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from flask import Flask, render_template, request, session, redirect
from flask_sqlalchemy import SQLAlchemy
from datetime import datetime
from flask_mail import Mail
import json
import os
from werkzeug.utils import secure_filename
import math

with open('config.json', 'r') as c:
    params = json.load(c)["params"]

local_server = True

app = Flask(__name__)
app.secret_key = 'super-secret-key'
app.config['UPLOAD_FOLDER'] = params['upload_location']
app.config.update(
    MAIL_SERVER='smtp.gmail.com',
    MAIL_PORT='465',
    MAIL_USE_SSL=True,
    MAIL_USERNAME=params["gmail_user"],
    MAIL_PASSWORD=params["gmail_password"]
)

mail = Mail(app)
if local_server:
    app.config['SQLALCHEMY_DATABASE_URI'] = params["local_uri"]
else:
    app.config['SQLALCHEMY_DATABASE_URI'] = params["prod_uri"]

db = SQLAlchemy(app)

class Contacts(db.Model):
    s_no = db.Column(db.Integer, primary_key=True)
    name = db.Column(db.String(80), unique=False, nullable=False)
    email = db.Column(db.String(120), unique=False, nullable=False)
    phone_no = db.Column(db.String(120), unique=False, nullable=False)
    msg = db.Column(db.String(120), unique=False, nullable=False)
    date = db.Column(db.String(12), unique=False, nullable=True)

class Posts(db.Model):
    s_no = db.Column(db.Integer, primary_key=True)
    title = db.Column(db.String(80), unique=False, nullable=False)
    slug = db.Column(db.String(120), unique=False, nullable=False)
    content = db.Column(db.String(120), unique=False, nullable=False)
    tagline = db.Column(db.String(120), unique=False, nullable=False)
    date = db.Column(db.String(12), unique=False, nullable=True)
    img_file = db.Column(db.String(12), unique=False, nullable=True)

@app.route("/")
def home():
    posts = Posts.query.filter_by().all()
    last = math.ceil(len(posts)/int(params['no_of_posts']))
    #[0: params['no_of_posts']]
    #posts = posts[]
    page = request.args.get('page')

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        if(not str(page).isnumeric()):
            page = 1
        page= int(page)
        posts = posts[(page-1)*int(params['no_of_posts']): (page-
1)*int(params['no_of_posts'])+ int(params['no_of_posts'])]
        #Pagination Logic
        #First
        if (page==1):
            prev = "#"
            next = "/?page="+ str(page+1)
        elif(page==last):
            prev = "/?page=" + str(page - 1)
            next = "#"
        else:
            prev = "/?page=" + str(page - 1)
            next = "/?page=" + str(page + 1)

        return render_template('index.html', params=params, posts=posts,
prev=prev, next=next)
@app.route("/about")
def about():
    return render_template("about.html", params=params)

@app.route("/dashboard", methods=['GET', 'POST'])
def dashboard():
    if "user" in session and session['user'] == params['admin_user']:
        posts = Posts.query.all()
        return render_template("dashboard.html", params=params,
posts=posts)

    if request.method == "POST":
        username = request.form.get("uname")
        userpass = request.form.get("pass")
        if username == params['admin_user'] and userpass ==
params['admin_password']:
            # set the session variable
            session['user'] = username
            posts = Posts.query.all()
            return render_template("dashboard.html", params=params,
posts=posts)

        return render_template("login.html", params=params)

@app.route("/post/<string:post_slug>", methods=['GET'])
def post_route(post_slug):
    post = Posts.query.filter_by(slug=post_slug).first()
    return render_template("post.html", params=params, post=post)

@app.route("/edit/<string:s_no>", methods=['GET', 'POST'])
def edit(s_no):
    if "user" in session and session['user'] == params['admin_user']:
        if request.method == 'POST':
            box_title = request.form.get('title')
            tline = request.form.get('tline')
            slug = request.form.get('slug')

