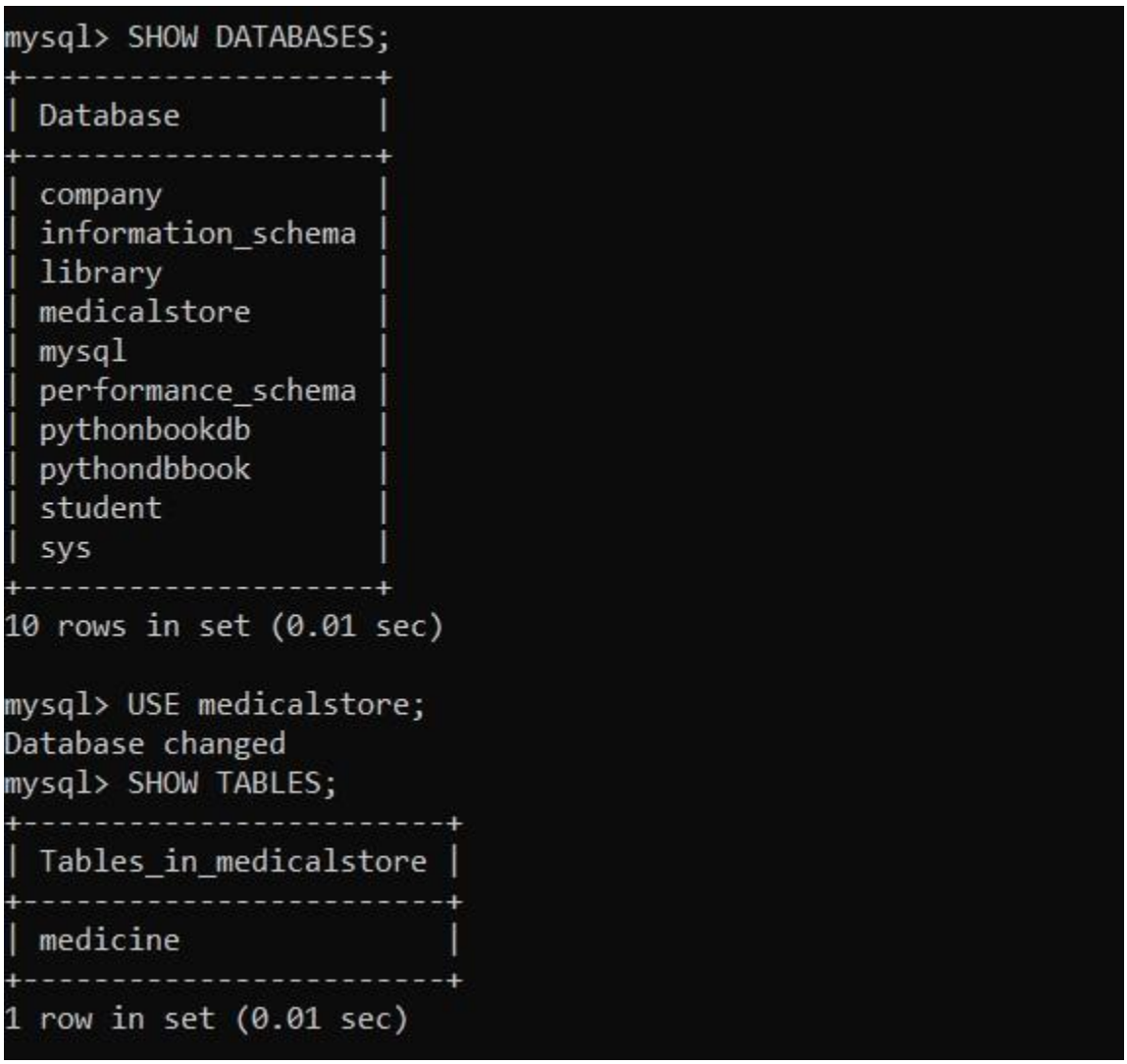
Medical Store Medicine Data Management

1> Database and Table Created Using SQL:

Database and Table Image:

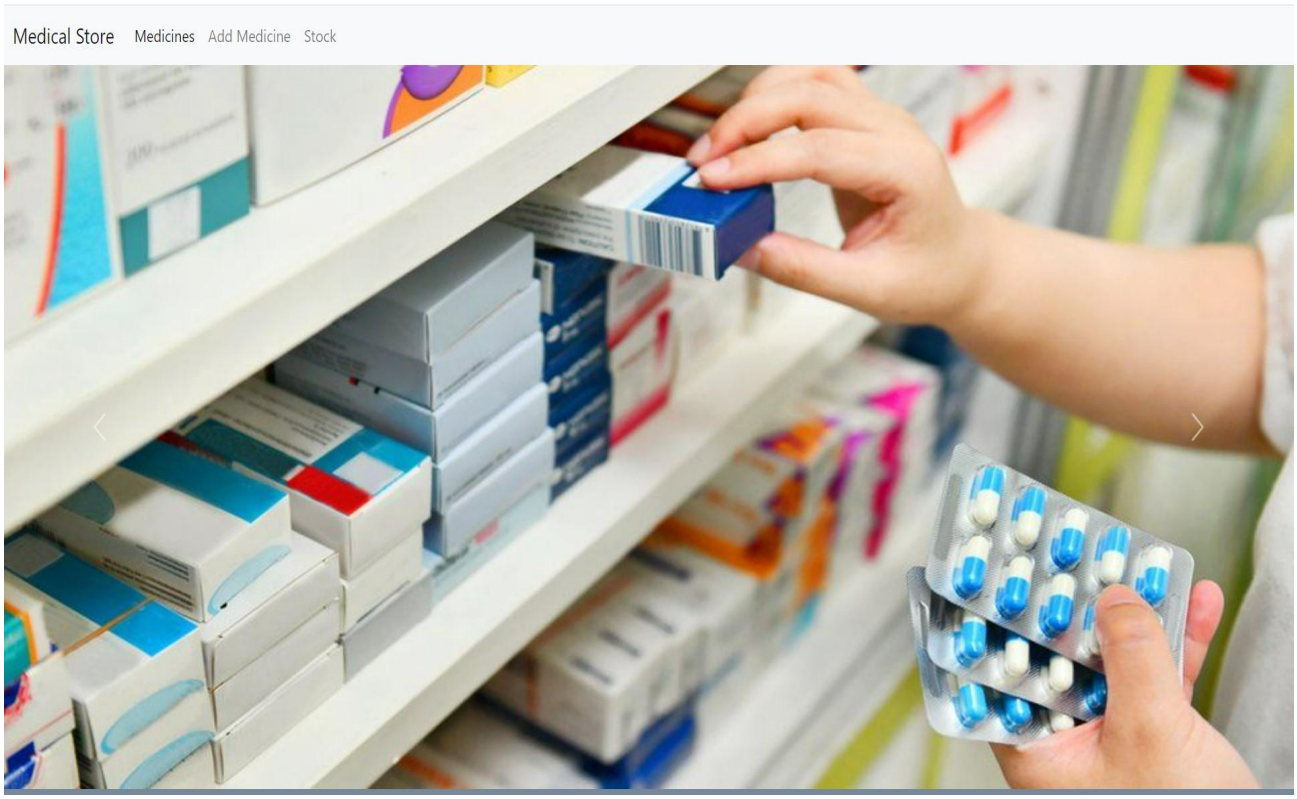


```
mysql> DESC medicine;
+---------+--------------+------+-----+---------+----------------+
| Field   | Type         | Null | Key | Default | Extra          |
+---------+--------------+------+-----+---------+----------------+
| m_id    | int          | NO   | PRI | NULL    | auto_increment |
| m_name  | varchar(30)  | YES  |     | NULL    |                |
| m_color | varchar(20)  | YES  |     | NULL    |                |
| m_type  | varchar(30)  | YES  |     | NULL    |                |
| m_dose  | varchar(40)  | YES  |     | NULL    |                |
| m_desc  | varchar(50)  | YES  |     | NULL    |                |
| m_use   | varchar(50)  | YES  |     | NULL    |                |
| m_ingr  | varchar(50)  | YES  |     | NULL    |                |
| m_mfg   | date         | YES  |     | NULL    |                |
| m_exp   | date         | YES  |     | NULL    |                |
| m_price | decimal(8,2) | YES  |     | NULL    |                |
| m_comp  | varchar(40)  | YES  |     | NULL    |                |
+---------+--------------+------+-----+---------+----------------+
12 rows in set (0.01 sec)

mysql> SELECT * FROM medicine;
+------+-------------+------------+--------+--------+-------------------------------------------+-------------------------------------------+-------------------------------------------+------------+-----
-------+---------+----------+
| m_id | m_name      | m_color    | m_type | m_dose | m_desc                                    | m_use                                     | m_ingr                                    | m_mfg      | m_ex
p      | m_price | m_comp   |
+------+-------------+------------+--------+--------+-------------------------------------------+-------------------------------------------+-------------------------------------------+------------+-----
-------+---------+----------+
|    1 | Azithromycin | Red        | Tablet | 500mg  | An antibiotic which stops growth of bacteria | To treat Bacterial Infections             | dibasic calcium, sodium croscarmellose etc. | 2022-08-19 | 2024
-08-19 |  450.23 | Zithromax |
|    2 | Ferium       | Red        | Tablet | 750    | has calcium and vitamins                  | to treat people with low calcium & vitamins | vitamin b & calcium                       | 2020-09-19 | 2023
-08-12 |  102.30 | Maersk    |
|    4 | Crocin       | Light blue | Syrup  | 250    | Used to treat Common Cold and Flu         | Cold,Flu                                  | Paracetamol                               | 2022-03-01 | 2025
-12-17 |   65.20 | Cipla     |
|    5 | Ascoril D    | Rose Red   | Syrup  | 350    | It is used to treat Cough                 | Cough                                     | Phenylephrine                             | 2021-12-29 | 2022
-10-24 |  196.92 | Himalaya  |
|    6 | Combiflam    | White      | Tablet | 650    | Used to treat Common Cold and Flu         | Cold,Flu                                  | Paracetamol                               | 2021-01-08 | 2024
-07-18 |   75.50 | Cipla     |
+------+-------------+------------+--------+--------+-------------------------------------------+-------------------------------------------+-------------------------------------------+------------+-----
-------+---------+----------+
5 rows in set (0.00 sec)
```

