**SOURCE CODE**

**User side views.py**

from django.shortcuts import render

from users.algorithm.ProcessAlgorithm import Algorithms

from .forms import UserRegistrationForm

from django.contrib import messages

from .models import UserRegistrationModel

algo = Algorithms()

# 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('loginname')

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['id'] = 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/UserHome.html', {})

else:

messages.success(

request, 'Your Account has not been activated by Admin.')

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/UserHome.html', {})

def Arma(request):

pred\_ci, ax = algo.stat\_predation()

pred\_ci = pred\_ci.to\_html

return render(request, "users/Arma.html", {"x": pred\_ci, "y": ax})

def viewdata(request):

import os

import pandas as pd

from django.conf import settings

import seaborn as sns

import matplotlib.pyplot as plt

path = os.path.join(settings.MEDIA\_ROOT,

'SeriesReport-Not Seasonally Sales.csv')

df = pd.read\_csv(path)

print(df)

ax = df.plot.bar(x='Period', y='Value', figsize=(15, 14))

plt.show()

df = df.to\_html()

return render(request, 'admins/adminviewdata.html', {'data': df, "x": ax})

**Urls.py**

from django.contrib import admin

from admins import views as admins

from django.urls import path

from users import views as usr

from . import views as mainView

urlpatterns = [

# path('admin/', admin.site.urls),

path('', mainView.index, name='index'),

path("UserRegister/", mainView.UserRegister, name="UserRegister"),

path("AdminLogin/", mainView.AdminLogin, name="AdminLogin"),

path('index/', mainView.index, name='index'),

path("UserLogin/", mainView.UserLogin, name="UserLogin"),

path("Viewdata/", mainView.Viewdata, name="Viewdata"),

# User Side Views

path("UserRegisterActions/", usr.UserRegisterActions,

name="UserRegisterActions"),

path("UserLoginCheck/", usr.UserLoginCheck, name="UserLoginCheck"),

path("UserHome/", usr.UserHome, name="UserHome"),

path("viewdata/", usr.viewdata, name="viewdata"),

# Admin Side Views

path("AdminLoginCheck/", admins.AdminLoginCheck, name="AdminLoginCheck"),

path("AdminHome/", admins.AdminHome, name="AdminHome"),

path("ViewRegisteredUsers/", admins.ViewRegisteredUsers,

name="ViewRegisteredUsers"),

path("AdminActivaUsers/", admins.AdminActivaUsers, name="AdminActivaUsers"),

# path("AdminDataPreProcess/", admins.AdminDataPreProcess, name="AdminDataPreProcess"),

path("Arma", usr.Arma, name="Arma"),

]

**Index.html**

{% load static %}

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

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

<title>Logistics & Supply Chain</title>

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

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

<!-- Favicons -->

<link href="{% static 'assets/img/favicon.png' %}" rel="icon">

<link href="{% static '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,600,600i,700,700i|Nunito:300,300i,400,400i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i"

rel="stylesheet">

<!-- Vendor CSS Files -->

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

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

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

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

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

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

<!-- Template Main CSS File -->

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

<style>

.btn-primary {

border: 2px solid #fff;

color: #fff;

background: #00192d;

}

.btn-primary:hover {

background: #00192d;

border: 2px solid #00192d;

}

</style>

</head>

<body>

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

<header id="header" class="fixed-top " style="background: #00192d;">

<div class="container d-flex align-items-center justify-content-between">

<h1 class="logo"><a href="{% url 'index' %}" class="">Logistics </a></h1>

<!-- Uncomment below if you prefer to use an image logo -->

<!-- <a href="index.html" class="logo"><img src="assets/img/logo.png" alt="" class="img-fluid"></a>-->

<nav id="navbar" class="navbar">

<ul>

<li><a class="nav-link scrollto active" 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="btn btn-primary p-2 scrollto" href="{% url 'UserRegister' %}">Register</a></li>

</ul>

<i class="bi bi-list mobile-nav-toggle"></i>

</nav><!-- .navbar -->

</div>

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

<!-- ======= Hero Section ======= -->

<section id="hero">

<div class="hero-container">

{# <h3>Predict Your<strong>Customer</strong></h3>#}

<h1 class="display-">Logistics & Supply Chain </h1>

<h5 class="text-white">Role of Artificial Intelligence in Logistics and Supply Chain </h5><br>

<a href="{% url 'UserRegister' %}" class="btn-get-started scrollto">Get Started</a>

</div>

</section><!-- End Hero -->

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

<footer id="footer" class="text-white" style="background: #00192d;">

<br>

<div class="text-center">

<div class="copyright">

&copy; Copyright <strong style="color: #47a7d7;">Logistics<span class="text-white"> </span></strong>.

