**SOURCE CODE**

**User side views.py**

# Create your views here.

from django.contrib import messages

from django.shortcuts import render,HttpResponse

from .forms import UserRegistrationForm

from .models import UserRegistrationModel

from django.conf import settings

import pandas as pd

import os

# Create your views here.

# Create your views here.

def UserRegisterActions(request):

if request.method == 'POST':

form = UserRegistrationForm(request.POST)

if form.is\_valid():

print('Data is Valid')

form.save()

messages.success(request, 'You have been successfully registered')

form = UserRegistrationForm()

return render(request, 'UserRegistrations.html', {'form': form})

else:

messages.success(request, 'Email or Mobile Already Existed')

print("Invalid form")

else:

form = UserRegistrationForm()

return render(request, 'UserRegistrations.html', {'form': form})

def UserLoginCheck(request):

if request.method == "POST":

loginid = request.POST.get('loginid')

pswd = request.POST.get('pswd')

print("Login ID = ", loginid, ' Password = ', pswd)

try:

check = UserRegistrationModel.objects.get(loginid=loginid, password=pswd)

status = check.status

print('Status is = ', status)

if status == "activated":

request.session['userid'] = check.id

request.session['loggeduser'] = check.name

request.session['loginid'] = loginid

request.session['email'] = check.email

print("User id At", check.id, status)

return render(request, 'users/UserHomePage.html', {})

else:

messages.success(request, 'Your Account Not at activated')

return render(request, 'UserLogin.html')

except Exception as e:

print('Exception is ', str(e))

pass

messages.success(request, 'Invalid Login id and password')

return render(request, 'UserLogin.html', {})

def UserHome(request):

return render(request, 'users/UserHomePage.html', {})

def viewDataset(request):

path = os.path.join(settings.MEDIA\_ROOT, 'cyber\_breach\_data.csv')

df = pd.read\_csv(path, nrows=100)

df = df.to\_html(index=None)

return render(request, 'users/viewbreachdata.html',{'data': df})

def armaModel(request):

from .utility.process\_ml import start\_arma\_model

rslt = start\_arma\_model()

return render(request, 'users/armaresult.html', {'rslt': rslt})

def usrEdaAnalysis(request):

from .utility.edaprocess import start\_eda\_process

rslt = start\_eda\_process()

df = rslt.to\_html

return render(request, 'users/edaanalysis.html',{'data': df})

**Register.html:**

{% extends 'base.html' %}

{% block title %}Register User{% endblock title %}

{% block register %} active {% endblock register %}

{% block container %}

<!-- ======= Contact Section ======= -->

<section id="contact" class="contact">

<div class="container">

<!-- <div class="col-lg-6 mt-5 mt-lg-0" align="center"> -->

<div class="card col-md-6 offset-md-3 mt-5">

<div class="card-title">

<div class="text-center p-3 ">

<!-- <h5 class="card-title text-center"><i class="bi bi-person-circle" style="font-size: 60px;"></i></h5> -->

<h2> Register</h2>

</div>

</div>

<div class="card-body">

<form action="{% url 'user\_register' %}" method="post" role="form" class="php-email-form">

<legend align="center">

<svg xmlns="http://www.w3.org/2000/svg" width="80" height="80" fill="currentColor" class="bi bi-person-plus" viewBox="0 0 16 16">

<path d="M6 8a3 3 0 1 0 0-6 3 3 0 0 0 0 6zm2-3a2 2 0 1 1-4 0 2 2 0 0 1 4 0zm4 8c0 1-1 1-1 1H1s-1 0-1-1 1-4 6-4 6 3 6 4zm-1-.004c-.001-.246-.154-.986-.832-1.664C9.516 10.68 8.289 10 6 10c-2.29 0-3.516.68-4.168 1.332-.678.678-.83 1.418-.832 1.664h10z"/>

<path fill-rule="evenodd" d="M13.5 5a.5.5 0 0 1 .5.5V7h1.5a.5.5 0 0 1 0 1H14v1.5a.5.5 0 0 1-1 0V8h-1.5a.5.5 0 0 1 0-1H13V5.5a.5.5 0 0 1 .5-.5z"/>

</svg>

</legend>

{% csrf\_token %}

{{ form.as\_p }}

<!-- <div class="text-center"><button type="submit">Send Message</button></div> -->

<div class="mt-2 text-center pb-4">

<input class="btn btn-lg btn-success text-white" type="submit" value="Submit">

<input class="btn btn-lg btn-dark text-white" type="reset" value="Reset">

</div>

</form>

</div>

{% if messages %}

<ul class="messages">

{% for message in messages %}

<li{% if message.tags %} class="{{ message.tags }}" {% endif %}>{{ message }}</li>

