

• Title page

• Table of contents

• Abstract

• Introduction

• Literature Review

• Project Description

o Description of Project,

o Database Design

o ER Diagram to Relational Schema

o Normalization

o Modules ,

 Description of each module

• Tools used

• Code

• Snapshots (Input and output)

• Conclusion

Abstract: -

The main aim of the project is the management of the database of the pharmaceutical company. This is done by creating a database of the details available of medicines in the company. The Pharmaceutical company management system is built for the sake of ensuring effective and clear data saving and manipulating as well as neat work on the pharmaceutical company medical med names. This refers the pharmaceutical company management system project highly minimize time and resource by which, searching the medicine data you can get the data in quickest time.

It deals with the automating tasks of maintaining of Bills. In Pharmaceutical company, Billing management is the key process. Including safe data store about medicine as well as fast searching, delete and update of medicines.

Objective: -

The objective of the project is to create an effective software to help the pharmaceutical company to maintain the records of the medicines, handle user details, generate invoice, check and renew validity and provide a scope of communication between users by using inbuilt messaging system. Pharmaceutical company management system deals with the maintenance of drugs and consumables in the pharmacy unit. This Pharmaceutical company management system is user friendly. The main Objectives of the Pharmaceutical company management system is making the pharmacy organizations computerized by creating neat work through minimizing or eliminating wasting of time as well as removing the resources such as papers for data saving since know a day is paper based, decrease malfunctioned works on the medical usage by giving correct information on each medicine.

Introduction

This project is insight into the design and implementation of a pharmaceutical company management System. This is done by creating a database of the available medicines in the company and to improve accuracy and enhance safety and efficiency in the pharmaceutical company. The aim of this project is to develop software for the effective management of a pharmaceutical company. We have developed this software for ensuring effective policing by providing statistics of the drugs in stock.

Existing System: -

Existing system in Pharmaceutical company is completely paper base management system. It's a standard that a paper-based management setup will always struggle to meet. A paper-based approach means slower processes, more administrative resources and higher risk of inefficiency - documents lost, handwritten notes being misread and paperwork incomplete. One of the biggest drawbacks of paper-based document management systems is the associated costs.

Issues identified in existing system :-

Pharmaceutical industry have some challenges for operational and strategic use that involves clinical research and clinical trial as well as patient care that involve diagnostic-care. Clinical research is measurement of safety and effectiveness of drug while clinical trial is information gathering of side effects. Another term is diagnostic-case, which is process of identifying cause of symptom.

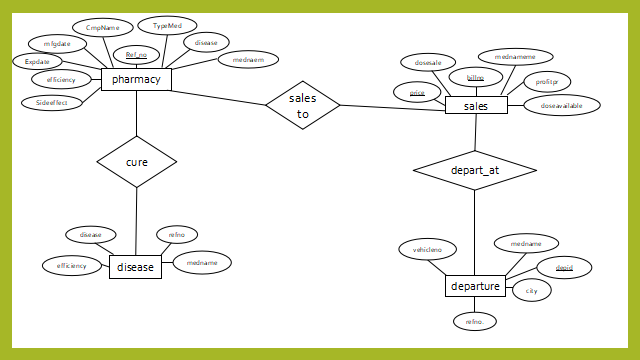
Companies usually develop some drugs in particular area that have good facility but those drugs are using globally, so they must aware of regulation in each different countries. Somehow, the challenges in the operational use due to lack of connectivity between main office and branch across the region.

Proposed System :-

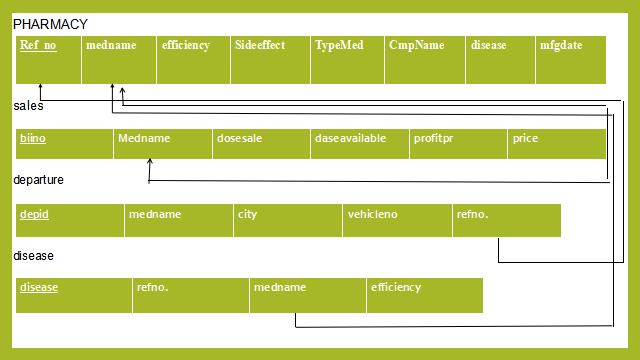
This program can be used in any Pharmaceutical company having a database to maintain. The software used can generate reports, as per the user's requirements.

Pharmaceutical company management system deals with the maintenance of drugs and consumables in the pharmacy unit. A summarized list of drugs dispensed to patient can be viewed for monitoring purposes. It is the user-friendly application for Pharmaceutical company which reduces the burden and helps to manage all sections of company like Medicine management and Billing etc., which improve the processing efficiency.