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        content = request.form.get('content')
        img_file = request.form.get('img_file')
        date = datetime.now()
        if s_no == '0':
            post = Posts(title=box_title, slug=slug, content=content,
tagline=tline, img_file=img_file, date=date)
            db.session.add(post)
            db.session.commit()
        else:
            post = Posts.query.filter_by(s_no=s_no).first()
            post.title = box_title
            post.slug = slug
            post.content = content
            post.tagline = tline
            post.img_file = img_file
            post.date = date
            db.session.commit()
            return redirect('/edit/' + s_no)

        post = Posts.query.filter_by(s_no=s_no).first()
        return render_template('edit.html', params=params, post=post,
s_no=s_no)

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@app.route("/delete/<string:s_no>", methods=['GET', 'POST'])
def delete(s_no):
    if "user" in session and session['user'] == params['admin_user']:
        post = Posts.query.filter_by(s_no=s_no).first()
        db.session.delete(post)
        db.session.commit()
    return redirect('/dashboard')

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@app.route("/uploader", methods=['GET', 'POST'])
def uploader():
    if "user" in session and session['user'] == params['admin_user']:
        if request.method == 'POST':
            f = request.files['file1']
            f.save(os.path.join(app.config['UPLOAD_FOLDER'],
secure_filename(f.filename)))
            return "Uploaded Successfully"

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@app.route("/logout")
def logout():
    session.pop('user')
    return redirect('/dashboard')

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@app.route("/contact", methods=['GET', 'POST'])
def contact():
    if request.method == 'POST':
        name = request.form.get('name')
        email = request.form.get('email')
        phone = request.form.get('phone')
        message = request.form.get('message')
        entry = Contacts(name=name, phone_no=phone, msg=message,
date=datetime.now(), email=email)
        #
entry=Contacts(name=name,email=email,phone_no=phone,msg=message)

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db.session.add(entry)
db.session.commit()
mail.send_message('New Message from ' + name, sender=email,
                  recipients=[params['gmail_user']],
                  body=message + "\n" + phone
                )

return render_template("contact.html", params=params)

app.run(debug=True)

'''
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CONFIG.JSON
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{
    "params": {
        "local_server": "True",
        "local_uri": "mysql://root:@localhost/dynamism",
        "prod_uri": "mysql://root:@localhost/dynamism",
        "fb_url": "https://facebook.com/dynamism",
        "tw_url": "https://twitter.com/dynamism",
        "gh_url": "https://github.com/dynamism",
        "blog_name": "Dynamic Coder",
        "top_name": " Dynamic you",
        "sub_heading": "Face your fears to become FEARLESS.",
        "gmail_user":"abdulnisar3545@gmail.com",
        "gmail_password":"MAN@11665",
        "about_text": "Hi I am Abdul Nissar!, How Are You
Guys",
        "no_of_posts" : 2,
        "login_image": "login.svg",
        "admin_user": "Nissar",
        "admin_password":"nevergiveup",
        "upload_location"
:"C:\\Users\\Taswar\\PycharmProjects\\FLASK_WEB_FRAMEWORK_N\\static\\img"
    }
}

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LAYOUT.HTML
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>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
<!DOCTYPE html>
<html lang="en">

