from datetime import datetime

from flask import Flask, render\_template, url\_for, flash, redirect

from flask\_sqlalchemy import SQLAlchemy

from forms import RegistrationForm, LoginForm

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

app.config['SECRET\_KEY'] = '5791628bb0b13ce0c676dfde280ba245'

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

db = SQLAlchemy(app)

class User(db.Model):

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

username = db.Column(db.String(20), unique=True, nullable=False)

email = db.Column(db.String(120), unique=True, nullable=False)

image\_file = db.Column(db.String(20), nullable=False, default='default.jpg')

password = db.Column(db.String(60), nullable=False)

posts = db.relationship('Post', backref='author', lazy=True)

def \_\_repr\_\_(self):

return f"User('{self.username}', '{self.email}', '{self.image\_file}')"

class Post(db.Model):

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

title = db.Column(db.String(100), nullable=False)

date\_posted = db.Column(db.DateTime, nullable=False, default=datetime.utcnow)

content = db.Column(db.Text, nullable=False)

user\_id = db.Column(db.Integer, db.ForeignKey('user.id'), nullable=False)

def \_\_repr\_\_(self):

return f"Post('{self.title}', '{self.date\_posted}')"

posts = [

{

'author': 'Priya',

'title': 'when to use recursion',

'content': 'there are many confusions on when to use recursion and iteration.As per stanford lectures i have seen . It is analysed that it is better to use recursion for self similar problems and iteration for repeative',

'date\_posted': 'jan'

},

{

'author': 'Priya',

'title': 'BEST MATERIALS',

'content': 'introduction to algorithms',

'date\_posted': 'Jan'

}

]

@app.route("/")

@app.route("/home")

def home():

return render\_template('home.html', posts=posts)

@app.route("/about")

def about():

return render\_template('about.html', title='About')

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

def register():

form = RegistrationForm()

if form.validate\_on\_submit():

flash(f'Account created for {form.username.data}!', 'success')

return redirect(url\_for('home'))

return render\_template('register.html', title='Register', form=form)

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

def login():

form = LoginForm()

if form.validate\_on\_submit():

if form.email.data == 'admin@blog.com' and form.password.data == 'password':

flash('You have been logged in!', 'success')

return redirect(url\_for('home'))

else:

flash('Login Unsuccessful. Please check username and password', 'danger')

return render\_template('login.html', title='Login', form=form)

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

app.run(debug=True)