**Deploy a Prototype Webapp of a Bank Login Page Using Docker**

1. **HomeController.cs**

using Microsoft.AspNetCore.Mvc;

using System.Diagnostics;

using WebAppBank.Models;

namespace WebAppBank.Controllers

{

public class HomeController : Controller

{

private readonly ILogger<HomeController> \_logger;

public HomeController(ILogger<HomeController> logger)

{

\_logger = logger;

}

public IActionResult Index()

{

return View();

}

public IActionResult Login()

{

return View();

}

public IActionResult Privacy()

{

return View();

}

public IActionResult Dashboard()

{

return View();

}

[ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)]

public IActionResult Error()

{

return View(new ErrorViewModel { RequestId = Activity.Current?.Id ?? HttpContext.TraceIdentifier });

}

}

}

1. Login.cshtml

@{

ViewData["Title"] = "Login";

}

<style>

body {

font-family: Arial, sans-serif;

background-color:aquamarine;

}

.container {

max-width: 500px;

margin: 0 auto;

padding: 20px;

background-color:hotpink;

border-radius: 5px;

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

text-align: center; /\* Center align content \*/

}

h1 {

margin-bottom: 10px; /\* Add some space below h1 \*/

}

h2 {

margin-top: 0; /\* Remove default margin from h2 \*/

}

.form-group {

margin-bottom: 20px;

}

label {

font-weight: bold;

}

input[type="text"],

input[type="password"] {

width: 100%;

padding: 10px;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box; /\* Ensure padding is included in the width \*/

}

button[type="submit"] {

width: 100%;

padding: 10px;

border: none;

background-color: #007bff;

color: #fff;

border-radius: 4px;

cursor: pointer;

}

button[type="submit"]:hover {

background-color: burlywood;

}

</style>

<div class="container">

<h1>Welcome to First Bank</h1>

<h2>Login</h2>

<**form**>

<div class="form-group">

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

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

</div>

<div class="form-group">

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

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

</div>

<div>

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

</div>

</**form**>

</div>

1. Dashboard.cshtml

@{

ViewData["Title"] = "Dashboard";

}

<style>

.dashboard-container {

max-width: 600px;

margin: 0 auto;

padding: 20px;

background-color: #fff;

border-radius: 5px;

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

}

.btn-container {

margin-top: 20px;

}

.btn {

margin-bottom: 10px;

width: 100%;

}

.btn-success {

background-color: darkgreen;

color: #fff;

}

.btn-primary {

background-color: cyan;

color: #fff;

}

.btn-info {

background-color: deeppink;

color: #fff;

}

.btn-danger {

background-color: #dc3545;

color: #fff;

}

</style>

<div class="dashboard-container">

<h2>Welcome to the Dashboard</h2>

<div class="btn-container">

<button class="btn btn-success"

onclick="redirectToAccountActivity('viewBalance')">

View Balance

</button>

<button class="btn btn-primary"

onclick="redirectToAccountActivity('transferMoney')">

Transfer Money

</button>

<button class="btn btn-info"

onclick="redirectToAccountActivity('transactionHistory')">

Transaction

History

</button>

</div>

<div class="btn-container">

<**form** **asp-action**="Login" method="post">

<button type="submit" class="btn btn-danger">Logout</button>

</**form**>

</div>

</div>

<script>

function redirectToAccountActivity(activity) {

alert('Redirecting to ' + activity);

}

</script>

1. Layout.cshtml

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

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

<title>@ViewData["Title"] - WebAppBank</title>

<**link** rel="stylesheet" href="~/lib/bootstrap/dist/css/bootstrap.min.css" />

<**link** rel="stylesheet" **href**="~/css/site.css" **asp-append-version**="true" />

<**link** rel="stylesheet" **href**="~/WebAppBank.styles.css" **asp-append-version**="true" />

</head>

<body>

<header>

<nav class="navbar navbar-expand-sm navbar-toggleable-sm navbar-light bg-white border-bottom box-shadow mb-3">

<div class="container-fluid">

<**a** class="navbar-brand" **asp-area**="" **asp-controller**="Home" **asp-action**="Index">WebAppBank</**a**>

<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target=".navbar-collapse" aria-controls="navbarSupportedContent"

aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="navbar-collapse collapse d-sm-inline-flex justify-content-between">

<ul class="navbar-nav flex-grow-1">

<li class="nav-item">

<**a** class="nav-link text-dark" **asp-area**="" **asp-controller**="Home" **asp-action**="Index">Home</**a**>

</li>

<li class="nav-item">

<**a** class="nav-link text-dark" **asp-area**="" **asp-controller**="Home" **asp-action**="Privacy">Privacy</**a**>

</li>

<li class="nav-item">

<**a** class="nav-link text-dark" **asp-area**="" **asp-controller**="Home" **asp-action**="Login">Login</**a**>

</li>

<li class="nav-item">

<**a** class="nav-link text-dark" **asp-area**="" **asp-controller**="Home" **asp-action**="Dashboard">Dashboard</**a**>

</li>

</ul>

</div>

</div>

</nav>

</header>

<div class="container">

<main role="main" class="pb-3">

@RenderBody()

</main>

</div>

<footer class="border-top footer text-muted">

<div class="container">

&copy; 2024 - WebAppBank - <**a** **asp-area**="" **asp-controller**="Home" **asp-action**="Privacy">Privacy</**a**>

</div>

</footer>

<**script** src="~/lib/jquery/dist/jquery.min.js"></**script**>

<**script** src="~/lib/bootstrap/dist/js/bootstrap.bundle.min.js"></**script**>

<**script** **src**="~/js/site.js" **asp-append-version**="true"></**script**>

@await RenderSectionAsync("Scripts", required: false)

</body>

</html>