSTRAINT fk02 FOREIGN KEY (pname) REFERENCES product (pname) ON
DELETE CASCADE,
CONSTRAINT fk03 FOREIGN KEY (sid) REFERENCES seller (sid) ON DELETE
CASCADE
);
CREATE TABLE orders (
oid int NOT NULL AUTO_INCREMENT,
pid varchar(15) DEFAULT NULL,
sid varchar(15) DEFAULT NULL,
uid varchar(15) DEFAULT NULL,
orderdatetime datetime DEFAULT NULL,
quantity int unsigned DEFAULT NULL,
```

```
price int unsigned DEFAULT NULL,
PRIMARY KEY (oid),
CONSTRAINT fk04 FOREIGN KEY (pid) REFERENCES product (pid) ON DELETE
CASCADE,
CONSTRAINT fk05 FOREIGN KEY (sid) REFERENCES seller (sid) ON DELETE
CASCADE,
CONSTRAINT fk06 FOREIGN KEY (uid) REFERENCES customer (uid) ON DELETE
CASCADE
);
ALTER TABLE orders AUTO_INCREMENT=1000;
DELIMITER //
CREATE TRIGGER updatetime BEFORE INSERT ON orders FOR EACH ROW
BEGIN
 SET NEW.orderdatetime = NOW();
END//
DELIMITER;
DELIMITER //
CREATE TRIGGER inventorytrigger AFTER INSERT ON orders
FOR EACH ROW
begin
DECLARE qnty int;
DECLARE productid varchar(20);
SELECT pid INTO productid
FROM
        orders
ORDER BY oid DESC
LIMIT
      1;
SELECT quantity INTO qnty
```

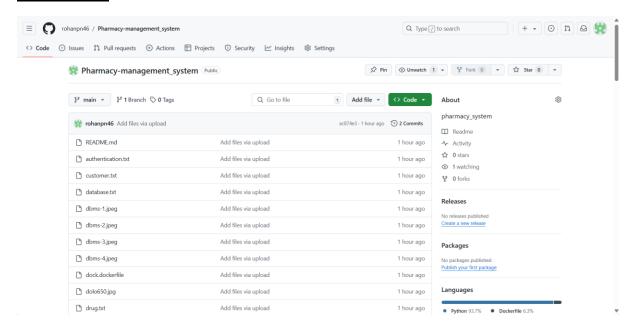
```
FROM orders
ORDER BY oid DESC
LIMIT 1;
UPDATE inventory
SET quantity=quantity-qnty
WHERE pid=productid;
END//
DELIMITER;
DELIMITER //
CREATE PROCEDURE getsellerorders(IN param1 VARCHAR(20))