Output Screenshots:-

Home Page

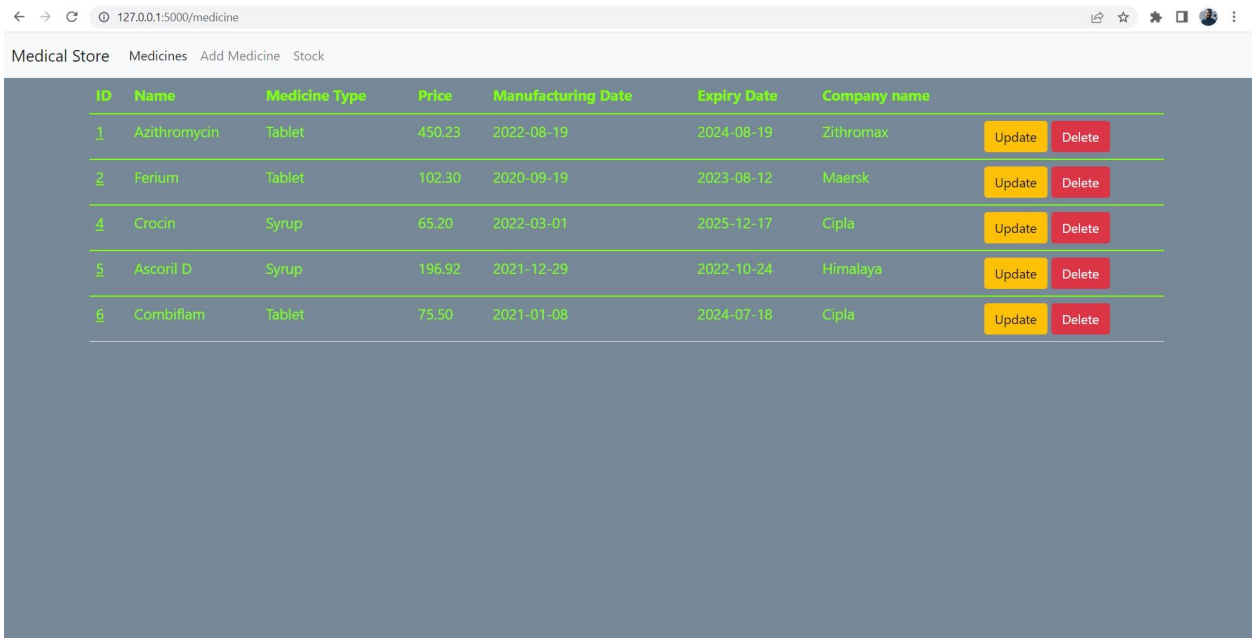


Medicine List(Select All Query)

Here All the medicine in the database will be listed in a tabular form.

ADD Medicine(Insert Into Query)