{% endfor %}

</ul>

{% endif %}

</div>

</div>

<!-- </div> -->

</section><!-- End Contact Section -->

{% endblock container %}

**Base.html:**

<!DOCTYPE html>

<html lang="en">

{% load static %}

<head>

<meta charset="utf-8">

<meta content="width=device-width, initial-scale=1.0" name="viewport">

<title>Modeling and Predicting Cyber Hacking Breaches</title>

<meta content="" name="description">

<meta content="" name="keywords">

<!-- Favicons -->

<link href="assets/img/favicon.png" rel="icon">

<link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

<!-- Google Fonts -->

<link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,700,700i|Raleway:300,400,500,700,800"

rel="stylesheet">

<!-- Vendor CSS Files -->

<link href="{% static 'vendor/aos/aos.css' %}" rel="stylesheet">

<link href="{% static 'vendor/bootstrap/css/bootstrap.min.css' %}" rel="stylesheet">

<link href="{% static 'vendor/bootstrap-icons/bootstrap-icons.css' %}" rel="stylesheet">

<link href="{% static 'vendor/glightbox/css/glightbox.min.css' %}" rel="stylesheet">

<link href="{% static 'vendor/swiper/swiper-bundle.min.css' %}" rel="stylesheet">

<!-- Template Main CSS File -->

<link href="{% static 'css/style.css' %}" rel="stylesheet">

<!-- =======================================================

\* Template Name: TheEvent - v4.9.1

\* Template URL: https://bootstrapmade.com/theevent-conference-event-bootstrap-template/

\* Author: BootstrapMade.com

\* License: https://bootstrapmade.com/license/

======================================================== -->

</head>

<style>

body {

margin-top: 40px;

}

</style>

<body>

<!-- ======= Header ======= -->

<header id="header" class="d-flex align-items-center " style="background-color: black;">

<div class="container-fluid container-xxl d-flex align-items-center"><h1 style="color: rgb(229, 165, 181);"> Modeling Cyber Breaches</h1>

<div id="logo" class="me-auto">

<a href="index.html" class="scrollto"><img src="assets/img/logo.png" alt="" title=""></a>

</div>

<nav id="navbar" style="background-color: black;" class="navbar order-last order-lg-0;">

<body style=" background-color:rgb(221, 175, 175);">

</body>

<ul>

<li><a class="nav-link scrollto" href="{% url 'index' %}">Home</a></li>

<li><a class="nav-link scrollto" href="{% url 'UserLogin' %}">User</a></li>

<li><a class="nav-link scrollto" href="{% url 'AdminLogin' %}">Admin</a></li>

<li><a class="nav-link scrollto" href="{% url 'UserRegister' %}">Register</a></li>

</ul>

</div>

</header><!-- End Header -->

<main id="main">

{% block contents %}

{% endblock %}

</div>

</section><!-- End Buy Ticket Section -->

</main><!-- End #main -->

<!-- ======= Footer ======= -->

<footer id="footer">

</footer><!-- End Footer -->

<!-- Vendor JS Files -->

<script src="{%static 'vendor/aos/aos.js' %}"></script>

<script src="{%static 'vendor/bootstrap/js/bootstrap.bundle.min.js' %}"></script>

<script src="{%static 'vendor/glightbox/js/glightbox.min.js' %}"></script>

<script src="{%static 'vendor/swiper/swiper-bundle.min.js' %}"></script>

<script src="{%static 'vendor/php-email-form/validate.js' %}"></script>

<!-- Template Main JS File -->

<script src="{% static 'js/main.js' %}"></script>

</body>

</html>

**Admin side admin\_base.html:**

<!DOCTYPE html>

<html lang="en">

{% load static %}

<head>

<meta charset="utf-8">

<meta content="width=device-width, initial-scale=1.0" name="viewport">

<title>Modeling and Predicting Cyber Hacking Breaches</title>

<meta content="" name="description">

<meta content="" name="keywords">

<!-- Favicons -->

<link href="assets/img/favicon.png" rel="icon">

<link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

<!-- Google Fonts -->

<link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,700,700i|Raleway:300,400,500,700,800" rel="stylesheet">

<!-- Vendor CSS Files -->

<link href="{% static 'vendor/aos/aos.css' %}" rel="stylesheet">

<link href="{% static 'vendor/bootstrap/css/bootstrap.min.css' %}" rel="stylesheet">