<head>

    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
    <meta name="description" content="">
```

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<meta name="author" content="">

<title>{{params['top_name']}}</title>

<!-- Bootstrap core CSS -->
<link href="{{
url_for('static',filename='vendor/bootstrap/css/bootstrap.min.css')}}"
rel="stylesheet">

<!-- Custom fonts for this template -->
<link href="{{ url_for('static',filename='vendor/fontawesome-
free/css/all.min.css')}}" rel="stylesheet" type="text/css">
<link
href='https://fonts.googleapis.com/css?family=Lora:400,700,400italic,700i
talic' rel='stylesheet' type='text/css'>
<link
href='https://fonts.googleapis.com/css?family=Open+Sans:300italic,400ital
ic,600italic,700italic,800italic,400,300,600,700,800' rel='stylesheet'
type='text/css'>

<!-- Custom styles for this template -->
<link href="{{ url_for('static',filename='css/clean-blog.min.css')}}"
rel="stylesheet">

</head>

<body>

<!-- Navigation -->
<nav class="navbar navbar-expand-lg navbar-light fixed-top"
id="mainNav">
    <div class="container">
        <a class="navbar-brand" href="/">{{params['top_name']}}</a>
        <button class="navbar-toggler navbar-toggler-right" type="button"
data-toggle="collapse" data-target="#navbarResponsive" aria-
controls="navbarResponsive" aria-expanded="false" aria-label="Toggle
navigation">
            Menu
            <i class="fas fa-bars"></i>
        </button>
        <div class="collapse navbar-collapse" id="navbarResponsive">
            <ul class="navbar-nav ml-auto">
                <li class="nav-item">
                    <a class="nav-link" href="/">Home</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="/about">About</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="/contact">Contact</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="/dashboard">Dashboard</a>
                </li>
            </ul>
        </div>
    </div>
</nav>

{% block body %} {% endblock %}

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[illegible]

LOGIN.HTML

[illegible]

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="/docs/4.0/assets/img/favicons/favicon.ico">

    <title>Admin Panel</title>

    <link rel="canonical"
href="https://getbootstrap.com/docs/4.0/examples/sign-in/">

    <!-- Bootstrap core CSS -->
    <!-- CSS only -->
<link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.0.0-
beta3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
eOJMYsd53ii+scO/bJGFsiCZc+5NDVN2yr8+0RDqr0Ql0h+rP48ckxlpbzKgwra6"
crossorigin="anonymous">

    <!-- Custom styles for this template -->
    <link href="signin.css" rel="stylesheet">
  </head>

  <body class="text-center">

<link href="{{ url_for('static',filename='css/signin.css')}}"
rel="stylesheet" >

    <form class="form-signin" action="/dashboard" method="post">
      {% set fname= 'img/'+ params['login_image'] %}
      
      <h1 class="h3 mb-3 font-weight-normal"> Admin login</h1>
      <!-- <label for="uname" class="sr-only">User Name</label> -->
      <input type="text" id="uname" name="uname" class="form-control"
placeholder="User Name" required autofocus>
      <!-- <label for="pass" class="sr-only">Password</label> -->
      <input type="password" id=" pass" name="pass" class="form-control"
placeholder="Password" required>
      <div class="checkbox mb-3">
        <label>
          <input type="checkbox" value="remember-me"> Remember me
        </label>
      </div>
      <button class="btn btn-lg btn-primary btn-block" type="submit">Sign
in</button>
      <p class="mt-5 mb-3 text-muted">&copy; {{params['blog_name']}}
2021</p>
    </form>
  </div>
</body>
</html>
```


[illegible]

<h1>Basic Actions</h1>

<button class="btn btn-primary"> Dashboard
Home</button>

<button class="btn btn-primary">
Logout</button>
<hr>

<h1>Add / Edit Posts</h1>

<form name="sentMessage" id="contactForm" action="/edit/{{s_no}}"
method = "post" novalidate>

<div class="control-group">

<div class="form-group floating-label-form-group controls">

<label>Title</label>

<input type="text" class="form-control" name="title"
placeholder="Title" id="name" name='name' required data-validation-
required-message="Please enter your name." value="{{post.title}}">

<p class="help-block text-danger"></p>

</div>

</div>

<div class="control-group">

<div class="form-group floating-label-form-group controls">

<label>Tagline</label>

<input type="text" class="form-control" placeholder="Tag
Line" id="tline" name="tline" required data-validation-required-
message="Please enter your Tag line." value="{{post.tagline}}">

<p class="help-block text-danger"></p>

</div>

</div>

<div class="control-group">

<div class="form-group col-xs-12 floating-label-form-group
controls">

<label>Slug</label>

<input type="text" class="form-control"
placeholder="Slug" id="slug" name="slug" required data-validation-
required-message="Please enter your Slug." value="{{post.slug}}">

<p class="help-block text-danger"></p>

</div>

</div>

<div class="control-group">

<div class="form-group floating-label-form-group controls">

<label>content</label>

<textarea rows="5" class="form-control"
placeholder="content" name="content" id="content" required data-validation-
required-message="Please enter a content.">{{post.content}}</textarea>