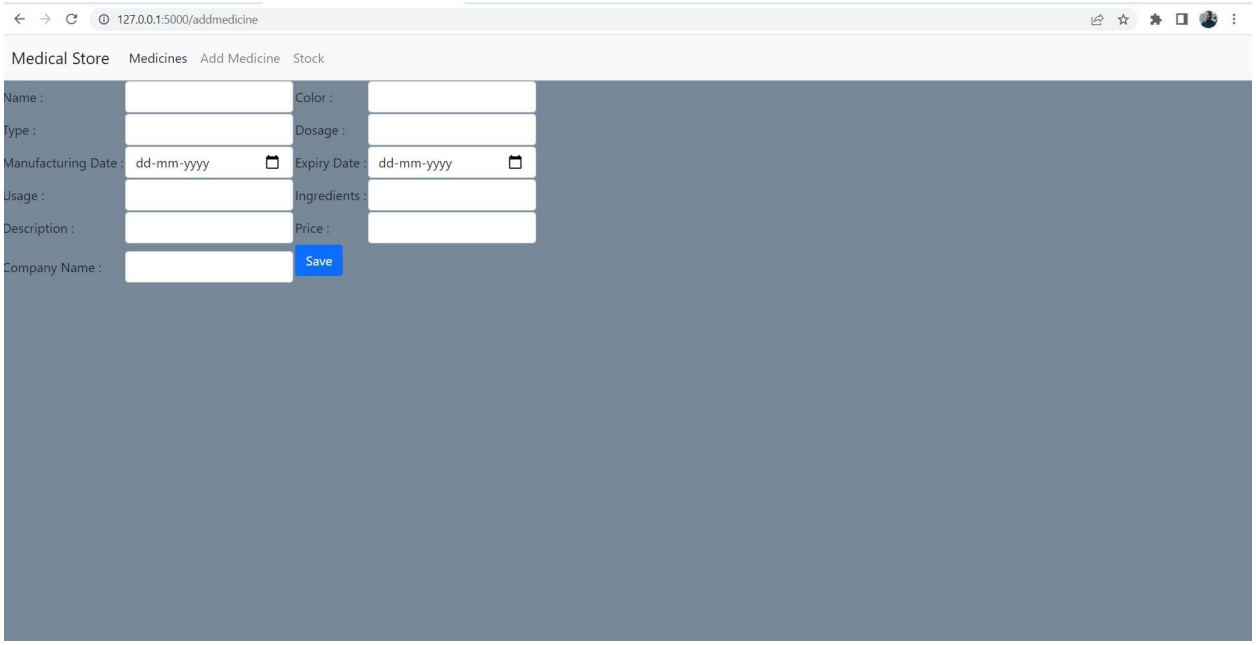
Before Adding List:-



When We Click on Add Medicine:-

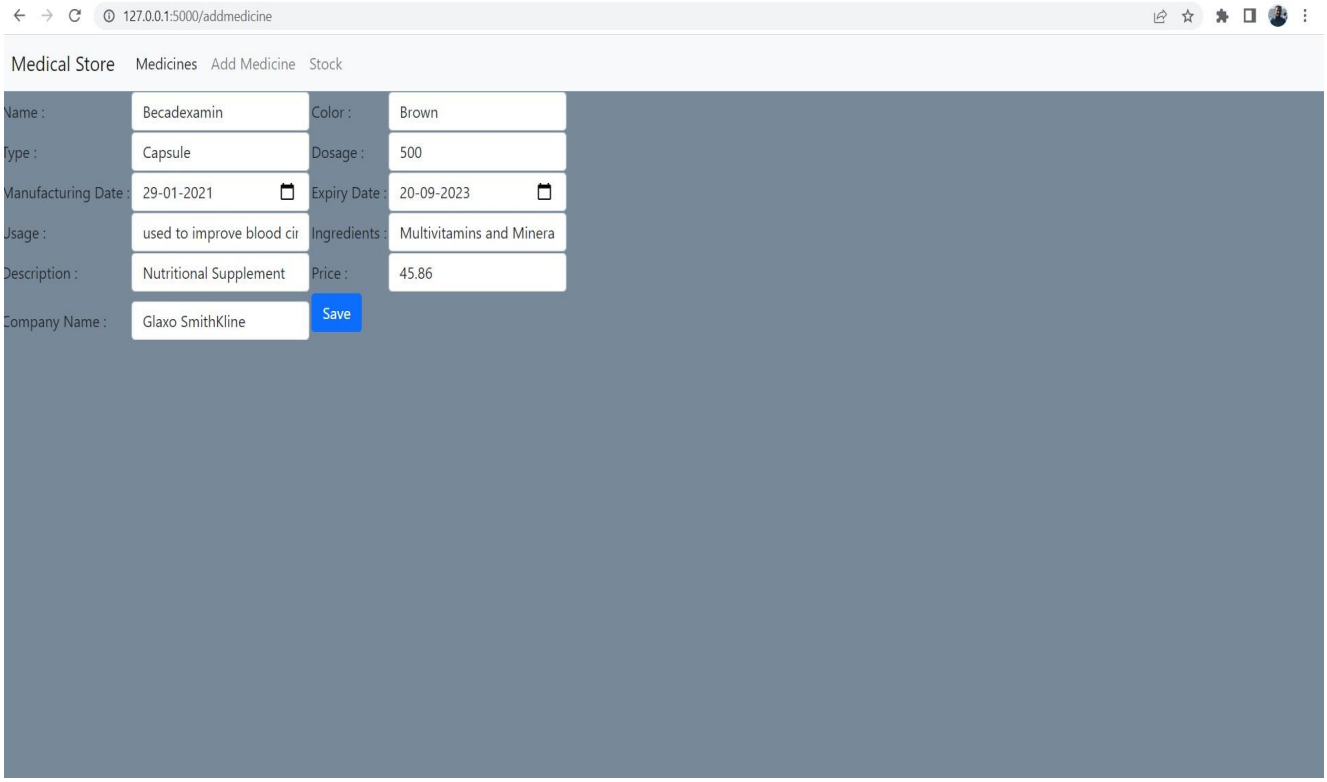
When we click on Add Medicine on NavBar it will redirect us to a form in which we can put the information of medicine that we want to add.

It Screenshot is below



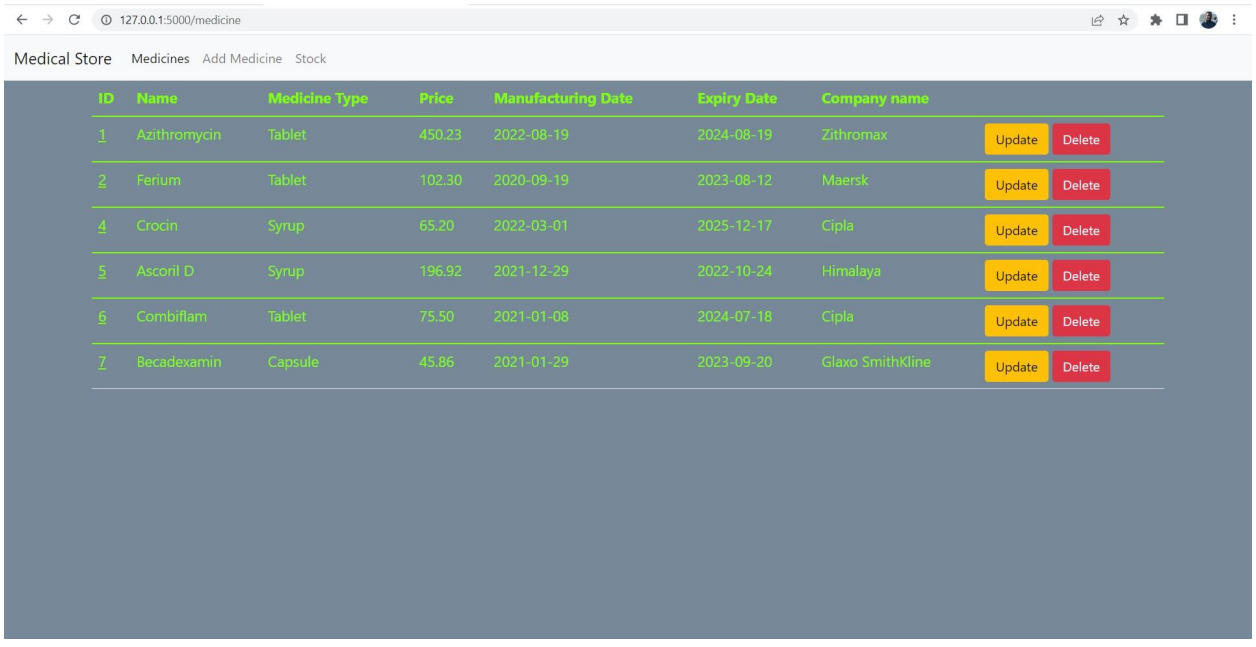
After Adding Information:-

Here I have filled in the information.



