from flask import Flask

from flask\_sqlalchemy import SQLAlchemy

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

app.config['SQLALCHEMY\_DATABASE\_URI']='sqlite:///products.db'

db = SQLAlchemy(app)

class Product(db.Model):

id = db.Column(db.Integer, primary\_key=True)

code = db.Column(db.String(30), unique=True)

name = db.Column(db.String(200))

price = db.Column(db.Integer)

def \_\_init\_\_(self, code, name, price):

self.code = code

self.name = name

self.price = price

def addProduct(code, name, price):

product = Product(code, name, price)

db.session.add(product)

db.session.commit()

def getProductList():

return Product.query.order\_by(Product.id.desc())

db.create\_all()

if Product.query.count() == 0: # chua co Dulieu

addProduct('IPX', 'Iphone X', 17500000)

addProduct('IP8', 'Iphone 8', 12500000)

addProduct('IP7', 'Iphone 7', 8500000)

from flask import request, render\_template, redirect

@app.route('/')

def index():

return render\_template('index.html',

productList=getProductList())

def validate(form):

errorList = []

if not form.get('code'):

errorList.append('Mã sản phẩm không được trống')

if not form.get('name'):

errorList.append('Tên sản phẩm không được trống')

if not form.get('price').isdigit():

errorList.append('Số tiền không hợp lệ')

#SELECT count(\*) FROM product where code = form['code']

if Product.query.filter\_by(code=form['code']).count() > 0:

errorList.append('Mã sản phẩm đã tồn tại')

return errorList

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

def createProduct():

errorList = []

form = {}

if request.method == 'POST':

form = request.form

errorList = validate(form)

if len(errorList) == 0:

code = form.get('code')

name = form.get('name')

price = form.get('price')

addProduct(code, name, price)

return redirect('/')

return render\_template('form.html',

errorList=errorList,

form=form)

@app.route('/delete\_product/<id>')

def deleteProduct(id):

product = Product.query.get(id)

db.session.delete(product)

db.session.commit()

return redirect('/')

app.run(debug=True)

--------------------------------index.html-----------------------------------

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css" integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">

<div class="container pt-3">

<table class="table table-bordered">

<thead>

<tr>

<th class="text-center" style="width:5%">#</th>

<th style="width:25%">Mã</th>

<th style="width:30%">Tên</th>

<th style="width:30%">Giá</th>

<th class="text-center" style="width:10%"></th>

</tr>

</thead>

<tbody>

{%for p in productList %}

<tr>

<td class="text-center">{{ loop.index }}</td>

<td>{{ p.code }}</td>

<td>{{ p.name }}</td>

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

<td class="text-center">

<a href='#'>Chỉnh sửa</a>

<a href='javascript:deleteProduct({{p.id}})'>

Xóa

</a>

</td>

</tr>

{% endfor %}

</tbody>

</table>

</div>

<script>

function deleteProduct(id) {

if(confirm('Bạn có muốn xóa sản phẩm này không?')) {

location.href = '/delete\_product/' + id;

}

}

</script>

--------------form.html-----------------------

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css" integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">

<div class="container pt-3">

<h3>Thêm mới sản phẩm</h3>

<form method="POST">

<table class="table">

<tr>

<td>Mã:</td>

<td><input class="form-control" name="code" value="{{form.code}}"></td>

</tr>

<tr>

<td>Tên:</td>

<td><input class="form-control" name="name" value="{{form.name}}"></td>

</tr>

<tr>

<td>Giá sản phẩm:</td>

<td><input class="form-control" name="price" value="{{form.price}}"></td>

</tr>

</table>

<ul>

{% for e in errorList %}

<li style="color: red;">{{e}}</li>

{% endfor %}

</ul>

<button class="btn btn-primary" type="submit">Lưu lại</button>

<a href='/' class="btn btn-secondary">Quay lại</a>

</form>

</div>