<link href="{% static 'vendor/bootstrap-icons/bootstrap-icons.css' %}" rel="stylesheet">

<link href="{% static 'vendor/glightbox/css/glightbox.min.css' %}" rel="stylesheet">

<link href="{% static 'vendor/swiper/swiper-bundle.min.css' %}" rel="stylesheet">

<!-- Template Main CSS File -->

<link href="{% static 'css/style.css' %}" rel="stylesheet">

<!-- =======================================================

\* Template Name: TheEvent - v4.9.1

\* Template URL: https://bootstrapmade.com/theevent-conference-event-bootstrap-template/

\* Author: BootstrapMade.com

\* License: https://bootstrapmade.com/license/

======================================================== -->

</head>

<style>

body{

margin-top:40px;

}

</style>

<body>

<!-- ======= Header ======= -->

<header id="header" class="d-flex align-items-center " style="background-color: black;">

<div class="container-fluid container-xxl d-flex align-items-center"><h1 style="color: rgb(229, 165, 181);"> Modeling Cyber Breaches</h1>

<div id="logo" class="me-auto">

<a href="index.html" class="scrollto"><img src="assets/img/logo.png" alt="" title=""></a>

</div>

<nav id="navbar" style="background-color: rgb(14, 8, 8);" class="navbar order-last order-lg-0;">

<ul>

<li><a class="nav-link scrollto" href="{% url 'AdminHome' %}">Home</a></li>

<li><a class="nav-link scrollto" href="{% url 'ActivaUsers' %}">Activate User</a></li>

<li><a class="nav-link scrollto" href="{% url 'adminViewResults' %}">Results</a></li>

<li><a class="nav-link scrollto" href="{% url 'index' %}">Logout</a></li>

</ul>

</div>

</header><!-- End Header -->

<main id="main">

{% block contents %}

{% endblock %}

</div>

</section><!-- End Buy Ticket Section -->

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

</main><!-- End #main -->

<!-- ======= Footer ======= -->

<footer id="footer">

<div class="footer-top">

<div class="container">

<div class="row">

</div>

</div>

</div>

<div class="container">

<div class="copyright">

&copy; Copyright <strong>TheEvent</strong>. All Rights Reserved

</div>

<div class="credits">

<!--

All the links in the footer should remain intact.

You can delete the links only if you purchased the pro version.

Licensing information: https://bootstrapmade.com/license/

Purchase the pro version with working PHP/AJAX contact form: https://bootstrapmade.com/buy/?theme=TheEvent

-->

Designed by <a href="https://bootstrapmade.com/">BootstrapMade</a>

</div>

</div>

</footer><!-- End Footer -->

<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-arrow-up-short"></i></a>

<!-- Vendor JS Files -->

<script src="{%static 'vendor/aos/aos.js' %}"></script>

<script src="{%static 'vendor/bootstrap/js/bootstrap.bundle.min.js' %}"></script>

<script src="{%static 'vendor/glightbox/js/glightbox.min.js' %}"></script>

<script src="{%static 'vendor/swiper/swiper-bundle.min.js' %}"></script>

<script src="{%static 'vendor/php-email-form/validate.js' %}"></script>

<!-- Template Main JS File -->

<script src="{% static 'js/main.js' %}"></script>

</body>

</html>

**Admin side view\_registered\_users.html:**

{% extends 'admins/adminbase.html'%}

{%block contents%}

<section id="intro">

<div class="intro-text">

<p><h4 align="center" style="font-weight:bold; color:rgb(163, 63, 113); margin-top: 10%; ">View RegisterUser Details</h4></p>

<table class="table table-bordered bg-light text-dark">

<thead style="color:brown;">

<tr>

<th>S.No</th>

<th>Name</th>

<th>Login ID</th>

<th>Mobile</th>

<th>Email</th>

<th>Locality</th>

<th>Status</th>

<th>Activate</th>

</tr>

</thead>

<tbody>

{% for i in data %}

<tr style="color: Black">

<td>{{forloop.counter}}</td>

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

<td>{{i.loginid}}</td>

<td>{{i.mobile}}</td>

<td>{{i.email}}</td>

<td>{{i.locality}}</td>

<td>{{i.status}}</td>

{% if i.status == 'waiting' %}

<td><a class="btn-link" href="/ActivaUsers/?uid={{ i.id }}"

style="color:DARKBLUE">Activate</a></td>

{% else %}

<td> Activated</td>

{% endif %}

</tr>

{% endfor %}

</tbody>

</table>

</div>

</section>

{%endblock%}