All Rights

Reserved

</div>

<div class="credits text-white">

Designed by <a href="" class="text-info">Alex Corporation</a>

</div>

</div>

<br><br>

</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 'assets/vendor/bootstrap/js/bootstrap.bundle.min.js' %}"></script>

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

<script src="{% static 'assets/vendor/isotope-layout/isotope.pkgd.min.js' %}"></script>

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

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

<!-- Template Main JS File -->

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

</body>

</html>

**User registration html**

{% extends 'base.html' %}

{% block register %}

{% endblock %}

<style>

.jumbotron {

font-family: "Book Antiqua";

margin-top: 100px;

}

.card {

box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2);

transition: 0.3s;

}

.width {

width: 90%;

}

</style>

{% block content %}

<main id="main">

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

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

<div class="jumbotron">

<div class="container" style="color: white">

<center>

<div class="row" data-aos="fade-in">

<!--form -->

<div class="container width" id="register">

<div class="row card card-body" style="background: #00192d;">

<form action="{% url 'UserRegisterActions' %}" method="POST">

<div class="section-title">

<legend class="text-primary">User Sign Up</legend>

<br>

</div>

{% csrf\_token %}

<div class="form-row">

<div class="form-group col-md-4">

<label for="id\_name">User Name</label>

{{ form.name }}

</div>

<div class="form-group col-md-4">

<label for="id\_loginid">Login Id</label>

{{ form.loginid }}

</div>

<div class="form-group col-md-4">

<label for="id\_email">Email</label>

{{ form.email }}

</div>

<div class="form-group col-md-4">

<label for="id\_mobile">Mobile</label>

{{ form.mobile }}

</div>

<div class="form-group col-md-4">

<label for="id\_password">Password</label>

{{ form.password }}

</div>

<div class="form-group col-md-4">

<label for="id\_locality">Locality</label>

{{ form.locality }}

</div>

</div>

<div class="form-row">

<div class="form-group col-md-4">

<label for="id\_city">City</label>

{{ form.city }}

</div>

<div class="form-group col-md-4">

</div>

<div class="form-group col-md-4">

<label for="id\_state">State</label>

{{ form.state }}

</div>

<div class="form-group col-md-2">

{# <label for="id\_status">Status</label>#}

{{ form.status }}

</div>

<div class="form-group col-md-8">

<label for="id\_address">Address </label>

{{ form.address }}

</div>

</div>

<button type="submit" class="btn btn-primary m-2">Sign up</button>

<button type="reset" class="btn btn-dark m-2">Reset</button>

<!-- Message -->

{% if messages %}

{% for message in messages %}

<p align="center" class="text-primary"> {{ message }}</p>

{% endfor %}

{% endif %}

</form>

</div>

</div>

</div>

</center>

</div>

</div>

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

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

{% endblock %}

User login.html

{% extends 'base.html' %}

{% load static %}

{% block title %}User Login{% endblock %}

{% block user\_login %}active{% endblock %}

{% block content %}

<style>

body {

background: #fff;

}

.jumbotron {

font-family: "Book Antiqua";

margin-top: 9%;

background: #fff;

}

.card-body {

width: 50%;

box-shadow: 0 1px 3px rgba(0, 0, 0, 0.12), 0 1px 2px rgba(0, 0, 0, 0.24);

}

</style>

<center>

<div class="jumbotron">

<div class="container">

<div class="card card-body">

<div class="row">

<div class="col-md-12">

<form action="{% url 'UserLoginCheck' %}" method="POST" class="text-primary">

{% csrf\_token %}

<legend style="float: right"> User</legend>

<br> <br>

<br>

<div class="form-group row">

<div class="col-md-12">

<input type="text" class="form-control" name="loginname" required

placeholder="Enter Login Id">

</div>

</div>

<br>

<div class="form-group row">

<div class="col-md-12">

<input type="password" class="form-control" name="pswd" required

placeholder="Enter password">

</div>

</div>

<br>

<div class="form-group row">

<div class="col-md-12">

<input type="submit" class="btn btn-block btn-primary text-white" value="Sign in"> &nbsp;

<input type="reset" class="btn btn-block btn-dark">

</div>

</div>

<!-- Message -->

{% if messages %}

{% for message in messages %}

<p align="center" class="text-primary"> {{ message }}</p>

{% endfor %}

{% endif %}

</form>

</div>

</div>

</div>

</div>

</div>

</center>

{% endblock %}