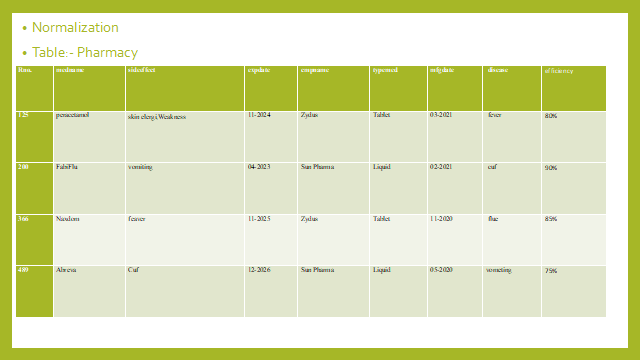
ER DIAGRAM:-

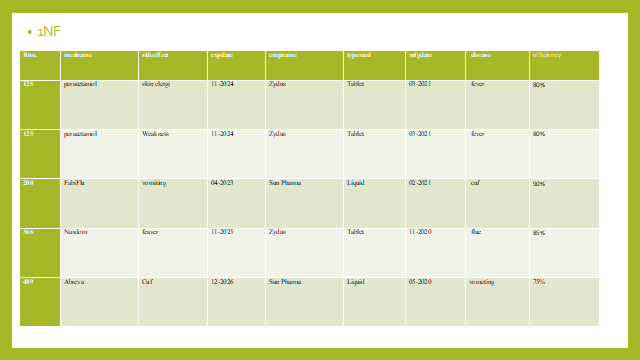


ER Diagram to Relational Schema



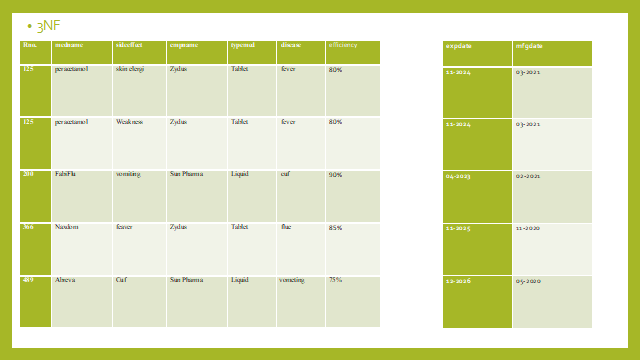
Normalization

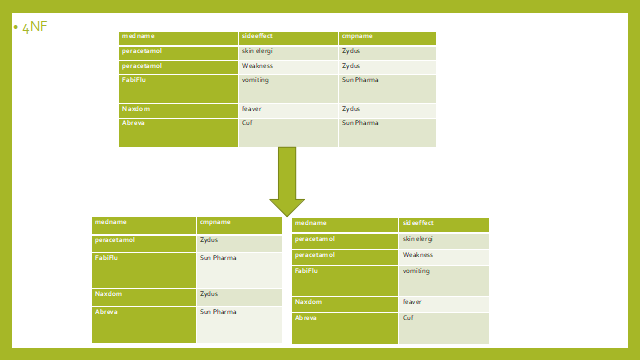




2NF

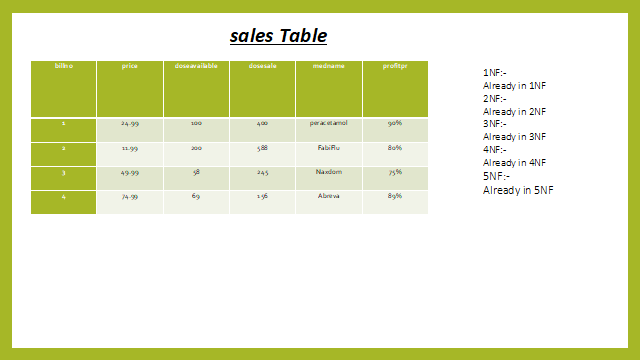
Already in 2NF

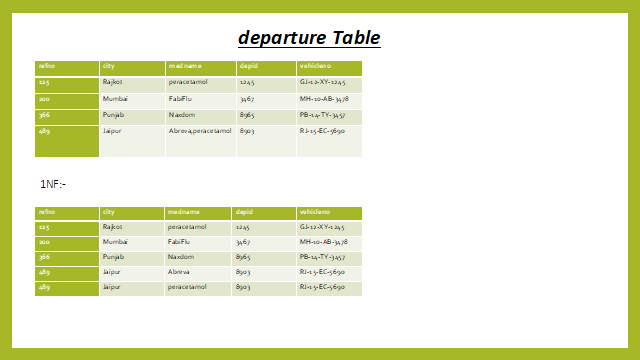




5NF

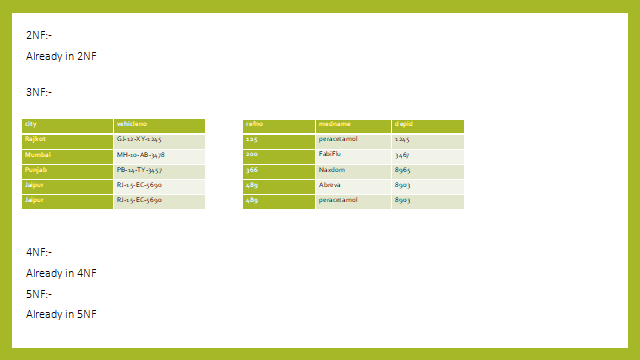