After Clicking on Save It is Redirect to Medicine List:-

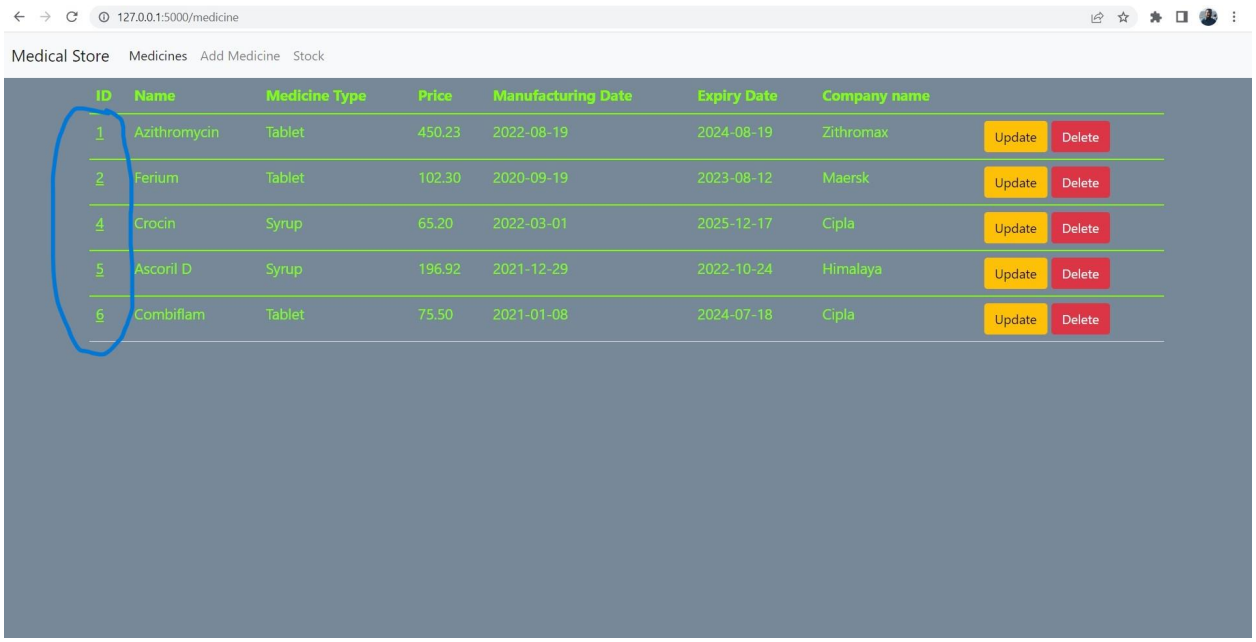
You can See here Becadexamin is added on the list and it was not present in the list before we added.



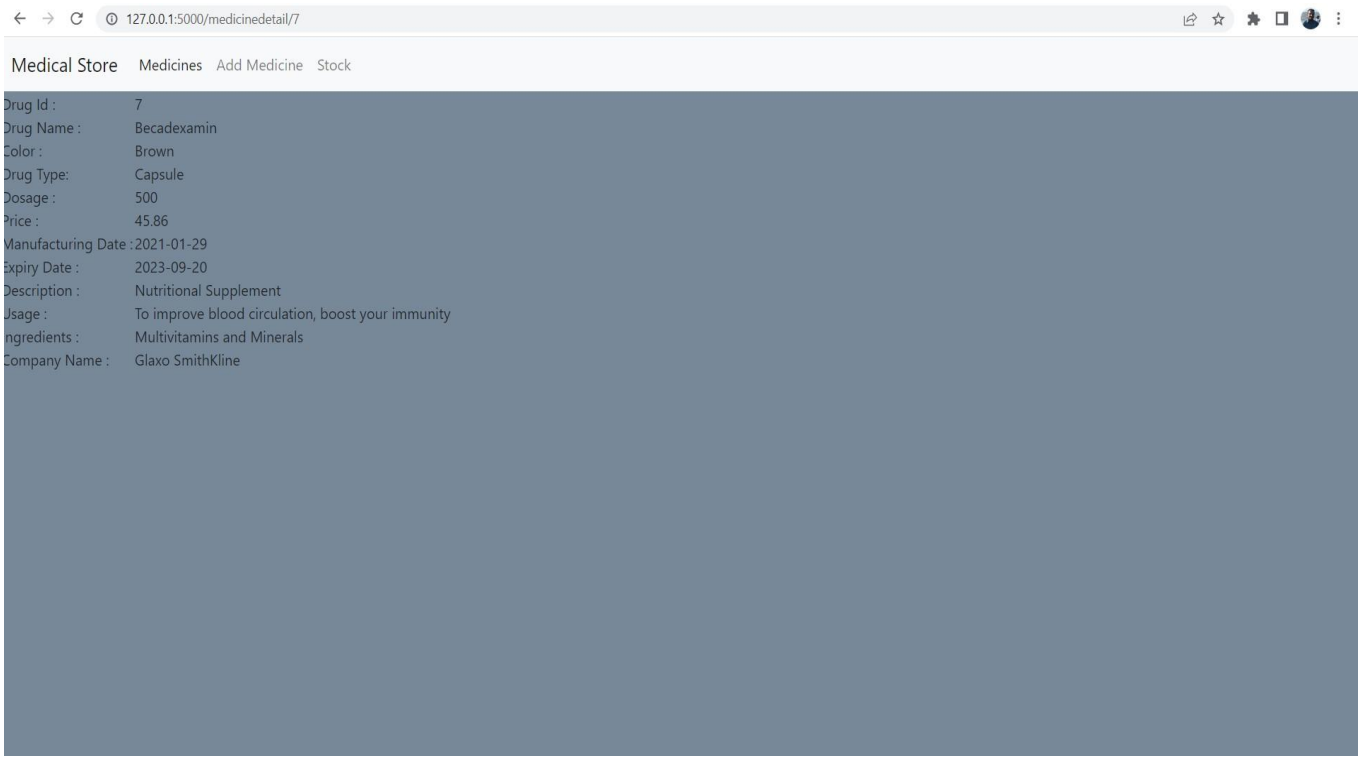
Medicine Detail

When you click on medicine Id in the medicine list you will get the information of that particular medicine.