<p class="help-block text-danger"></p>

</div>

</div>

<div class="control-group">

<div class="form-group floating-label-form-group controls">

<label>Image file</label>

<textarea rows="5" class="form-control"
placeholder="Img_file" name="img_file" id="img_file" required data-
validation-required-message="Please enter a
message.">{{post.img_file}}</textarea>

<p class="help-block text-danger"></p>

[illegible]

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{% endblock %}

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>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
                                                                 ABOUT.HTML
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
{% extends "layout.html" %}
{% block body %}

    <!-- Page Header -->
    <header class="masthead" style="background-image:
url('{{url_for('static',filename='img/about-bg.jpg')}}')">
        <div class="overlay"></div>
        <div class="container">
            <div class="row">
                <div class="col-lg-8 col-md-10 mx-auto">
                    <div class="page-heading">
                        <h1>About Me</h1>
                        <span class="subheading">This is what I do.</span>
                    </div>
                </div>
            </div>
        </div>
    </header>

    <!-- Main Content -->
    <div class="container">
        <div class="row">
            <div class="col-lg-8 col-md-10 mx-auto">
                <p>{{params['about_text']}}</p>
            </div>
        </div>
    </div>
{% endblock %}

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>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
                                                                 CONTACT.HTML
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
{% extends "layout.html" %}
{% block body %}

    <!-- Page Header -->
    <header class="masthead" style="background-image: url('{{
url_for('static', filename='img/contact-bg.jpg') }}')">
        <div class="overlay"></div>
        <div class="container">
            <div class="row">
                <div class="col-lg-8 col-md-10 mx-auto">
                    <div class="page-heading">
                        <h1>Contact Me</h1>
                        <span class="subheading">Have questions? I have
answers.</span>
                    </div>
                </div>
            </div>
        </div>
    </header>
```

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</header>

<!-- Main Content -->
<div class="container">
  <div class="row">
    <div class="col-lg-8 col-md-10 mx-auto">
      <p>Want to get in touch? Fill out the form below to send me a
message and I will get back to you as soon as possible!</p>
      <!-- Contact Form - Enter your email address on line 19 of the
mail/contact_me.php file to make this form work. -->
      <!-- WARNING: Some web hosts do not allow emails to be sent
through forms to common mail hosts like Gmail or Yahoo. It's recommended
that you use a private domain email address! -->
      <!-- To use the contact form, your site must be on a live web
host with PHP! The form will not work locally! -->
      <form name="sendMessage" id="contactForm" action="/contact"
method = "post" novalidate>
        <div class="control-group">
          <div class="form-group floating-label-form-group controls">
            <label>Name</label>
            <input type="text" class="form-control"
placeholder="Name" id="name" name='name' required data-validation-
required-message="Please enter your name.">
            <p class="help-block text-danger"></p>
          </div>
        </div>
        <div class="control-group">
          <div class="form-group floating-label-form-group controls">
            <label>Email Address</label>
            <input type="email" class="form-control"
placeholder="Email Address" id="email" name="email" required data-
validation-required-message="Please enter your email address.">
            <p class="help-block text-danger"></p>
          </div>
        </div>
        <div class="control-group">
          <div class="form-group col-xs-12 floating-label-form-group
controls">
            <label>Phone Number</label>
            <input type="tel" class="form-control" placeholder="Phone
Number" id="phone" name="phone" required data-validation-required-
message="Please enter your phone number.">
            <p class="help-block text-danger"></p>
          </div>
        </div>
        <div class="control-group">
          <div class="form-group floating-label-form-group controls">
            <label>Message</label>
            <textarea rows="5" class="form-control"
placeholder="Message" name="message" id="message" required data-validation-
required-message="Please enter a message."></textarea>
            <p class="help-block text-danger"></p>
          </div>
        </div>
        <br>
        <div id="success"></div>
        <div class="form-group">
          <button type="submit" class="btn btn-primary"
id="sendMessageButton">Send</button>
        </div>
      </div>
    </div>
  </div>
</div>

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        </form>
    </div>
</div>

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{ % endblock %}
```

[illegible]

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