Already in 5NF





2NF:-

Already in 2NF



4NF:-

Already in 4NF

5NF:-

Already in 5NF

Software Specification :-

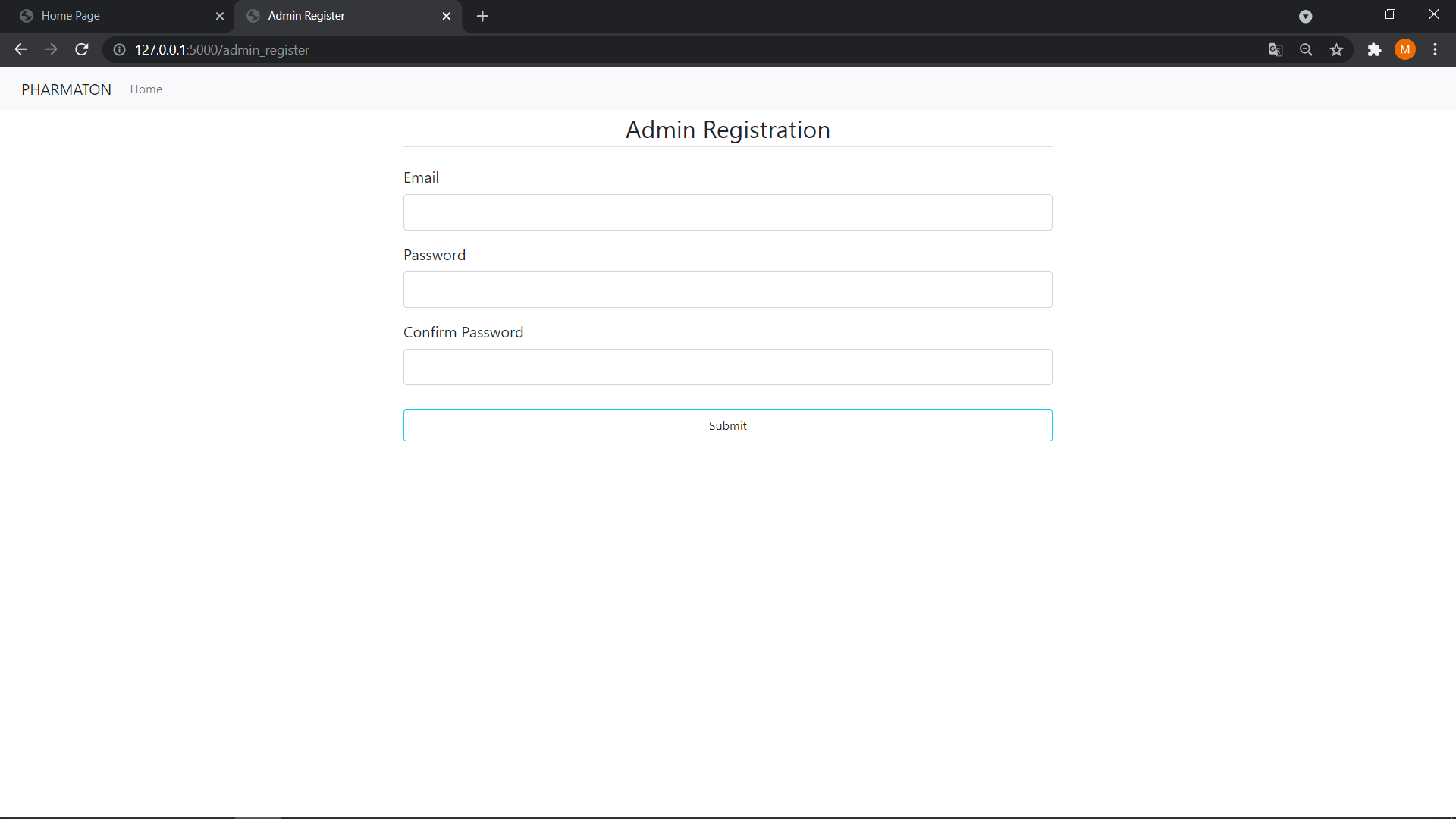
--> PyCharm

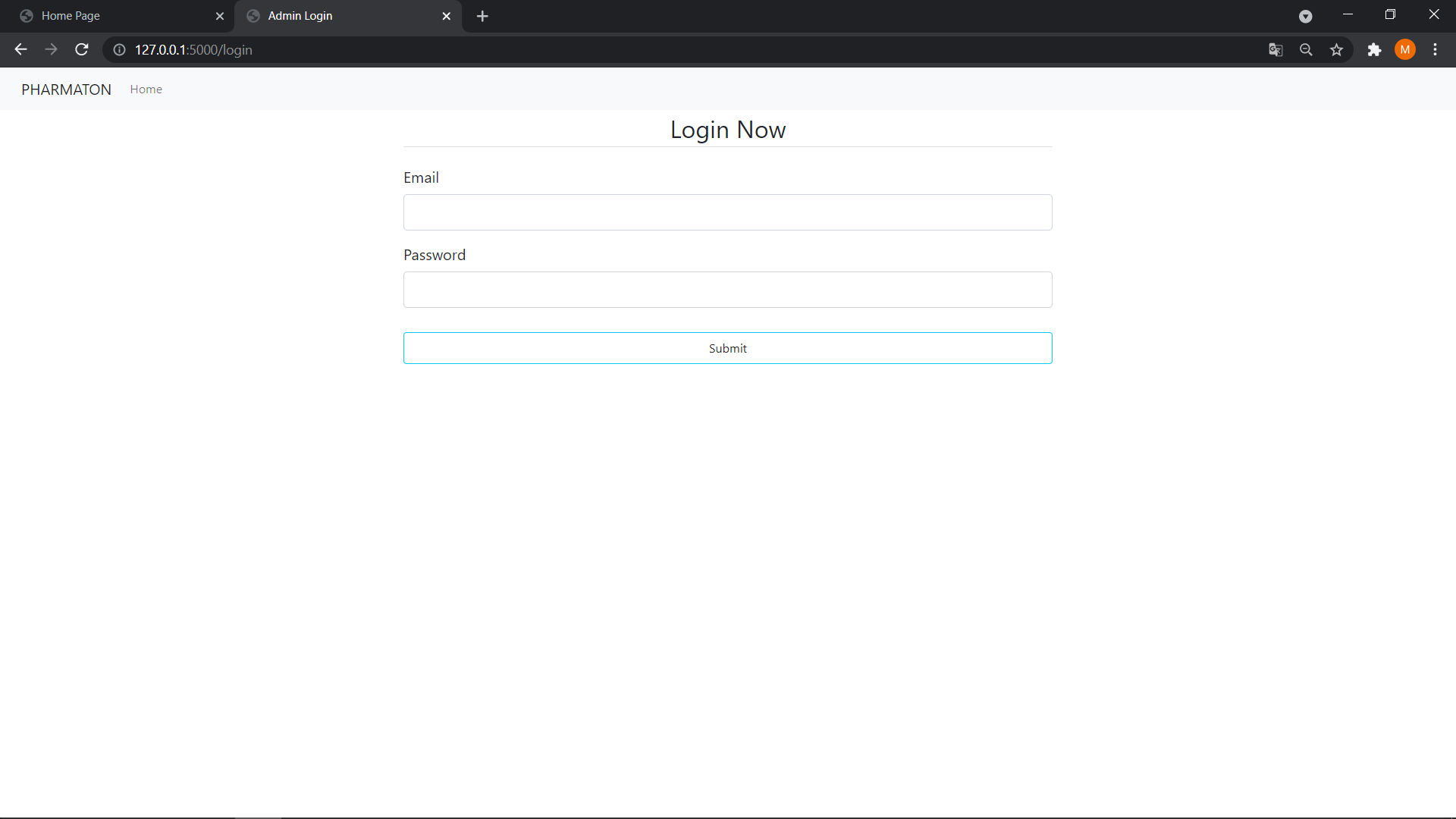
--> MySQL

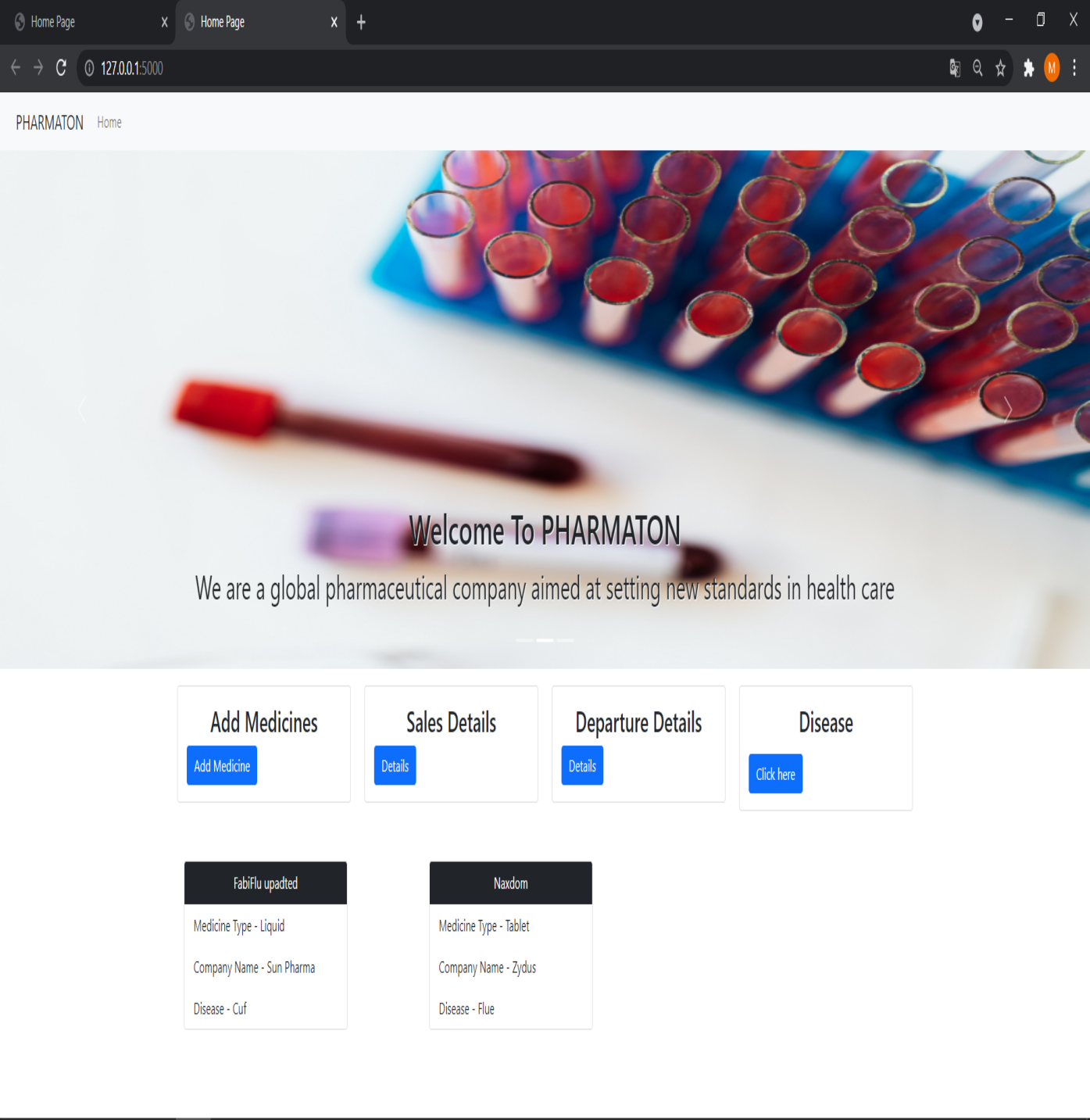
--> Xampp

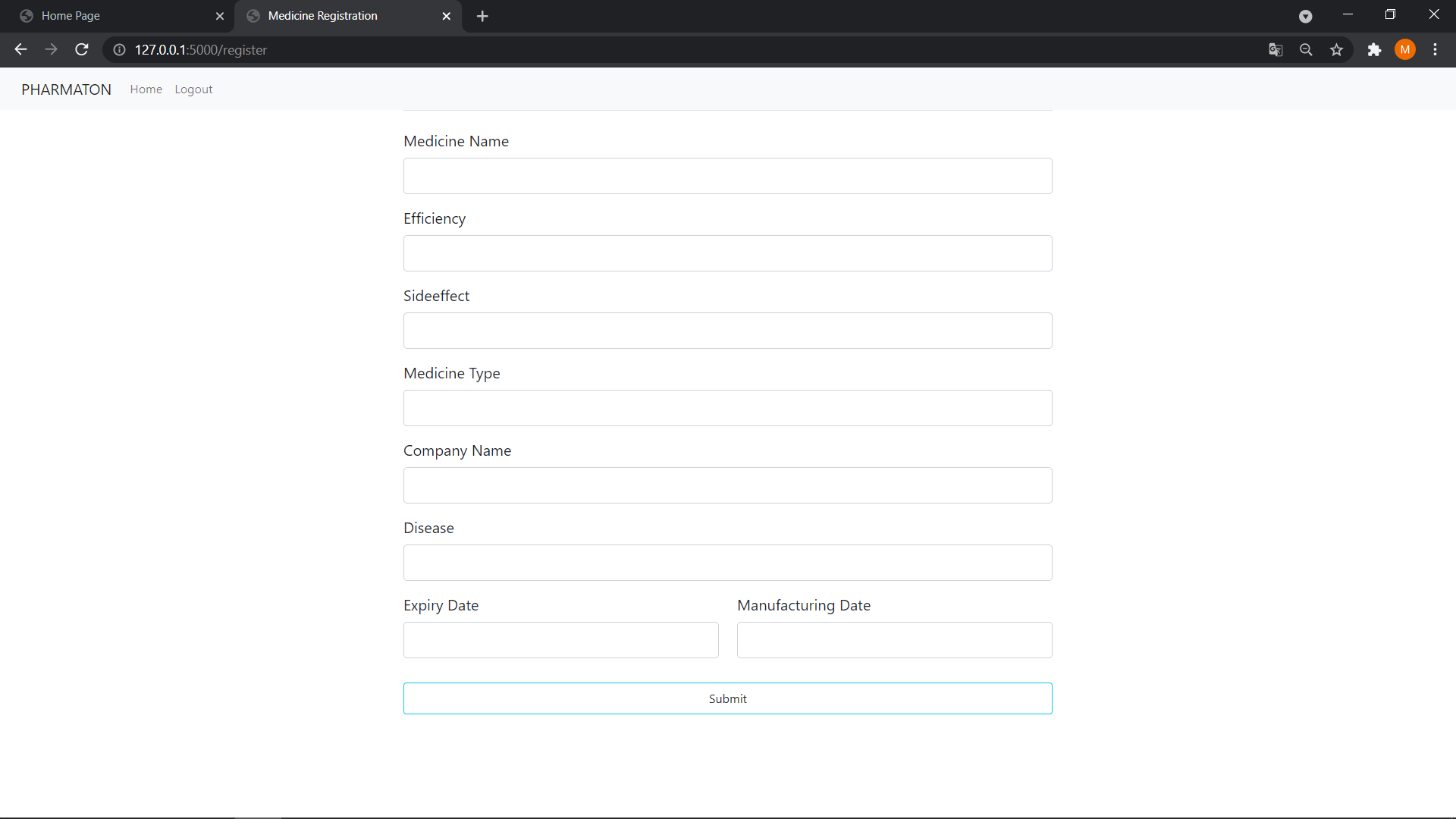
--> PHPMyAdmin

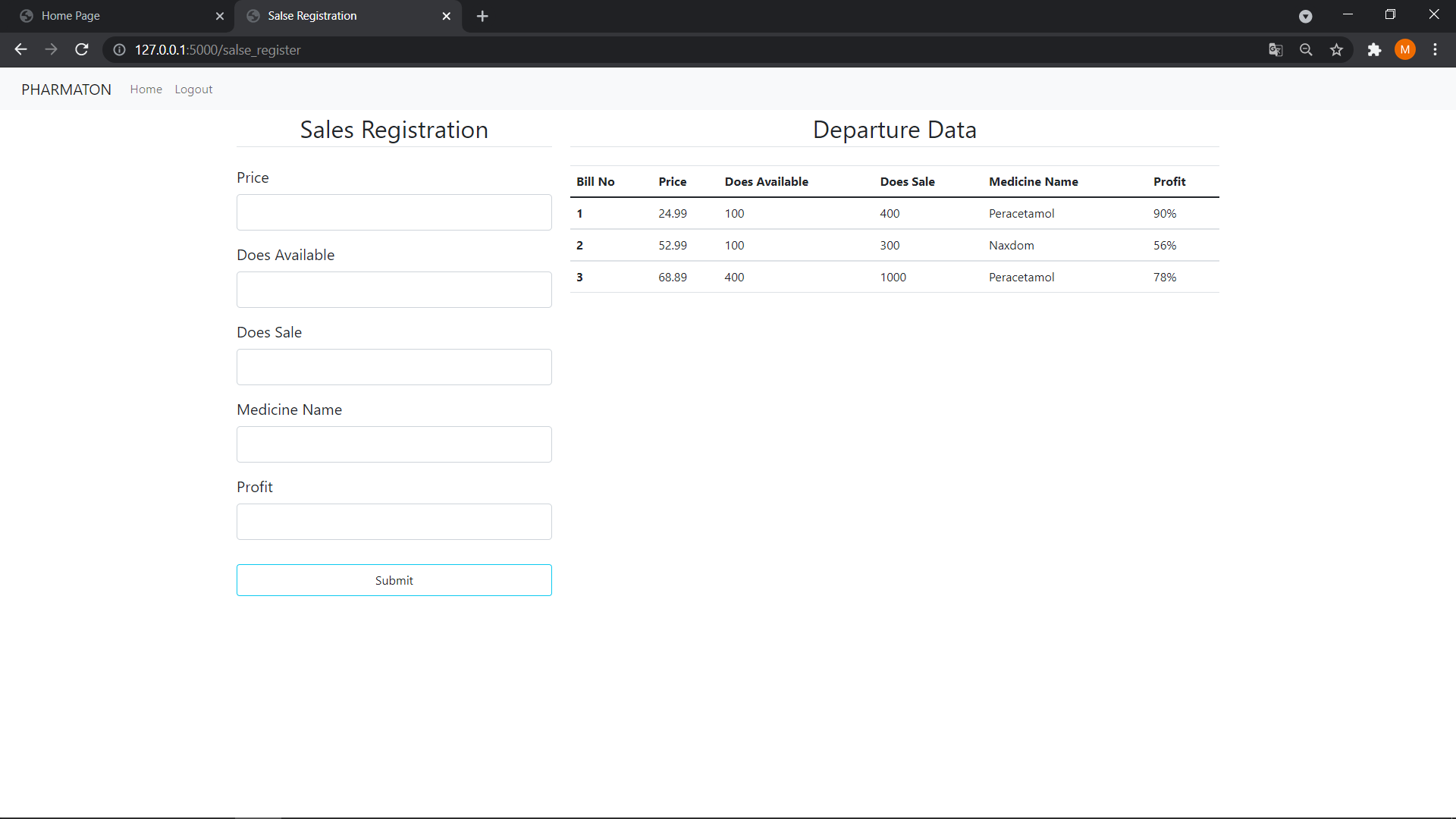
Snapshots (Input and output)