Here you can see that a link is there on the id which will redirect us to information page of that medicine



Medicine Detail Page:-

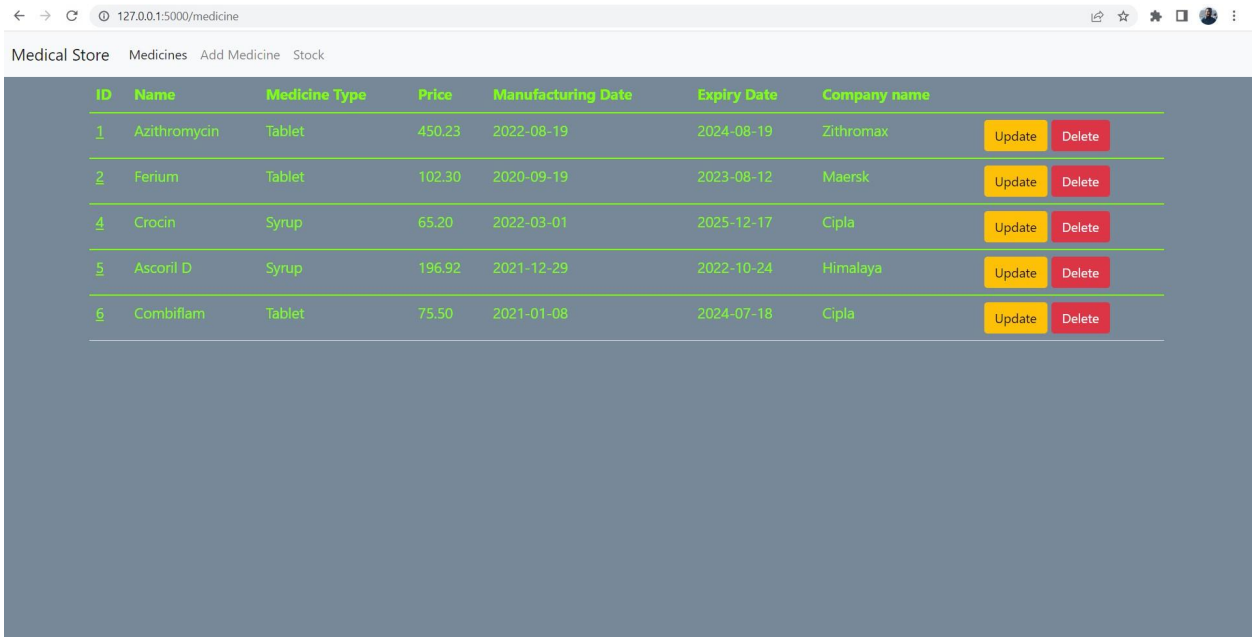


Update(Update Query)

Here if we want to update any information we can update it using this button.

Before Update List:-

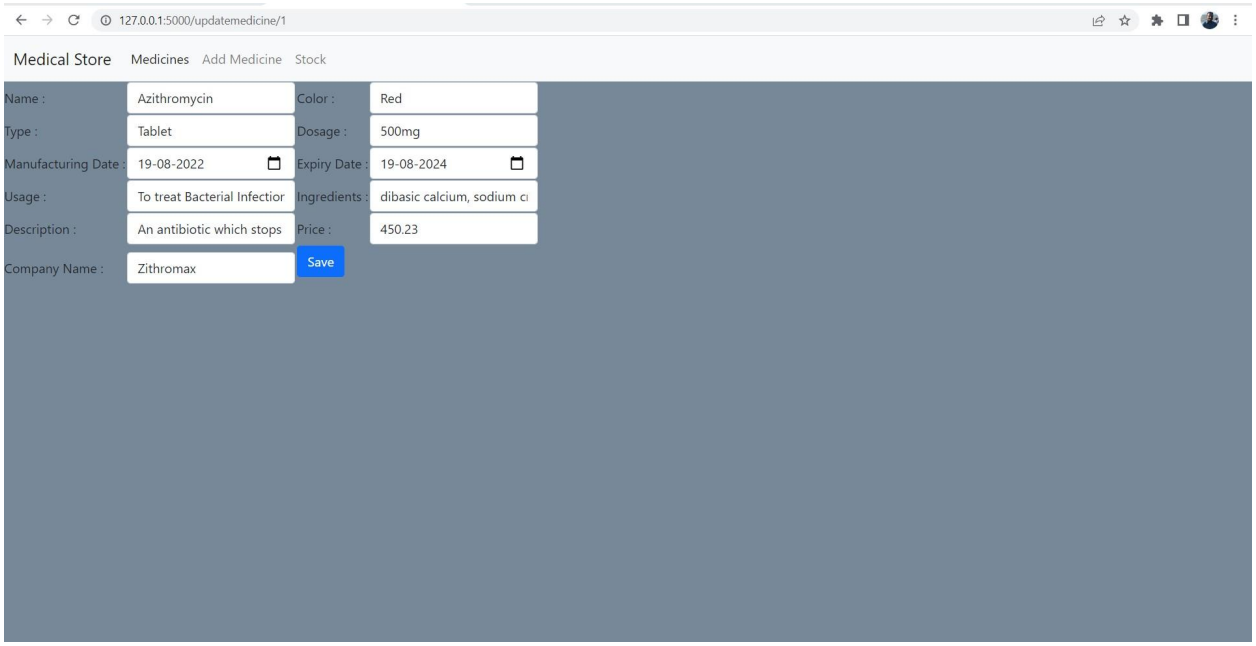
Here note the price of Azithromycin Whose medicine id is 1 and price is 450.23 we are gonna change its price to 250.63



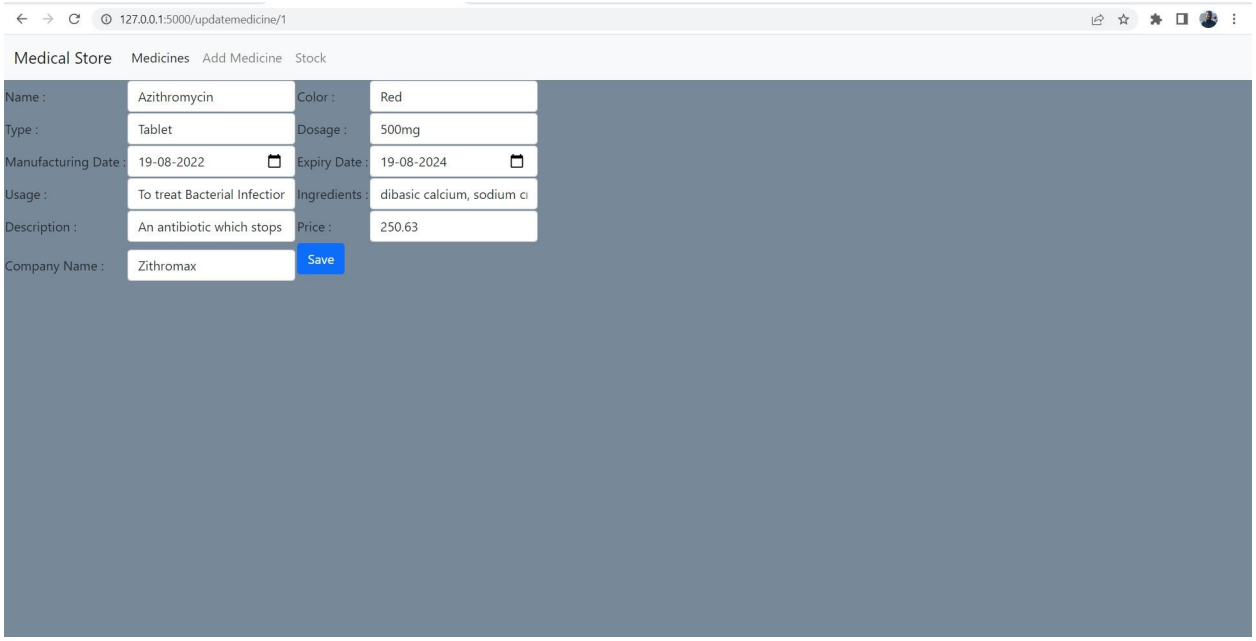
After Clicking on Update Button:-

When we click on the update button it will open the filled form and we can change the information that we want to change on that form.