BEGIN
 SELECT * FROM orders where sid=param1;
END //
DELIMITER;
DELIMITER //
CREATE PROCEDURE getorders
(IN param1 VARCHAR(20))
BEGIN
 SELECT * FROM orders WHERE uid=param1;
END //
DELIMITER;
```

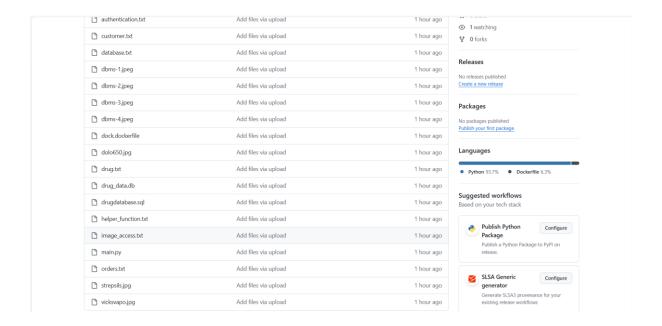
#### **DOCKER:-**

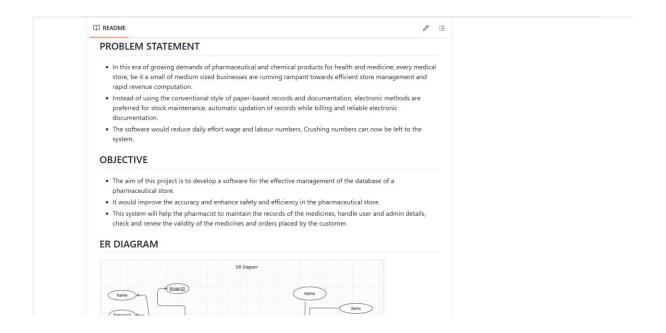




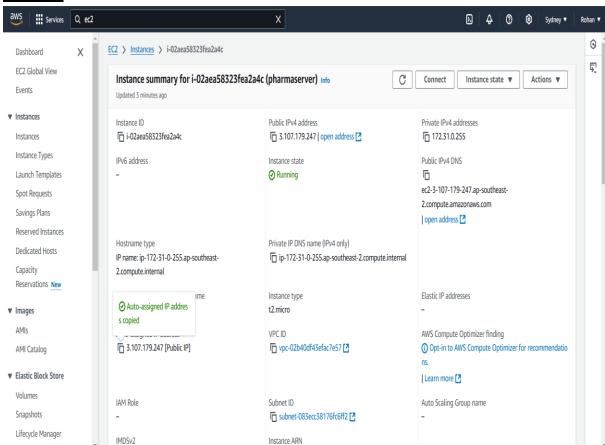
### **GITHUB:-**

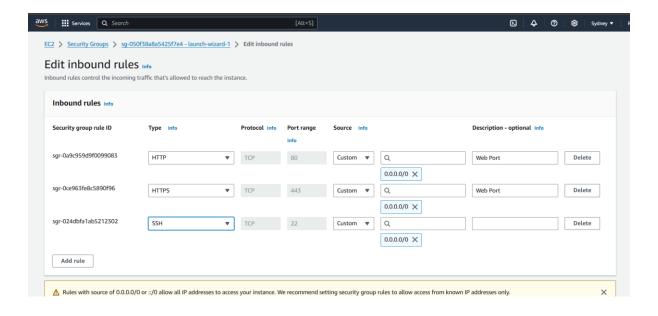


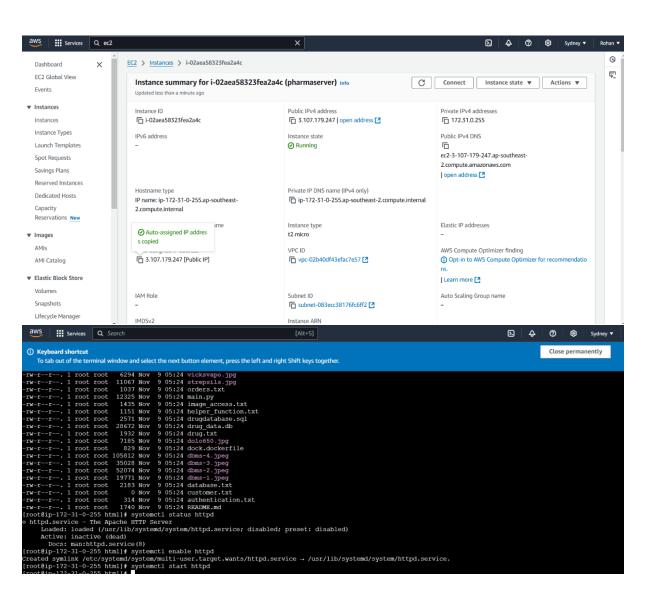


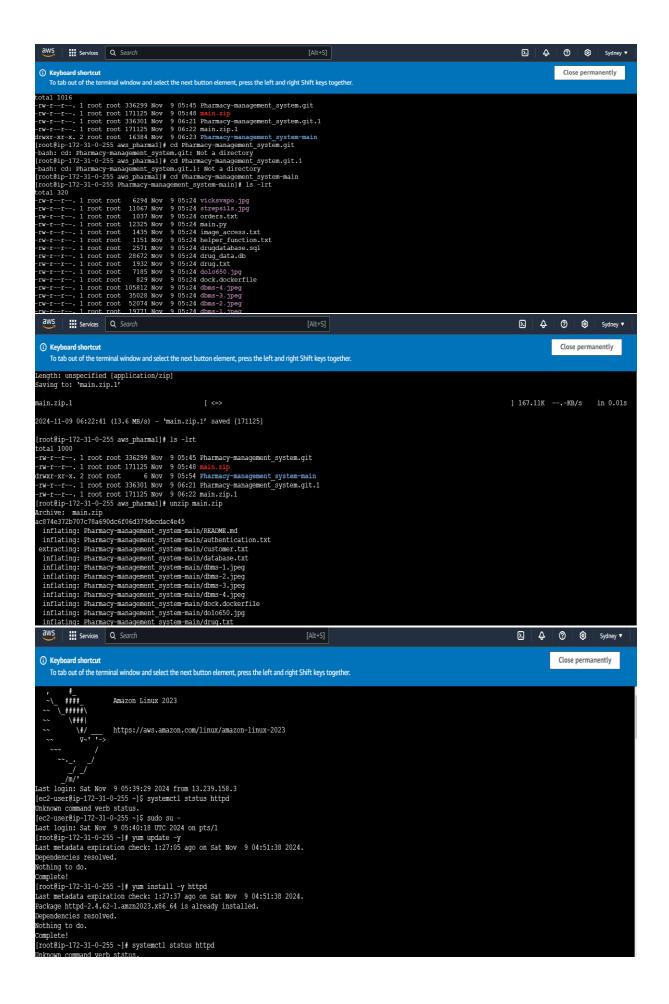


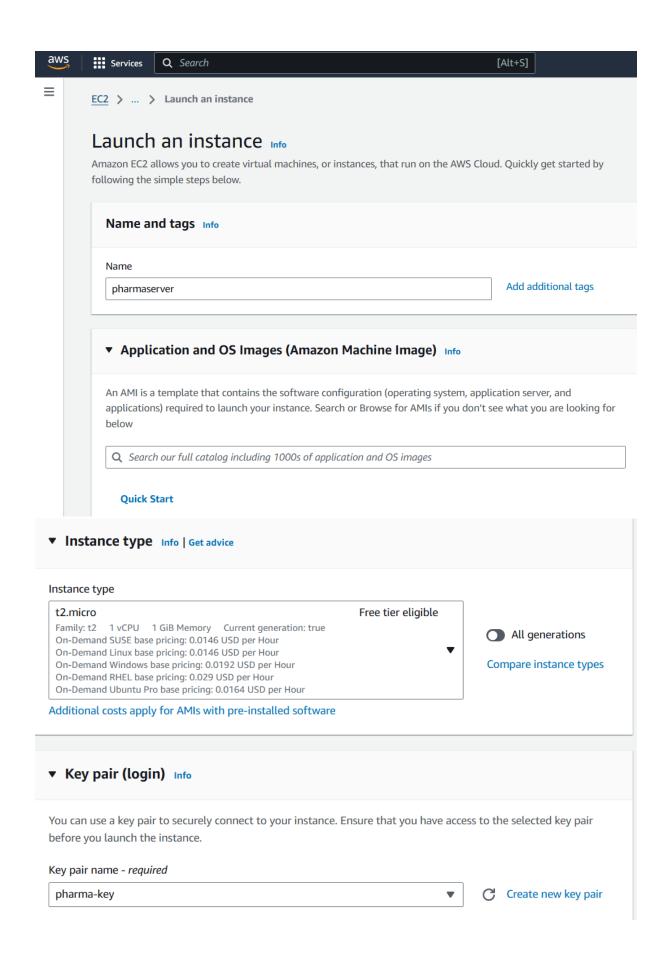
#### AWS:-











i-02aea58323fea2a4c (pharmaserver) PublicIPs: 3.107.179.247 PrivateIPs: 172.31.0.255 ×

# **NETLIFY:-**