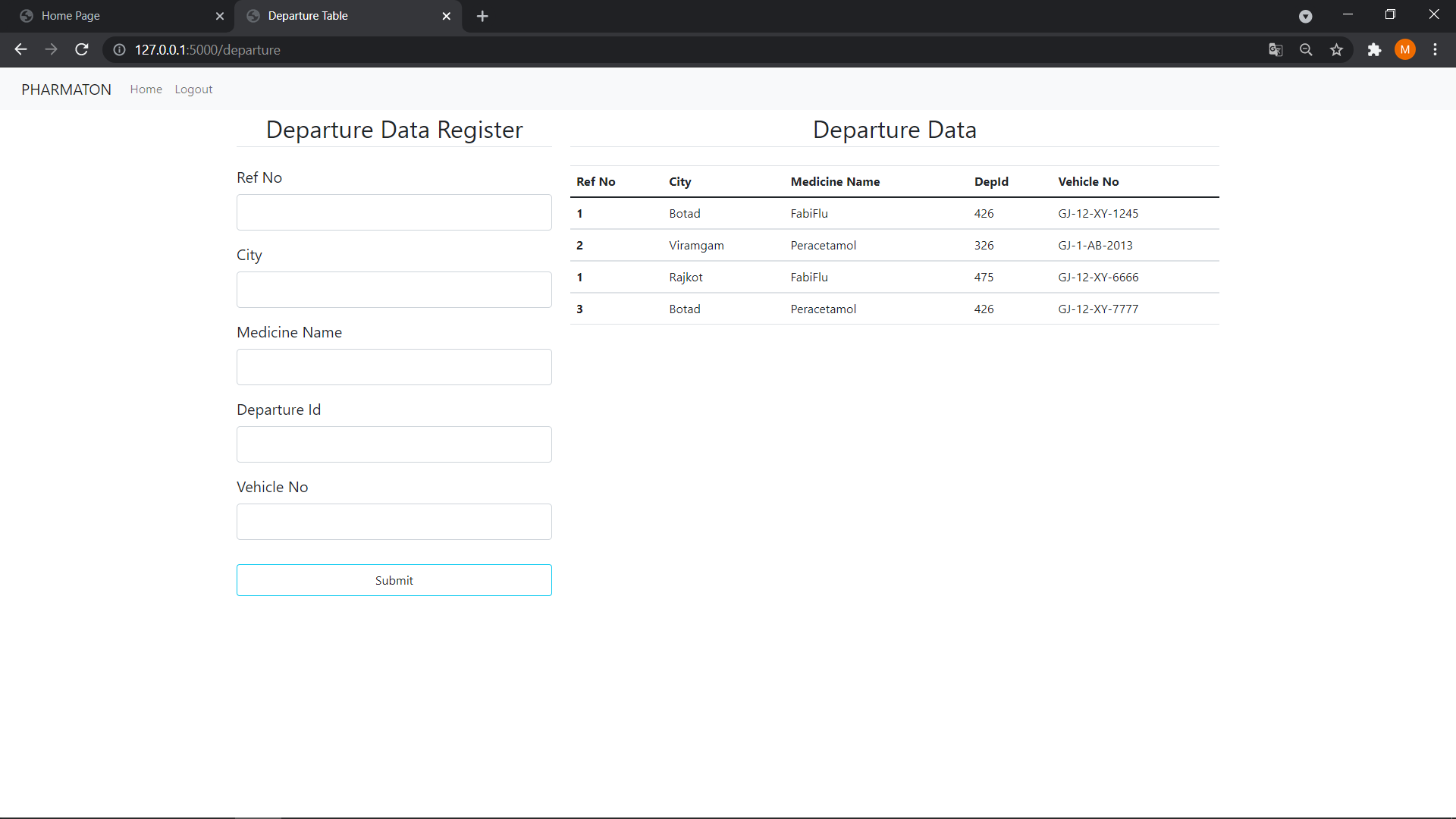


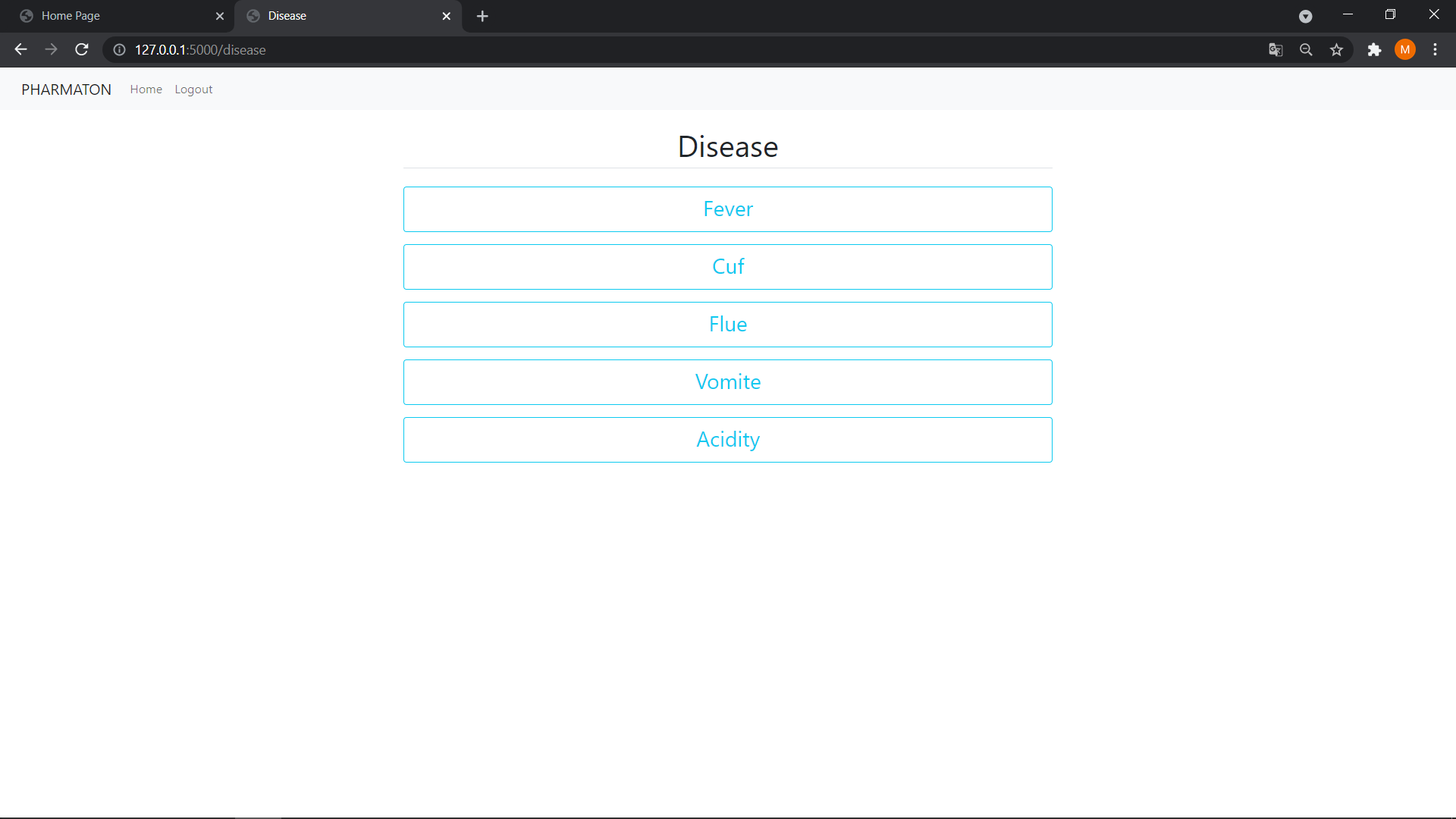


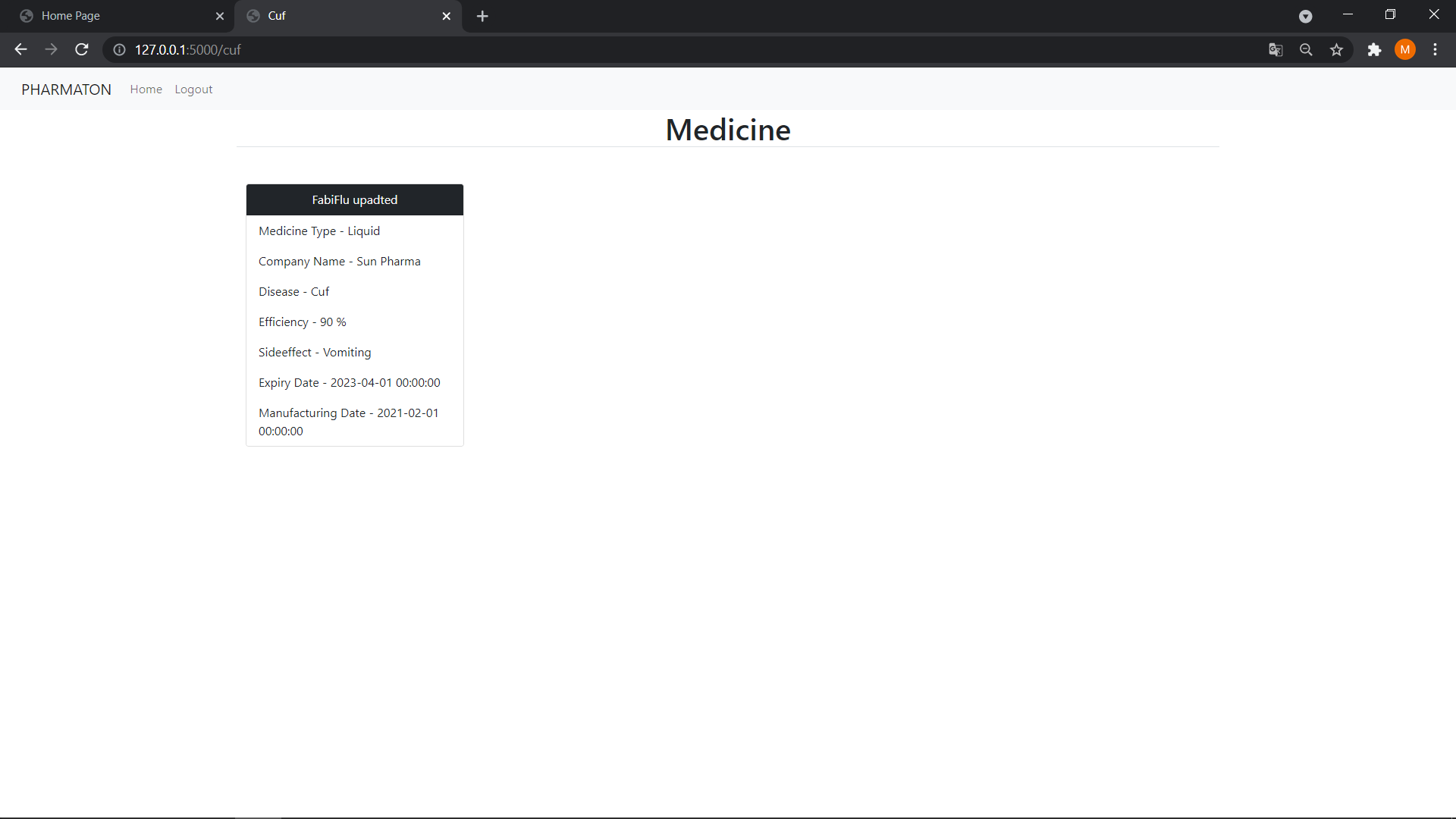












Conclusion & Future Scope:

This project was done on a small scale with minimal user interface. The project can be improved with better Front-end user interface and connection from real dealers can be added to the Pharmaceutical Company Management website. Features like Recommendations can be added and the items can be divided into different tabs instead of a single page view.

Thank You

**BACK END CODES:-**

MAIN:-

from pharmaton import app  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 app.run(debug=True)

ROUTES:-

from flask import render\_template, redirect, url\_for, request, flash, abort  
from pharmaton.forms import RegistrationForm, LoginForm, AdminForm, SalesForm, DepartureForm, DiseaseForm  
from pharmaton import app, db, bcrypt  
from pharmaton.models import Medicine, User, Sales, Departure, Add\_disease  
from flask\_login import login\_user, current\_user, logout\_user, login\_required  
  
# paths  
  
@app.route("/")  
@app.route("/home")  
def home():  
 medn = Medicine.query.all() # fetch whole table medicine  
 return render\_template('Home.html', title='Home Page', medn=medn)  
  
  
# Admin Login, Registration and Logout  
  
@app.route('/admin\_register', methods=['GET', 'POST'])  
def admin\_register():  
 if current\_user.is\_authenticated:  
 return redirect(url\_for('home'))  
  
 form = AdminForm()  
 if form.validate\_on\_submit():  
 hash\_password = bcrypt.generate\_password\_hash(form.password.data).decode('utf-8')  
 user = User(email=form.email.data, password=hash\_password)  
 db.session.add(user)  
 db.session.commit()  
 flash('Admin Register successfully', category='success')  
 return redirect(url\_for('home'))  
 return render\_template('admin\_register.html', title='Admin Register', form=form)  
  
  
@app.route("/login", methods=['GET', 'POST'])  
def login():  
 if current\_user.is\_authenticated:  
 return redirect(url\_for('home'))  
  
 form = LoginForm()  
 if form.validate\_on\_submit():  
 user = User.query.filter\_by(email=form.email.data).first()  
 if user and bcrypt.check\_password\_hash(user.password, form.password.data):  
 login\_user(user)  
 flash('You are login successfully', category='success')  
 return redirect(url\_for('home'))  
 else:  
 flash(f'Login unsuccessful please check your email and password', 'danger')  
 return render\_template('login.html', title='Admin Login', form=form)  
  
  
@app.route('/logout')  
def logout():  
 logout\_user()  
 return redirect('home')  
  
  
@app.route('/register', methods=['POST', 'GET'])  
@login\_required  
def register():  
 form = RegistrationForm()  
 if form.validate\_on\_submit():  
 med = Medicine(medname=form.medname.data, efficiency=form.efficiency.data, sideeffect=form.sideeffect.data,  
 typemed=form.typemed.data, cmpname=form.cmpname.data, disease=form.disease.data,  
 expdate=form.expdate.data, mfgdate=form.mfgdate.data, author=current\_user)  
 db.session.add(med)  
 db.session.commit()  
 flash('Medicine Register Successfully', category='success')  
 return redirect(url\_for('home'))  
  
 return render\_template('register.html', title='Medicine Registration', form=form)  
  
  
# Medicine update and delete  
  
@app.route("/medicine/<int:med\_id>")  
def medicine(med\_id):  
 medicine = Medicine.query.get\_or\_404(med\_id)  
 return render\_template('medicine.html', medicine=medicine, title='Medicine')  
  
  
@app.route("/medicine/<int:med\_id>/update", methods=['GET', 'POST'])  