Here you can also see in URL that the medicine that is selected is whose id is 1

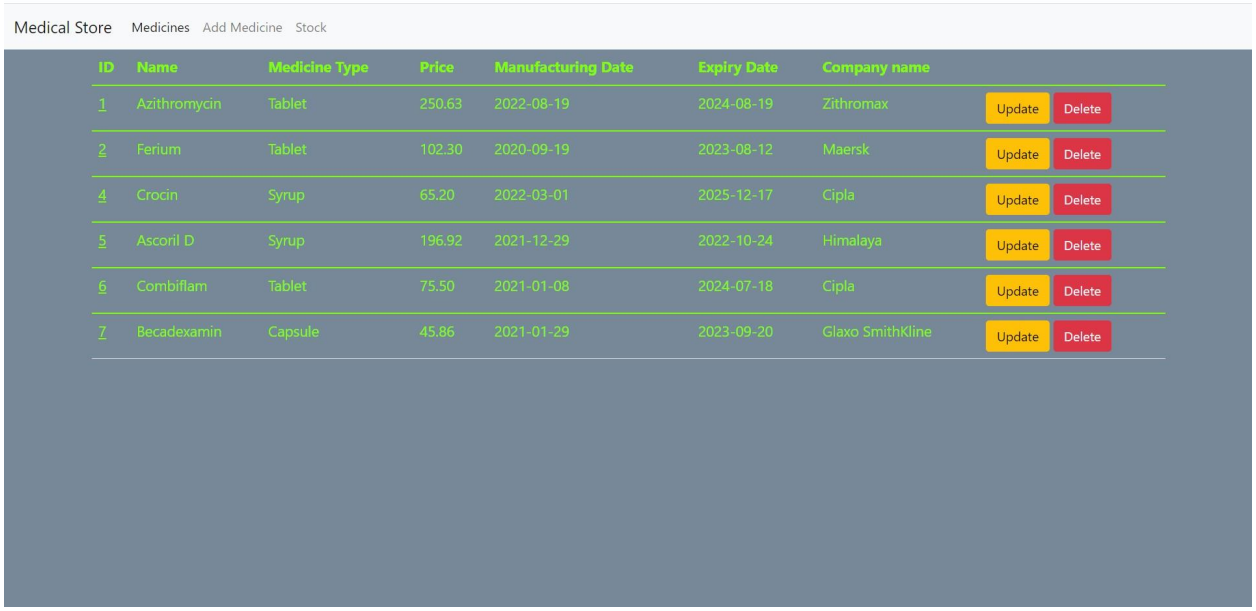


After Changing its price from 450.23 to 250.63:-



After Clicking on Save Button:-

Here you can that price for Azithromycin having id 1 is changed to 250.63



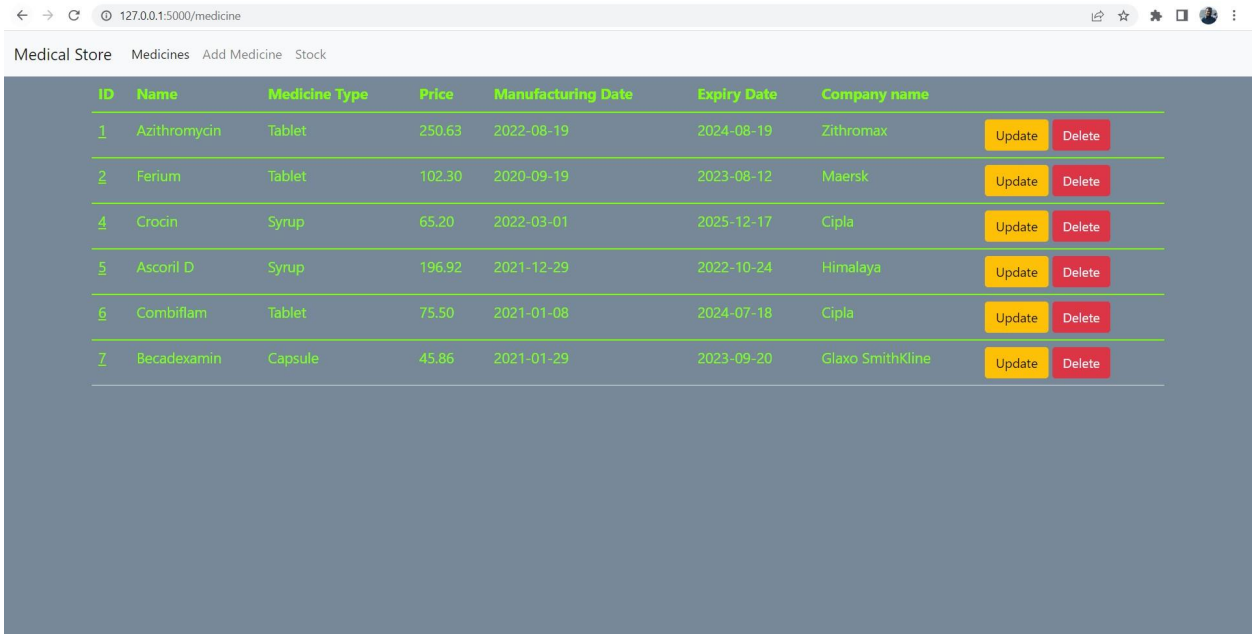
Delete(Delete Query)

When we want to Delete any Medicine information we just have to click on the delete button in front of that medicine.

That button will trigger a Delete Query and use its id to delete that specific medicine that we want to delete.

Before Delete List:-

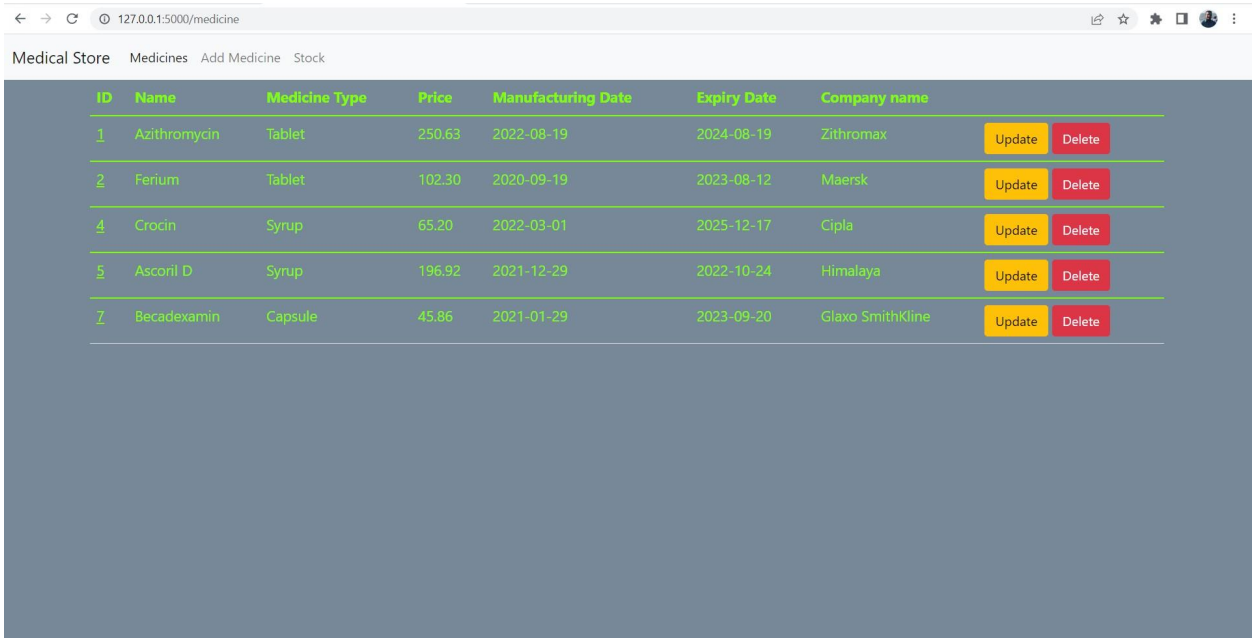
We will delete Combiflam Tablet from this list which has id 6



After Clicking on Delete Button:-

When we click on the delete button it will delete that medicine and redirect to a list again where that medicine will not be there.

