***Demonstration of Insecure and Secured Websites***

***Insecure Website***

**Signup.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Signup</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="form-container">

        <h2>Signup Here</h2>

        <form action="signup.php" method="GET">

            <label>Username</label>

            <input type="text" name="username" required>

            <label>Email</label>

            <input type="text" name="email" required>

            <label>Password</label>

            <input type="password" name="password" required>

            <label>Confirm Password</label>

            <input type="password" name="confirm\_password" required>

            <button type="submit">Signup</button>

        </form>

        <a href="index.html">Already have an account</a>

    </div></body></html>

**Signup.php**

<?php

include 'db\_config.php';

if ($\_SERVER["REQUEST\_METHOD"] == "GET") {

    $username = isset($\_GET['username']) ? $\_GET['username'] : "";

    $email = isset($\_GET['email']) ? $\_GET['email'] : "";

    $password = isset($\_GET['password']) ? $\_GET['password'] : "";

    $confirm\_password = isset($\_GET['confirm\_password']) ? $\_GET['confirm\_password'] : "";

    if (!empty($username) && !empty($email) && !empty($password)) {

        if ($password === $confirm\_password) {

            $sql = "INSERT INTO users (username, email, password) VALUES ('$username', '$email', '$password')";

            if ($conn->query($sql) === TRUE) {

                echo "Signup successful! <a href='index.html'>Login here</a>";

            } else {

                echo "Error: " . $sql . "<br>" . $conn->error;

            }

        } else {

            echo "Passwords do not match!";

        }

    } else {

        echo "All fields are required!";

    }

}

$conn->close(); ?>

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Login</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="container">

        <h2>Login Here</h2>

        <form action="login.php" method="GET">

            <label>Email</label>

            <input type="email" name="email" placeholder="Email or Phone" required>

            <label>Password</label>

            <input type="password" name="password" placeholder="Password" required>

            <button type="submit">Login</button>

        </form>

        <a href="signup.html">Create an account</a>

    </div></body></html>

**Login.php**

<?php

include 'db\_config.php';

if ($\_SERVER["REQUEST\_METHOD"] == "GET") {

    $email = isset($\_GET['email']) ? $\_GET['email'] : "";

    $password = isset($\_GET['password']) ? $\_GET['password'] : "";

    if (!empty($email) && !empty($password)) {

        $sql = "SELECT \* FROM users WHERE email='$email' AND password='$password'";

        $result = $conn->query($sql);

        if ($result->num\_rows > 0) {

            session\_start();

            $\_SESSION['email'] = $email;

            header("Location: dashboard.php");

        } else {

            echo "Invalid email or password!";

        }

    } else {

        echo "All fields are required!";

    }

}

$conn->close();

?>

**Style.css**

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: Arial, sans-serif;

}

body {

    background: #0e0e0e;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

}

.container {

    background: rgba(0, 0, 0, 0.8);

    padding: 20px;

    border-radius: 10px;

    text-align: center;

    width: 350px;

    box-shadow: 0 0 10px rgba(255, 255, 255, 0.1);

}

h2 {

    color: white;

    margin-bottom: 20px;

}

label {

    display: block;

    text-align: left;

    color: white;

    margin-top: 10px;

}

input {

    width: 100%;

    padding: 10px;

    margin-top: 5px;

    border: none;

    border-radius: 5px;

    background: #333;

    color: white;

}

button {

    width: 100%;

    padding: 10px;

    margin-top: 20px;

    border: none;

    border-radius: 5px;

    background: white;

    color: black;

    font-size: 16px;

    cursor: pointer;

}

a {

    display: block;

    margin-top: 15px;

    color: lightgray;

    text-decoration: none;

}

**Dashboard.html**

<?php

session\_start();

if (!isset($\_SESSION['email'])) {

    header("Location: index.html");

    exit();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Dashboard</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="container">

        <h2>Welcome to Dashboard</h2>

        <p>You are logged in as <?php echo $\_SESSION['email']; ?></p>

        <a href="logout.php"><button>Logout</button></a>

    </div></body></html>

***Secure Website***

**Signup.html**

<!DOCTYPE html>

<html lang="en">

<head>

  <!-- Design by foolishdeveloper.com -->

    <title>Signup Page</title>

    <link rel="preconnect" href="https://fonts.gstatic.com">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">

    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;500;600&display=swap" rel="stylesheet">

    <!--Stylesheet-->

    <style media="screen">

      \*,

\*:before,

\*:after{

    padding: 0;

    margin: 0;

    box-sizing: border-box;