def update\_medicine(med\_id):  
 medicine = Medicine.query.get\_or\_404(med\_id)  
  
 if medicine.author != current\_user:  
 abort(403)  
  
 form = RegistrationForm()  
 if form.validate\_on\_submit():  
 medicine.medname = form.medname.data  
 medicine.efficiency = form.efficiency.data  
 medicine.sideeffect = form.sideeffect.data  
 medicine.typemed = form.typemed.data  
 medicine.cmpname = form.cmpname.data  
 medicine.disease = form.disease.data  
 medicine.expdate = form.expdate.data  
 medicine.mfgdate = form.mfgdate.data  
 db.session.commit()  
 flash('Your medicine has been updated!!', 'success')  
 return redirect(url\_for('medicine', med\_id=medicine.ref\_no))  
 elif request.method == 'GET':  
 form.medname.data = medicine.medname  
 form.efficiency.data = medicine.efficiency  
 form.sideeffect.data = medicine.sideeffect  
 form.typemed.data = medicine.typemed  
 form.cmpname.data = medicine.cmpname  
 form.disease.data = medicine.disease  
 form.expdate.data = medicine.expdate  
 form.mfgdate.data = medicine.mfgdate  
  
 return render\_template('register.html', form=form, title='Update medicine', legend='Update Medicine')  
  
  
@app.route("/medicine/<int:med\_id>/delete", methods=["POST"])  
@login\_required  
def delete\_medicine(med\_id):  
 medicine = Medicine.query.get\_or\_404(med\_id)  
  
 if medicine.author != current\_user:  
 abort(403)  
 db.session.delete(medicine)  
 db.session.commit()  
 flash('Your medicine has been deleted!', 'success')  
 return redirect(url\_for('home'))  
  
  
# <----------------Sales table------------------>  
  
@app.route('/salse\_register', methods=['GET', 'POST'])  
def salse\_register():  
 form = SalesForm()  
 if form.validate\_on\_submit():  
 sale = Sales(price=form.price.data, does\_available=form.does\_available.data, dose\_sale=form.dose\_sale.data,  
 medname=form.medname.data, profit=form.profit.data)  
 db.session.add(sale)  
 db.session.commit()  
 flash('Registration successfully', category='success')  
 return redirect(url\_for('salse\_register'))  
  
 med = Sales.query.all()  
  
 return render\_template('salse\_register.html', title='Salse Registration', form=form, legend='Sales Registration',  
 med=med)  
  
  
# <--------------------Departure table---------------->  
  
  
@app.route('/departure', methods=['GET', 'POST'])  
def departure():  
 form = DepartureForm()  
 if form.validate\_on\_submit():  
 dep = Departure(ref\_no=form.ref\_no.data, city=form.city.data, medname=form.medname.data, depid=form.depid.data,  
 vehicleno=form.vehicleno.data)  
 db.session.add(dep)  
 db.session.commit()  
 flash('Departure Data added successfully !!', category='success')  
 return redirect(url\_for('departure'))  
  
 dep = Departure.query.all()  
  
 return render\_template('departure.html', form=form, title='Departure Table', legend='Departure Data Register',  
 dep=dep)  
  
  
# <-----------------Disease-------------------->  
  
@app.route('/disease')  
def disease():  
 disease = Add\_disease.query.all()  
  
 return render\_template('disease.html', title='Disease', disease=disease)  
  
  
@app.route('/add\_disease', methods=['GET', 'POST'])  
def add\_disease():  
 form = DiseaseForm()  
 if form.validate\_on\_submit():  
 dis = Add\_disease(disease=form.disease.data)  
 db.session.add(dis)  
 db.session.commit()  
 flash('Disease added successfully !!!', category='success')  
 return redirect(url\_for('disease'))  
 return render\_template('add\_disease.html', title='Add Disease', form=form)  
  