Here we can see that Combiflam Tablet is no more in the list after we click delete button in front of it.



App.py

```
from flask import *
import database as db

app=Flask(__name__)

@app.route('/')
@app.route('/home')
def home():
    return render_template('home.html')

@app.route('/medicine',methods=['GET','POST'])
def medicine():
    mlist=db.selectall_medicine()
    return render_template('medicine.html',mlist=mlist)

@app.route('/deletemedicine/<int:mid>')
def deletebook(mid):
    db.delete_medicine(mid)
    return redirect(url_for('medicine'))

@app.route('/medicinedetail/<int:mid>')
def medicinedetail(mid):
    medlist=db.selectone_medicine(mid)
    mlist=list(medlist)
    return render_template('medicinedetail.html',mlist=mlist)

@app.route('/updatemedicine/<int:mid>',methods=["GET","POST"])
def updatemedicine(mid):
    if request.method=='GET':
        mlist = db.selectone_medicine(mid)
        return render_template("updatemedicine.html",mlist=mlist)
    elif request.method=='POST':
        name=request.form.get('name')
        color=request.form.get('color')
        type=request.form.get('type')
        dose=request.form.get('dosage')
```

```
        desc=request.form.get('desc')
        use=request.form.get('usage')
        ingr=request.form.get('ingredient')
        mfg=request.form.get('mfgdate')
        exp=request.form.get('expdate')
        price=request.form.get('price')
        comp=request.form.get('comp')

db.update_medicine(mname=name,mcolor=color,mtype=type,mdose=dose,mdesc=des
c,muse=use,mingr=ingr,mmfg=mfg,mexp=exp,mprice=price,mcomp=comp,mid=mid)
        return redirect(url_for('medicine'))

@app.route('/addmedicine',methods=["GET","POST"])
def addmedicine():
    if request.method=='GET':
        return render_template('addmedicine.html')

    elif request.method=='POST':
        name=request.form.get('name')
        color=request.form.get('color')
        type=request.form.get('type')
        dose=request.form.get('dosage')
        desc=request.form.get('desc')
        use=request.form.get('usage')
        ingr=request.form.get('ingredient')
        mfg=request.form.get('mfgdate')
        exp=request.form.get('expdate')
        price=request.form.get('price')
        comp=request.form.get('comp')

db.insert_medicine(mname=name,mcolor=color,mtype=type,mdose=dose,mdesc=des
c,muse=use,mingr=ingr,mmfg=mfg,mexp=exp,mprice=price,mcomp=comp)
        return redirect(url_for('medicine'))

if __name__==('__main__'):
    app.run(debug=True)
```

Database.py

```
import pymysql as pm

con=pm.connect(host='localhost',user='root',password='Asif@123',database='
medicalstore')

def
insert_medicine(mname,mcolor,mtype,mdose,mdesc,muse,mingr,mmfg,mexp,mprice
,mcomp):
    cursor=con.cursor()
    sql='insert into
medicine(m_name,m_color,m_type,m_dose,m_desc,m_use,m_ingr,m_mfg,m_exp,m_pr
ice,m_comp) values(%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)'

i=cursor.execute(sql,(mname,mcolor,mtype,mdose,mdesc,muse,mingr,mmfg,mexp,
mprice,mcomp))
    con.commit()
    return i

def
update_medicine(mname,mcolor,mtype,mdose,mdesc,muse,mingr,mmfg,mexp,mprice
,mcomp,mid):
    cursor=con.cursor()
    sql='update medicine set
m_name=%s,m_color=%s,m_type=%s,m_dose=%s,m_desc=%s,m_use=%s,m_ingr=%s,m_mf
g=%s,m_exp=%s,m_price=%s,m_comp=%swhere m_id=%s'

i=cursor.execute(sql,(mname,mcolor,mtype,mdose,mdesc,muse,mingr,mmfg,mexp,
mprice,mcomp,mid))
    con.commit()
    return i

def delete_medicine(mid):
    cursor=con.cursor()
    sql='delete from medicine where m_id=%s'
    i=cursor.execute(sql,(mid))
    con.commit()
```

```
    return i

def selectall_medicine():
    cursor=con.cursor()
    sql='select * from medicine'
    cursor.execute(sql)
    rows=cursor.fetchall()
    return rows

def selectone_medicine(mid):
    cursor=con.cursor()
    sql='select * from medicine where m_id=%s'
    cursor.execute(sql,(mid))
    row=cursor.fetchone()
    return row
```

Templates File

Base.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.
css" rel="stylesheet"
integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2
QvZ6jIW3" crossorigin="anonymous">
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle
.min.js"
integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8n
bTov4+1p" crossorigin="anonymous"></script>

    <title>Medical Store</title>
</head>
<body style="background-color: lightslategray;">
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <div class="container-fluid">
          <a class="navbar-brand" href="/">Medical Store</a>
          <button class="navbar-toggler" type="button"
data-bs-toggle="collapse" data-bs-target="#navbarNavDropdown"
aria-controls="navbarNavDropdown" aria-expanded="false" aria-label="Toggle
navigation">
            <span class="navbar-toggler-icon"></span>
          </button>
          <div class="collapse navbar-collapse" id="navbarNavDropdown">
            <ul class="navbar-nav">
```

```
              <li class="nav-item">
                <a class="nav-link active" aria-current="page"
href="/medicine">Medicines</a>
              </li>
              <li class="nav-item">
                <a class="nav-link" href="/addmedicine">Add Medicine</a>
              </li>
              <li class="nav-item">
                <a class="nav-link" href="/stocks">Stock</a>
              </li>
              <!--<li class="nav-item dropdown">
                <a class="nav-link dropdown-toggle" href="#"
id="navbarDropdownMenuLink" role="button" data-bs-toggle="dropdown"
aria-expanded="false">
                  Dropdown link
                </a>
                <ul class="dropdown-menu"
aria-labelledby="navbarDropdownMenuLink">
                  <li><a class="dropdown-item" href="#">Action</a></li>
                  <li><a class="dropdown-item" href="#">Another
action</a></li>
                  <li><a class="dropdown-item" href="#">Something else
here</a></li>
                </ul>
              </li> -->
            </ul>
          </div>
        </div>
      </nav>
      {%block main%}
      {%endblock main%}
</body>
</html>
```

Home.html