}

body{

    background-color: #080710;

}

.background{

    width: 430px;

    height: 520px;

    position: absolute;

    transform: translate(-50%,-50%);

    left: 50%;

    top: 50%;

}

.background .shape{

    height: 200px;

    width: 200px;

    position: absolute;

    border-radius: 50%;

}

.shape:first-child{

    background: linear-gradient(

        #1845ad,

        #23a2f6

    );

    left: -80px;

    top: -80px;

}

.shape:last-child{

    background: linear-gradient(

        to right,

        #ff512f,

        #f09819

    );

    right: -30px;

    bottom: -80px;

}

form{

    height: 600px;

    width: 450px;

    background-color: rgba(255,255,255,0.13);

    position: absolute;

    transform: translate(-50%,-50%);

    top: 50%;

    left: 50%;

    border-radius: 10px;

    backdrop-filter: blur(10px);

    border: 2px solid rgba(255,255,255,0.1);

    box-shadow: 0 0 40px rgba(8,7,16,0.6);

    padding: 50px 35px;

}

form \*{

    font-family: 'Poppins',sans-serif;

    color: #ffffff;

    letter-spacing: 0.5px;

    outline: none;

    border: none;

}

form h3{

    font-size: 32px;

    font-weight: 500;

    line-height: 42px;

    text-align: center;

}

label{

    display: block;

    margin-top: 30px;

    font-size: 16px;

    font-weight: 500;

}

input{

    display: block;

    height: 40px;

    width: 100%;

    background-color: rgba(255,255,255,0.07);

    border-radius: 3px;

    padding: 0 10px;

    margin-top: 2px;

    font-size: 14px;

    font-weight: 300;

}

::placeholder{

    color: #e5e5e5;

}

button{

    margin-top: 14px;

    width: 100%;

    background-color: #ffffff;

    color: #080710;

    padding: 15px 0;

    font-size: 18px;

    font-weight: 600;

    border-radius: 5px;

    cursor: pointer;

}

.social{

  margin-top: 30px;

  display: flex;

}

.social div{

  background: red;

  width: 150px;

  border-radius: 3px;

  padding: 5px 10px 10px 5px;

  background-color: rgba(255,255,255,0.27);

  color: #eaf0fb;

  text-align: center;

}

.social div:hover{

  background-color: rgba(255,255,255,0.47);

}

.social .fb{

  margin-left: 25px;

}

.social i{

  margin-right: 4px;

}

    </style>

</head>

<body>

    <div class="background">

        <div class="shape"></div>

        <div class="shape"></div>

    </div>

    <form action="" method="post">

        {% csrf\_token %}

        <h3>Signup Here</h3>

        <label for="username">Username</label>

        <input type="text" placeholder="Username" name="username" id="username">

        <label for="email">Email</label>

        <input type="email" placeholder="Email or Phone" name="email" id="email">

        <label for="password1">Password</label>

        <input type="password" placeholder="Password" id="password1" name="password1">

        <label for="password2">Confrom Password</label>

        <input type="password" placeholder="Confrom Password" id="password2" name="password2">

        <button type="submit">Signup</button><br><br>

        <a href="{% url 'Login' %}" >I have already account</a>

    </form>

</body>

</html>

**Login.html**

<!DOCTYPE html>

<html lang="en">

<head>

  <!-- Design by foolishdeveloper.com -->

    <title>Login Page</title>

    <link rel="preconnect" href="https://fonts.gstatic.com">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">

    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;500;600&display=swap" rel="stylesheet">

    <!--Stylesheet-->

    <style media="screen">

      \*,

\*:before,

\*:after{

    padding: 0;

    margin: 0;

    box-sizing: border-box;

}

body{

    background-color: #080710;

}

.background{

    width: 430px;

    height: 520px;

    position: absolute;

    transform: translate(-50%,-50%);

    left: 50%;

    top: 50%;

}

.background .shape{

    height: 200px;

    width: 200px;

    position: absolute;

    border-radius: 50%;

}

.shape:first-child{

    background: linear-gradient(

        #1845ad,

        #23a2f6

    );

    left: -80px;

    top: -80px;

}

.shape:last-child{

    background: linear-gradient(

        to right,

        #ff512f,

        #f09819

    );

    right: -30px;

    bottom: -80px;