  
@app.route('/fever')  
def Fever():  
 emp = Medicine.query.filter\_by(disease='Fever')  
  
 return render\_template('fever.html', title='Fever', emp=emp)  
  
  
@app.route('/cuf')  
def Cuf():  
 emp = Medicine.query.filter\_by(disease='Cuf')  
  
 return render\_template('fever.html', title='Cuf', emp=emp)  
  
@app.route('/flue')  
def Flue():  
 emp = Medicine.query.filter\_by(disease='Flue')  
  
 return render\_template('fever.html', title='Flue', emp=emp)  
  
@app.route('/vomite')  
def Vomite():  
 emp = Medicine.query.filter\_by(disease='Vomite')  
  
 return render\_template('fever.html', title='Vomite', emp=emp)  
  
@app.route('/acidity')  
def Acidity():  
 emp = Medicine.query.filter\_by(disease='Acidity')  
  
 return render\_template('fever.html', title='Acidity', emp=emp)

FORMS:-

from flask\_wtf import FlaskForm  
from wtforms import StringField, IntegerField, DateField, SubmitField, PasswordField, FloatField  
from wtforms.validators import DataRequired, Email, EqualTo, ValidationError  
from pharmaton.models import User  
  
  
class RegistrationForm(FlaskForm):  
 medname = StringField('Medicine Name', validators=[DataRequired()])  
 efficiency = IntegerField('Efficiency', validators=[DataRequired()])  
 sideeffect = StringField('Sideeffect', validators=[DataRequired()])  
 typemed = StringField('Medicine Type', validators=[DataRequired()])  
 cmpname = StringField('Company Name', validators=[DataRequired()])  
 disease = StringField('Disease', validators=[DataRequired()])  
 expdate = DateField('Expiry Date', format='%m-%Y', validators=[DataRequired()])  
 mfgdate = DateField('Manufacturing Date', format='%m-%Y', validators=[DataRequired()])  
 submit = SubmitField('Submit')  
  
  
class LoginForm(FlaskForm):  
 email = StringField('Email', validators=[DataRequired(), Email()])  
 password = PasswordField('Password', validators=[DataRequired()])  
 submit = SubmitField('Submit')  
  
  
class AdminForm(FlaskForm):  
 email = StringField('Email', validators=[DataRequired(), Email()])  
 password = PasswordField('Password', validators=[DataRequired()])  
 confirm\_password = PasswordField('Confirm Password', validators=[EqualTo('password')])  
 submit = SubmitField('Submit')  
  
 def validate\_email(self, email):  
 email = User.query.filter\_by(email=email.data).first()  
 if email:  
 raise ValidationError('That email is taken.Please choose a different one.')  
  
  
class SalesForm(FlaskForm):  
 price = FloatField('Price', validators=[DataRequired()])  
 does\_available = IntegerField('Does Available', validators=[DataRequired()])  
 dose\_sale = IntegerField('Does Sale', validators=[DataRequired()])  
 medname = StringField('Medicine Name', validators=[DataRequired()])  
 profit = IntegerField('Profit', validators=[DataRequired()])  
 submit = SubmitField('Submit')  
  
  
class DepartureForm(FlaskForm):  
 ref\_no = IntegerField('Ref No', validators=[DataRequired()])  
 city = StringField('City', validators=[DataRequired()])  
 medname = StringField('Medicine Name', validators=[DataRequired()])  
 depid = IntegerField('Departure Id', validators=[DataRequired()])  
 vehicleno = StringField('Vehicle No', validators=[DataRequired()])  
 submit = SubmitField('Submit')  
  
  
class DiseaseForm(FlaskForm):  
 disease = StringField('Disease', validators=[DataRequired()])  
 submit = SubmitField('Add Disease')

\_INIT\_ :-

from flask import Flask  
from flask\_sqlalchemy import SQLAlchemy  
from flask\_bcrypt import Bcrypt  
from flask\_login import LoginManager  
  
# models define  
  
app = Flask(\_\_name\_\_)  
app.config['SECRET\_KEY'] = "ae78979847432e2d0361f173db4d3573"  
app.config['SQLALCHEMY\_DATABASE\_URI'] = 'mysql://root:@localhost/test'  
bcrypt = Bcrypt(app)  
login\_manager = LoginManager(app)  
login\_manager.login\_view = 'home'  
login\_manager.login\_message = 'Only admin can access this!!'  
login\_manager.login\_message\_category = 'info'  
db = SQLAlchemy(app)  
  
from pharmaton import routes

MODELS:-

from pharmaton import db, login\_manager  
from flask\_login import UserMixin  
  
# for database class  
  
@login\_manager.user\_loader  
def load\_user(user\_id):  
 return User.query.get(int(user\_id))  
  
  
class User(db.Model, UserMixin):  
 id = db.Column(db.Integer, primary\_key=True)  
 email = db.Column(db.String(80), unique=True, nullable=False)  
 password = db.Column(db.String(80), nullable=False)  
 posts = db.relationship('Medicine', backref='author', lazy=True)  
  
 def \_\_repr\_\_(self):  
 return f"User('{self.email}')"  
  
  
class Medicine(db.Model):  
 ref\_no = db.Column(db.Integer, primary\_key=True)  
 medname = db.Column(db.String(80), unique=True, nullable=False)  
 efficiency = db.Column(db.Integer, nullable=False)  
 sideeffect = db.Column(db.String(80), nullable=False)  
 typemed = db.Column(db.String(80), nullable=False)  
 cmpname = db.Column(db.String(80), nullable=False)  
 disease = db.Column(db.String(80), nullable=False)  
 expdate = db.Column(db.DateTime(80), nullable=False)  
 mfgdate = db.Column(db.DateTime(80), nullable=False)  
 user\_id = db.Column(db.Integer, db.ForeignKey('user.id'), nullable=False)  
  
 def \_\_repr\_\_(self):  
 return f"Medicine('{self.medname}','{self.sideeffect}','{self.typemed}','{self.cmpname}','{self.disease}')"  
  
  
class Sales(db.Model):  
 id = db.Column(db.Integer, primary\_key=True)  
 price = db.Column(db.Float, nullable=False)  
 does\_available = db.Column(db.Integer, nullable=False)  
 dose\_sale = db.Column(db.Integer, nullable=False)  
 medname = db.Column(db.String(70), nullable=False)  
 profit = db.Column(db.Integer, nullable=False)  
  
 def \_\_repr\_\_(self):  
 return f"Sales('{self.medname}')"  
  
  
class Departure(db.Model):  
 id = db.Column(db.Integer, primary\_key=True)  
 ref\_no = db.Column(db.Integer, nullable=False)  
 city = db.Column(db.String(70), nullable=False)  
 medname = db.Column(db.String(70), nullable=False)  
 depid = db.Column(db.Integer, nullable=False)  
 vehicleno = db.Column(db.String(70), nullable=False)  
  
 def \_\_repr\_\_(self):  
 return f"Departure('{self.medname}','{self.vehicleno}')"  
  
  
class Add\_disease(db.Model):  
 id = db.Column(db.Integer, primary\_key=True)  
 disease = db.Column(db.String(70), nullable=False)  
  
 def \_\_repr\_\_(self):  
 return f"Add\_disease('{self.disease}')"

**FRONT END CODES:-**

ADD\_DISEASE:-

{% extends "layout.html" %}

{% block content %}

    <div class="container content-section bg-font">

        <div class="row justify-content-md-center">

            <div class="col col-lg-8">

                <form action="" method="post">

                    {{ form.hidden\_tag() }}

                        <fieldset class="form-group ">

                            <legend class="border-bottom mb-4 fs-2 text-center">Add Disease</legend>

                            <div class="form-group">

                                {{ form.disease.label(class='form-control-talble fs-5') }}

                                {% if form.disease.errors %}

                                    {{ form.disease(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.disease.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.disease(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                        </fieldset>

                        <div class="form-group">

                            {{ form.submit(class='btn btn-outline-info form-control form-control-lg text-dark') }}

                        </div>

                </form>

            </div>

        </div>

    </div>

{% endblock content %}

ADMIN\_REGISTER:-

{% extends "layout.html" %}

{% block content %}

    <div class="container content-section bg-font">

        <div class="row justify-content-md-center">

            <div class="col col-lg-8">

                <form action="" method="post">

                    {{ form.hidden\_tag() }}

                        <fieldset class="form-group ">

                            <legend class="border-bottom mb-4 fs-2 text-center">Admin Registration</legend>

                            <div class="form-group">

                                {{ form.email.label(class='form-control-talble fs-5') }}

                                {% if form.email.errors %}

                                    {{ form.email(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.email.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.email(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.password.label(class='form-control-talble fs-5') }}

                                {% if form.password.errors %}

                                    {{ form.password(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.password.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.password(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.confirm\_password.label(class='form-control-talble fs-5') }}

                                {% if form.confirm\_password.errors %}

                                    {{ form.confirm\_password(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.confirm\_password.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.confirm\_password(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                        </fieldset>

                        <div class="form-group">

                            {{ form.submit(class='btn btn-outline-info form-control form-control-lg text-dark') }}

                        </div>

                </form>

            </div>

        </div>

    </div>

{% endblock content %}

DEPARTURE:-

{% extends "layout.html" %}

{% block content %}

    <div class="container content-section bg-font">

        <div class="row">

            <div class="col col-4">

                <form action="" method="post">

                    {{ form.hidden\_tag() }}

                        <fieldset class="form-group ">

                            <legend class="border-bottom mb-4 fs-2 text-center">{{ legend }}</legend>

                            <div class="form-group">

                                {{ form.ref\_no.label(class='form-control-talble fs-5') }}

                                {% if form.ref\_no.errors %}

                                    {{ form.ref\_no(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.ref\_no.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.ref\_no(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.city.label(class='form-control-talble fs-5') }}