```
{%extends 'base.html'%}

{%block main%}
<div id="carouselExampleControls" class="carousel slide"
data-bs-ride="carousel">
    <div class="carousel-inner" style="height: 680px; width: auto;">
      <div class="carousel-item active">
        <img src="static/image/med1.jpg" style="height: 680px;"
class="d-block w-100" alt="...">
      </div>
      <div class="carousel-item">
        <img src="static/image/med2.jpg" style="height: 680px;"
class="d-block w-100" alt="...">
      </div>
      <div class="carousel-item">
        <img src="static/image/med3.jpg" style="height: 680px;"
class="d-block w-100" alt="...">
      </div>
    </div>
    <button class="carousel-control-prev" type="button"
data-bs-target="#carouselExampleControls" data-bs-slide="prev">
      <span class="carousel-control-prev-icon" aria-hidden="true"></span>
      <span class="visually-hidden">Previous</span>
    </button>
    <button class="carousel-control-next" type="button"
data-bs-target="#carouselExampleControls" data-bs-slide="next">
      <span class="carousel-control-next-icon" aria-hidden="true"></span>
      <span class="visually-hidden">Next</span>
    </button>
  </div>



{%endblock main%}
```

Medicine.html

```
{%extends 'base.html'%}
{%block main%}
<form>
    <div class="container">
        <div class="row row-cols-2">



            <table class="table" style="color: chartreuse; font-size:
large;">
              <thead>
                <tr>
                  <th scope="col">ID</th>
                  <th scope="col">Name</th>
                  <th scope="col">Medicine Type</th>
                  <th scope="col">Price</th>
                  <th scope="col">Manufacturing Date</th>
                  <th scope="col">Expiry Date</th>
                  <th scope="col">Company name</th>
              </tr>
              </thead>
              {%for med in mlist %}
              <tbody>
                <tr>
                  <td><a href="/medicinedetail/{{med[0]}}" style="color:
chartreuse;">{{med[0]}}</a></td>
                    <td>{{med[1]}}</td>
                    <td>{{med[3]}}</td>
                    <td>{{med[10]}}</td>
                    <td>{{med[8]}}</td>
                    <td>{{med[9]}}</td>
                    <td>{{med[11]}}</td>
                    <td colspan="2">
                      <a href="/updatemedicine/{{med.0}}" class="btn
btn-warning">Update</a>
```

```
                    <a href="/deletemedicine/{{med[0]}}"class="btn
btn-danger">Delete</a>
                    </td>
                  </tr>
              </tbody>
                {% endfor %}
              </table>



          </div>
        </div>
      </form>
      {%endblock main%}
```

Addmedicine.html

```
{%extends 'base.html'%}

{%block main%}
<form action="/addmedicine" method="post">
<table>
    <tr>
        <td>Name : </td>
        <td><input type="text" class="form-control" id="name"
name="name"></td>
        <td>Color : </td>
        <td><input type="text" class="form-control" id="color"
name="color"></td>
    </tr>
    <tr>
        <td>Type : </td>
        <td><input type="text" class="form-control" id="type"
name="type"></td>
        <td>Dosage : </td>
        <td><input type="text" class="form-control" id="dosage"
name="dosage"></td>
    </tr>
    <tr>
        <td>Manufacturing Date : </td>
        <td><input type="date" class="form-control" id="mfgdate"
name="mfgdate"></td>
        <td>Expiry Date : </td>
        <td><input type="date" class="form-control" id="expdate"
name="expdate"></td>
    </tr>
    <tr>
        <td>Usage : </td>
        <td><input type="text" class="form-control" id="usage"
name="usage"></td>
        <td>Ingredients : </td>
        <td><input type="text" class="form-control" id="ingredient"
name="ingredient"></td>
```

```
    </tr>
    <tr>
        <td>Description : </td>
        <td><input type="text" class="form-control" id="desc"
name="desc"></td>
        <td>Price :</td>
        <td><input type="text" class="form-control" id="price"
name="price"></td>
    </tr>
    <tr>
        <td>Company Name : </td>
        <td><input type="text" class="form-control" id="comp"
name="comp"></td>
        <td><button type="submit" class="btn btn-primary
mb-3">Save</button></td>
        <td></td>
        <td></td>
    </tr>
</table>
</form>
{%endblock main%}
```

Medicinedetail.html

```
{%extends 'base.html'%}

{%block main%}
<table>
    <tr>
        <td>
            Drug Id :<br>
            Drug Name :<br>
            Color :<br>
            Drug Type: <br>
            Dosage :<br>
            Price :<br>
            Manufacturing Date :<br>
            Expiry Date :<br>
            Description :<br>
            Usage :<br>
            Ingredients :<br>
            Company Name :<br>
        </td>
        <td>
            {{mlist[0]}}<br>
            {{mlist[1]}}<br>
            {{mlist[2]}}<br>
            {{mlist[3]}}<br>
            {{mlist[4]}}<br>
            {{mlist[10]}}<br>
            {{mlist[8]}}<br>
            {{mlist[9]}}<br>
            {{mlist[5]}}<br>
            {{mlist[6]}}<br>
            {{mlist[7]}}<br>
            {{mlist[11]}}<br>
        </td>
    </tr>
</table>
```

```
{%endblock main%}
```

Updatemedicine.html

```
{% extends 'base.html' %}

{% block main %}
<form action="/updatemedicine/{{mlist[0]}}" method="post">
    <table>
        <tr>
            <td>Name : </td>
            <td><input type="text" class="form-control" id="name"
name="name" value="{{mlist[1]}}"></td>
            <td>Color : </td>
            <td><input type="text" class="form-control" id="name"
name="color" value="{{mlist[2]}}" ></td>
        </tr>
        <tr>
            <td>Type : </td>
            <td><input type="text" class="form-control" id="name"
name="type" value="{{mlist[3]}}"></td>
            <td>Dosage : </td>
            <td><input type="text" class="form-control" id="name"
name="dosage" value="{{mlist[4]}}"></td>
        </tr>
        <tr>
            <td>Manufacturing Date : </td>
            <td><input type="date" class="form-control" id="joindate"
name="mfgdate" value="{{mlist[8]}}"></td>
            <td>Expiry Date : </td>
            <td><input type="date" class="form-control" id="joindate"
name="expdate" value="{{mlist[9]}}"></td>
        </tr>
        <tr>
            <td>Usage : </td>
            <td><input type="text" class="form-control" id="name"
name="usage" value="{{mlist[6]}}"></td>
            <td>Ingredients : </td>
```

```
            <td><input type="text" class="form-control" id="name"
name="ingredient" value="{{mlist[7]}}"></td>
        </tr>
        <tr>
            <td>Description : </td>
            <td><input type="text" class="form-control" id="name"
name="desc" value="{{mlist[5]}}"></td>
            <td>Price :</td>
            <td><input type="text" class="form-control" id="price"
name="price" value="{{mlist[10]}}"></td>
        </tr>
        <tr>
            <td>Company Name : </td>
            <td><input type="text" class="form-control" id="name"
name="comp" value="{{mlist[11]}}"></td>
            <td><button type="submit" class="btn btn-primary
mb-3">Save</button></td>
            <td></td>
            <td></td>
        </tr>
    </table>
    </form>
{% endblock main %}
```