}

form{

    height: 520px;

    width: 400px;

    background-color: rgba(255,255,255,0.13);

    position: absolute;

    transform: translate(-50%,-50%);

    top: 50%;

    left: 50%;

    border-radius: 10px;

    backdrop-filter: blur(10px);

    border: 2px solid rgba(255,255,255,0.1);

    box-shadow: 0 0 40px rgba(8,7,16,0.6);

    padding: 50px 35px;

}

form \*{

    font-family: 'Poppins',sans-serif;

    color: #ffffff;

    letter-spacing: 0.5px;

    outline: none;

    border: none;

}

form h3{

    font-size: 32px;

    font-weight: 500;

    line-height: 42px;

    text-align: center;

}

label{

    display: block;

    margin-top: 30px;

    font-size: 16px;

    font-weight: 500;

}

input{

    display: block;

    height: 50px;

    width: 100%;

    background-color: rgba(255,255,255,0.07);

    border-radius: 3px;

    padding: 0 10px;

    margin-top: 8px;

    font-size: 14px;

    font-weight: 300;

}

::placeholder{

    color: #e5e5e5;

}

button{

    margin-top: 50px;

    width: 100%;

    background-color: #ffffff;

    color: #080710;

    padding: 15px 0;

    font-size: 18px;

    font-weight: 600;

    border-radius: 5px;

    cursor: pointer;

}

.social{

  margin-top: 30px;

  display: flex;

}

.social div{

  background: red;

  width: 150px;

  border-radius: 3px;

  padding: 5px 10px 10px 5px;

  background-color: rgba(255,255,255,0.27);

  color: #eaf0fb;

  text-align: center;

}

.social div:hover{

  background-color: rgba(255,255,255,0.47);

}

.social .fb{

  margin-left: 25px;

}

.social i{

  margin-right: 4px;

}

    </style>

</head>

<body>

    <div class="background">

        <div class="shape"></div>

        <div class="shape"></div>

    </div>

    <form method="post">

        <h3>Login Here</h3>

        {% csrf\_token %}

        <label for="username">Username</label>

        <input type="text" placeholder="Enter Username" id="username" name="username">

        <label for="password">Password</label>

        <input type="password" placeholder="Password" id="password" name="pass">

        <button type="submit">Log In</button> <br><br>

        <!-- <input type="button" value=""> -->

        <!-- <div class="social">

          <div class="go"><i class="fab fa-google"></i>  Google</div>

          <div class="fb"><i class="fab fa-facebook"></i>  Facebook</div>

        </div> -->

        <a href="{% url 'Signup' %}" >Create a account</a>

    </form></body></html>

**Home.html**

<!doctype html>

<html lang="en">

  <head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.css" integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous">

    <title>Home Page</title>

  </head>

  <body>

    <h1>Home Page</h1>

    <a href="{% url 'logout' %}" class="btn btn-primary">Logout</a>

    <!-- Optional JavaScript -->

    <!-- jQuery first, then Popper.js, then Bootstrap JS -->

    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js" integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js" integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM" crossorigin="anonymous"></script>

</body></html>

**Views.py**

from django.shortcuts import render,HttpResponse ,redirect

from django.contrib.auth.models import User

from django.contrib.auth import authenticate,login,logout

from django.contrib.auth.decorators import login\_required

# Create your views here.

@login\_required(login\_url='Login')

def HomePage(request):

    return render(request,'home.html')

def SignupPage(request):

    if request.method =="POST" :

        uname = request.POST.get('username')

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

        pass1 = request.POST.get('password1')

        pass2 = request.POST.get('password2')

        if pass1 != pass2:

            return HttpResponse("Your password and confirm password are not same!!")

        else :

          my\_user = User.objects.create\_user(uname,email,pass1)

          my\_user.save()

          return  redirect('Login')

    return render(request,'signup.html')

def LoginPage(request):

    if request.method == 'POST':

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

        pass1 = request.POST.get('pass')

        print(username,pass1)

        user = authenticate(request,username=username,password=pass1)

        if user is not None:

            login(request,user)

            return redirect('home')

        else:

            return HttpResponse('Username and Password is incorrect')

    return render(request,'login.html')

def LogoutPage(request):

    logout(request)

    return redirect('Login')

**Urls.py**

from django.contrib import admin

from django.urls import path

from app1 import views

urlpatterns = [

    path('admin/', admin.site.urls),

    path('',views.SignupPage, name= 'Signup'),

    path('login/',views.LoginPage, name= 'Login'),

    path('home/',views.HomePage, name= 'home'),

    path('logout/',views.LogoutPage,name='logout')

]

***Output***