                                {% if form.city.errors %}

                                    {{ form.city(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.city.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.city(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.medname.label(class='form-control-talble fs-5') }}

                                {% if form.medname.errors %}

                                    {{ form.medname(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.medname.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.medname(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.depid.label(class='form-control-talble fs-5') }}

                                {% if form.depid.errors %}

                                    {{ form.depid(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.depid.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.depid(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.vehicleno.label(class='form-control-talble fs-5') }}

                                {% if form.vehicleno.errors %}

                                    {{ form.vehicleno(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.vehicleno.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.vehicleno(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                        </fieldset>

                        <div class="form-group">

                            {{ form.submit(class='btn btn-outline-info form-control form-control-lg text-dark') }}

                        </div>

                </form>

            </div>

            <!-- Table -->

            <div class="col col-8">

                <legend class="border-bottom mb-4 fs-2 text-center">Departure Data</legend>

                <table class="table">

                    <thead>

                        <tr>

                            <th scope="col">Ref No</th>

                            <th scope="col">City</th>

                            <th scope="col">Medicine Name</th>

                            <th scope="col">DepId</th>

                            <th scope="col">Vehicle No</th>

                        </tr>

                    </thead>

                    {% for d in dep %}

                    <tbody>

                        <tr>

                            <th scope="row">{{ d.ref\_no }}</th>

                                <td>{{ d.city }}</td>

                                <td>{{ d.medname }}</td>

                                <td>{{ d.depid }}</td>

                                <td>{{ d.vehicleno }}</td>

                        </tr>

                    </tbody>

                    {% endfor %}

                </table>

            </div>

        </div>

    </div>

{% endblock content %}

DISEASE:-

{% extends "layout.html" %}

{% block content %}

    <div class="container content-section bg-font mt-3">

        <div class="row justify-content-md-center">

            <div class="col col-lg-8">

                <legend class="border-bottom mb-4 fs-1 text-center">Disease</legend>

            </div>

        </div>

    </div>

    {% for d in disease %}

    <div class="container content-section bg-font mb-3">

        <div class="row justify-content-md-center">

            <div class="col col-lg-8">

                <a href="{{ url\_for(d.disease) }}" class="btn btn-outline-info form-control form-control-lg fs-3">{{ d.disease }}</a>

            </div>

        </div>

    </div>

    {% endfor %}

{% endblock content %}

FEVER:-

% extends "layout.html" %}

{% block content %}

    <div class="container">

        <h1 class="text-center border-bottom mb-4">

            Medicine

        </h1>

    </div>

    <div class="container mt-4 mb-4">

        <div class="container">

        <div class="row ">

                {% for e in emp %}

                <div class="col-lg-4 mt-4">

                <div class="card" style="width: 18rem;">

                        <div class="card-header text-center bg-dark text-light">

                              {{ e.medname }}

                        </div>

                          <ul class="list-group list-group-flush">

                              <li class="list-group-item">Medicine Type - {{ e.typemed }}</a></li>

                  <li class="list-group-item">Company Name - {{ e.cmpname }}</li>

                  <li class="list-group-item">Disease - {{ e.disease }}</li>

                  <li class="list-group-item">Efficiency - {{ e.efficiency }} %</li>

                  <li class="list-group-item">Sideeffect - {{ e.sideeffect }}</li>

                  <li class="list-group-item">Expiry Date - {{ e.expdate }}</li>

                  <li class="list-group-item">Manufacturing Date - {{ e.mfgdate }}</li>

                  </ul>

                </div>

                </div>

          {% endfor %}

            </div>

        </div>

    </div>

{% endblock content %}

HOME:-

{% extends "layout.html" %}

{% block content %}

  <div id="carouselExampleCaptions" class="carousel slide" data-bs-ride="carousel">

        <div class="carousel-indicators">

            <button type="button" data-bs-target="#carouselExampleCaptions" data-bs-slide-to="0" class="active"

                aria-current="true" aria-label="Slide 1"></button>

            <button type="button" data-bs-target="#carouselExampleCaptions" data-bs-slide-to="1"

                aria-label="Slide 2"></button>

            <button type="button" data-bs-target="#carouselExampleCaptions" data-bs-slide-to="2"

                aria-label="Slide 3"></button>

        </div>

        <div class="carousel-inner">

            <div class="carousel-item active">

                <img src="{{ url\_for ('static', filename='images/slide-1.jpg')}}" style="height: 500px;" class="d-block w-100" alt="...">

                <div class="carousel-caption d-none d-md-block text-dark">

                    <h1 style="text-shadow: 1px 1px whitesmoke;">Welcome To PHARMATON</h1>

                    <p class="fs-2" style="text-shadow: 1px 1px whitesmoke;">We are a global pharmaceutical company aimed at setting new standards in health care</p>

                </div>

            </div>

            <div class="carousel-item">

                <img src="{{ url\_for ('static', filename='images/slide-2.jpg')}}" style="height: 500px;" class="d-block w-100" alt="...">

                <div class="carousel-caption d-none d-md-block text-dark">

                    <h1 style="text-shadow: 1px 1px whitesmoke;">Welcome To PHARMATON</h1>

                    <p class="fs-2" style="text-shadow: 1px 1px whitesmoke;">We are a global pharmaceutical company aimed at setting new standards in health care</p>

                </div>

            </div>

            <div class="carousel-item">

                <img src="{{ url\_for ('static', filename='images/slide-3.jpg')}}" style="height: 500px;" class="d-block w-100" alt="...">

                <div class="carousel-caption d-none d-md-block text-dark">

                    <h1 style="text-shadow: 1px 1px whitesmoke;">Welcome To PHARMATON</h1>

                    <p class="fs-2" style="text-shadow: 1px 1px whitesmoke;">We are a global pharmaceutical company aimed at setting new standards in health care</p>

                </div>

            </div>

        </div>

        <button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleCaptions"

            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="#carouselExampleCaptions"

            data-bs-slide="next">

            <span class="carousel-control-next-icon" aria-hidden="true"></span>

            <span class="visually-hidden">Next</span>

        </button>

  </div>

    <div class="container mt-3">

      <div class="row">

        <div class="col-sm-3">

          <div class="card">

            <div class="card-body">

              <h5 class="card-title text-center fs-3 ">Add Medicines</h5>

              <!-- <p class="card-text">Add new medicines here. Only admin can add new medicine.</p> -->

              <a href="{{ url\_for('register') }}" class="btn btn-primary">Add Medicine</a>

            </div>

          </div>

        </div>

        <div class="col-sm-3">

          <div class="card">

            <div class="card-body">

              <h5 class="card-title text-center fs-3 ">Sales Details</h5>

              <!-- <p class="card-text">The sale details.Like price,profit and available dose etc.</p> -->

              <a href="{{  url\_for('salse\_register')}}" class="btn btn-primary">Details</a>

            </div>

          </div>

        </div>

        <div class="col-sm-3">

          <div class="card">

            <div class="card-body">

              <h5 class="card-title text-center fs-3 ">Departure Details</h5>

              <!-- <p class="card-text">Product departure details.Only admin can access this.</p> -->

              <a href="{{ url\_for('departure') }}" class="btn btn-primary">Details</a>

            </div>

          </div>

        </div>

        <div class="col-sm-3">

          <div class="card">

            <div class="card-body">

              <h5 class="card-title text-center fs-3 ">Disease</h5>

              <p class="card-text"></p>

              <a href="{{ url\_for('disease') }}" class="btn btn-primary">Click here</a>

            </div>

          </div>

        </div>

      </div>

    </div>

  <div class="container mt-4 mb-4">

    <div class="container">

        <div class="row">

          {% for m in medn %}

          <div class="col-lg-4 mt-4">

              <div class="card" style="width: 18rem;">

              <div class="card-header text-center bg-dark text-light">

                <a style="text-decoration: none;color: white" href="{{ url\_for('medicine', med\_id=m.ref\_no) }}">{{ m.medname }}</a>

              </div>

              <ul class="list-group list-group-flush">

                <li class="list-group-item">Medicine Type - {{ m.typemed }}</a></li>

                      <li class="list-group-item">Company Name - {{ m.cmpname }}</li>

                      <li class="list-group-item">Disease - {{ m.disease }}</li>

                    </ul>

                </div>

          </div>

          {% endfor %}

        </div>

    </div>

  </div>

{% endblock content %}

LAYOUT:-

<!doctype html>

<html lang="en">

  <head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Bootstrap CSS -->

    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOl7+AMvyTG2x" crossorigin="anonymous">

    <title>{{ title }}</title>

  </head>

  <body>

    <nav class="navbar navbar-expand-lg navbar-light bg-light">

        <div class="container-fluid">

            <a class="navbar-brand" href="#">PHARMATON</a>

            <button class="navbar-toggler" type="button" data-bs-toggle="collapse"

                data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"

                aria-label="Toggle navigation">

                <span class="navbar-toggler-icon"></span>

            </button>

            <div class="collapse navbar-collapse" id="navbarSupportedContent">

                <ul class="navbar-nav me-auto mb-2 mb-lg-0">

                    <li class="nav-item">

                        <a class="nav-link " aria-current="page" href="{{ url\_for('home') }}">Home</a>

                    </li>

                    {% if current\_user.is\_authenticated %}

                    <li class="nav-item">

                        <a class="nav-link " aria-current="page" href="{{ url\_for('logout') }}">Logout</a>

                    </li>

                    {% endif %}

                </ul>

            </div>

        </div>

    </nav>

    <div class="container">

      {% with messages=get\_flashed\_messages(with\_categories=true) %}

        {% if messages %}

          {% for category,message in messages %}

            <div class="alert alert-{{ category }}">

              <small>{{ message }}</small>

            </div>

          {% endfor %}

        {% endif %}

      {% endwith %}

    </div>

    {% block content %}{% endblock %}

    <!-- Optional JavaScript; choose one of the two! -->

    <!-- Option 1: Bootstrap Bundle with Popper -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-gtEjrD/SeCtmISkJkNUaaKMoLD0//ElJ19smozuHV6z3Iehds+3Ulb9Bn9Plx0x4" crossorigin="anonymous"></script>

    <!-- Option 2: Separate Popper and Bootstrap JS -->

    <!--

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.min.js" integrity="sha384-Atwg2Pkwv9vp0ygtn1JAojH0nYbwNJLPhwyoVbhoPwBhjQPR5VtM2+xf0Uwh9KtT" crossorigin="anonymous"></script>

    -->

  </body>

</html>

LOGIN:-

{% extends "layout.html" %}

{% block content %}

    <div class="container content-section bg-font">

        <div class="row justify-content-md-center">

            <div class="col col-lg-8">

                <form action="" method="post">

                    {{ form.hidden\_tag() }}

                        <fieldset class="form-group ">

                            <legend class="border-bottom mb-4 fs-2 text-center">Login Now</legend>

                            <div class="form-group">

                                {{ form.email.label(class='form-control-talble fs-5') }}

                                {% if form.email.errors %}

                                    {{ form.email(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.email.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.email(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.password.label(class='form-control-talble fs-5') }}

                                {% if form.password.errors %}

                                    {{ form.password(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.password.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.password(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                        </fieldset>

                        <div class="form-group">

                            {{ form.submit(class='btn btn-outline-info form-control form-control-lg text-dark') }}

                        </div>

                </form>

            </div>

        </div>

    </div>

{% endblock content %}

MEDICINE:-

{% extends "layout.html" %}

{% block content %}

  <div class="container">

    <h1 class="text-center border-bottom mb-4">

      Medicine

    </h1>

  </div>

  <div class="container mt-4 mb-4">

    <div class="container">

        <div class="row justify-content-md-center">

          <div class="col-lg-4 mt-4">

              <div class="card" style="width: 18rem;">

                <div class="card-header text-center bg-dark text-light">

                  {{ medicine.medname }}

                </div>

                <ul class="list-group list-group-flush">

                  <li class="list-group-item">Medicine Type - {{ medicine.typemed }}</a></li>

                  <li class="list-group-item">Company Name - {{ medicine.cmpname }}</li>

                  <li class="list-group-item">Disease - {{ medicine.disease }}</li>

                  <li class="list-group-item">Efficiency - {{ medicine.efficiency }} %</li>

                  <li class="list-group-item">Sideeffect - {{ medicine.sideeffect }}</li>

                  <li class="list-group-item">Expiry Date - {{ medicine.expdate }}</li>

                  <li class="list-group-item">Manufacturing Date - {{ medicine.mfgdate }}</li>

                </ul>

                {% if medicine.author==current\_user %}

                    <div>

                      <a class="btn btn-secondary btn-sm mt-1 mb-1 ml-4" href="{{url\_for('update\_medicine', med\_id=medicine.ref\_no)}}">Update</a>

                      <button class="btn btn-danger btn-sm m-1" data-bs-toggle="modal" data-bs-target="#deleteModal" >Delete</button>

                    </div>

                {% endif %}

             </div>

          </div>

        </div>

    </div>

  </div>

   <!-- Modal -->

  <div class="modal fade" id="deleteModal" tabindex="-1" aria-labelledby="deleteModalLabel" aria-hidden="true">

    <div class="modal-dialog">

        <div class="modal-content">

            <div class="modal-header">

              <h5 class="modal-title" id="deleteModalLabel">Delete Medicine</h5>

              <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>

            </div>

            <div class="modal-footer">

              <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>

              <form action="{{ url\_for('delete\_medicine', med\_id=medicine.ref\_no) }}" method="post">

                <input class="btn btn-danger" type="submit" value="Delete" >

              </form>

          </div>

        </div>

      </div>

  </div>

{% endblock content %}

REGISTER:-

{% extends "layout.html" %}

{% block content %}

    <div class="container content-section bg-font">

        <div class="row justify-content-md-center">

            <div class="col col-lg-8">

                <form action="" method="post">

                    {{ form.hidden\_tag() }}

                        <fieldset class="form-group ">

                            <legend class="border-bottom mb-4 fs-2 text-center">{{ legend }}</legend>

                            <div class="form-group">

                                {{ form.medname.label(class='form-control-talble fs-5') }}

                                {% if form.medname.errors %}

                                    {{ form.medname(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.medname.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.medname(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.efficiency.label(class='form-control-talble fs-5') }}

                                {% if form.efficiency.errors %}

                                    {{ form.efficiency(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.efficiency.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.efficiency(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.sideeffect.label(class='form-control-talble fs-5') }}

                                {% if form.sideeffect.errors %}

                                    {{ form.sideeffect(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.sideeffect.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.sideeffect(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.typemed.label(class='form-control-talble fs-5') }}

                                {% if form.typemed.errors %}

                                    {{ form.typemed(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.typemed.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.typemed(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.cmpname.label(class='form-control-talble fs-5') }}

                                {% if form.cmpname.errors %}

                                    {{ form.cmpname(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.cmpname.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.cmpname(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.disease.label(class='form-control-talble fs-5') }}

                                {% if form.disease.errors %}

                                    {{ form.disease(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.disease.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.disease(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="row">

                                <div class="col-6">

                                    <div class="form-group">

                                        {{ form.expdate.label(class='form-control-talble fs-5') }}

                                        {% if form.expdate.errors %}

                                            {{ form.expdate(class='form-control form-control-lg is-invalid') }}

                                                <div class="invalid-feedback">

                                                    {% for error in form.expdate.errors %}

                                                        <span>{{ error }}</span>

                                                    {% endfor %}

                                                </div>

                                        {% else %}

                                            {{ form.expdate(class='form-control form-control-lg') }}

                                        {% endif %}

                                    </div>

                                </div>

                                <div class="col-6">

                                    <div class="form-group">

                                        {{ form.mfgdate.label(class='form-control-talble fs-5') }}

                                        {% if form.mfgdate.errors %}

                                            {{ form.mfgdate(class='form-control form-control-lg is-invalid') }}

                                                <div class="invalid-feedback">

                                                    {% for error in form.mfgdate.errors %}

                                                        <span>{{ error }}</span>

                                                    {% endfor %}

                                                </div>

                                        {% else %}

                                            {{ form.mfgdate(class='form-control form-control-lg') }}

                                        {% endif %}

                                    </div>

                                </div>

                            </div>

                        </fieldset>

                        <div class="form-group">

                            {{ form.submit(class='btn btn-outline-info form-control form-control-lg text-dark') }}

                        </div>

                </form>

            </div>

        </div>

    </div>

{% endblock content %}

SALES\_REGISTER:-

{% extends "layout.html" %}

{% block content %}

    <div class="container content-section bg-font">

        <div class="row">

            <div class="col col-4">

                <form action="" method="post">

                    {{ form.hidden\_tag() }}

                        <fieldset class="form-group ">

                            <legend class="border-bottom mb-4 fs-2 text-center">{{ legend }}</legend>

                            <div class="form-group">

                                {{ form.price.label(class='form-control-talble fs-5') }}

                                {% if form.price.errors %}

                                    {{ form.price(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.price.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.price(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.does\_available.label(class='form-control-talble fs-5') }}

                                {% if form.does\_available.errors %}

                                    {{ form.does\_available(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.does\_available.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.does\_available(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.dose\_sale.label(class='form-control-talble fs-5') }}

                                {% if form.dose\_sale.errors %}

                                    {{ form.dose\_sale(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.dose\_sale.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.dose\_sale(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.medname.label(class='form-control-talble fs-5') }}

                                {% if form.medname.errors %}

                                    {{ form.medname(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.medname.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.medname(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                            <div class="form-group">

                                {{ form.profit.label(class='form-control-talble fs-5') }}

                                {% if form.profit.errors %}

                                    {{ form.profit(class='form-control form-control-lg is-invalid') }}

                                        <div class="invalid-feedback">

                                            {% for error in form.profit.errors %}

                                                <span>{{ error }}</span>

                                            {% endfor %}

                                        </div>

                                {% else %}

                                    {{ form.profit(class='form-control form-control-lg') }}

                                {% endif %}

                            </div>

                        </fieldset>

                        <div class="form-group">

                            {{ form.submit(class='btn btn-outline-info form-control form-control-lg text-dark') }}

                        </div>

                </form>

            </div>

            <!-- Table -->

            <div class="col col-8">

                <legend class="border-bottom mb-4 fs-2 text-center">Departure Data</legend>

                <table class="table">

                    <thead>

                        <tr>

                            <th scope="col">Bill No</th>

                            <th scope="col">Price</th>

                            <th scope="col">Does Available</th>

                            <th scope="col">Does Sale</th>

                            <th scope="col">Medicine Name</th>

                            <th scope="col">Profit</th>

                        </tr>

                    </thead>

                    {% for m in med %}

                    <tbody>

                        <tr>

                            <th scope="row">{{ m.id }}</th>

                                <td>{{ m.price }}</td>

                                <td>{{ m.does\_available }}</td>

                                <td>{{ m.dose\_sale }}</td>

                                <td>{{ m.medname }}</td>

                                <td>{{ m.profit }}%</td>

                        </tr>

                    </tbody>

                    {% endfor %}

                </table>

            </div>

        </div>

    </div>

{% endblock content %}