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

**Practice Project**

**Source code:**

**LoginController.cs:**

using Microsoft.AspNetCore.Mvc;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using Loginpage.Models;

namespace Loginpage.Controllers

{

public class LoginController : Controller

{

public IActionResult Login()

{

return View();

}

public List<UserModel> PutValue()

{

var users = new List<UserModel>

{

new UserModel{id=1,username="Sukilax",password="abc123"},

new UserModel{id=2,username="sisa",password="xyz546"},

new UserModel{id=3,username="sukil",password="suki@123"},

new UserModel{id=4,username="muru",password="muru123"}

};

return users;

}

[HttpPost]

public IActionResult Verify(UserModel usr)

{

var u = PutValue();

var ue = u.Where(u => u.username.Equals(usr.username));

var up = ue.Where(p => p.password.Equals(usr.password));

if(up.Count()==1)

{

ViewBag.message = "Welcome "+usr.username+" !!"+"Enjoy our services !!!";

return View("LoginSuccess");

}

else

{

ViewBag.message = "Login Failed";

return View("Login");

}

}

}

}

**HomeController:**

using Loginpage.Models;

using Microsoft.AspNetCore.Mvc;

using Microsoft.Extensions.Logging;

using System;

using System.Collections.Generic;

using System.Diagnostics;

using System.Linq;

using System.Threading.Tasks;

namespace Loginpage.Controllers

{

public class HomeController : Controller

{

private readonly ILogger<HomeController> \_logger;

public HomeController(ILogger<HomeController> logger)

{

\_logger = logger;

}

public IActionResult Index()

{

return View();

}

public IActionResult Privacy()

{

return View();

}

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

public IActionResult Error()

{

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

}

}

}

**UserModel.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

namespace Loginpage.Models

{

public class UserModel

{

public int id { get; set; }

public string username { get; set; }

public string password { get; set; }

}

}

**Login.cshtml:**

@model Loginpage.Models.UserModel;

@{

Layout = null;

}

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css" rel="stylesheet" id="bootstrap-css">

<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>

<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

<style>

body {

margin: 0;

padding: 0;

background-color: #00FF7F;

height: 100vh;

}

#login .container #login-row #login-column #login-box {

margin-top: 50px;

max-width: 400px;

height: 350px;

border: 3px solid #4682B4;

background-color: #EAEAEA;

}

#login .container #login-row #login-column #login-box #login-form {

padding: 20px;

}

#login .container #login-row #login-column #login-box #login-form #register-link {

margin-top: -85px;

}

</style>

</head>

<body>

<center> <h2>SBI-Online Personal Banking</h2></center>

<p class="lead">By clicking on "Login" button, you agree to the Terms of Service (Terms & Conditions) of usage of Internet Banking of SBI.</p>

<p> @Html.ActionLink("Manage credit cards", "https://retail.onlinesbi.sbi/retail/login.htm") |

@Html.ActionLink("NetBanking Branches", "https://retail.onlinesbi.sbi/retail/login.htm")</p>

<div id="login">

<div class="container">

<div id="login-row" class="row justify-content-center align-items-center">

<div id="login-column" class="col-md-6">

<div id="login-box" class="col-md-12">

@using (Html.BeginForm("Verify", "Login", FormMethod.Post))

{<h3 class="text-center text-info">Login Page</h3>

<div class="form-group">

<label for="username" class="text-info">Username:</label><br>

@Html.TextBoxFor(m => m.username, new { @class = "form-control", @placeholder = "Email", @required = true })

</div>

<div class="form-group">

<label for="password" class="text-info">Password:</label><br>

@Html.PasswordFor(m => m.password, new { @class = "form-control", @placeholder = "Password", @required = true })

</div>

<div class="form-group">

<label for="remember-me" class="text-info"><span>Remember me</span> <span><input id="remember-me" name="remember-me" type="checkbox"></span></label><br>

<input type="submit" name="submit" class="btn btn-info btn-md" value="Login">

</div>

}

<div style="color:red;">@ViewBag.message</div>

</div>

</div>

</div>

</div>

</div>

</body>

</html>

**LoginSuccess.cshtml:**

@\*

For more information on enabling MVC for empty projects, visit https://go.microsoft.com/fwlink/?LinkID=397860

\*@

@{

}

@{

Layout = null;

}

<html>

<head>

<title>Login Success</title>

<style>

body {

margin: 0;

padding: 0;

background-color:#00FF7F;

height: 100vh;

}

#aa {

border-radius: 25px;

border: 2px solid red;

padding: 50px 125px;

width: 250px;

height: 100px;

color: forestgreen;

text-align: center;

font-size: 25px;

margin-left: 30%;

}

</style>

</head>

<body>

<h2>Dashboard</h2>

<!----<div id="aa">@ViewBag.message</div>-->

@ViewBag.message

<div class="row">

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

<h2>

Beware of Phising Attacks

</h2>

<p>

Phishing is a fraudulent attempt, usually made through email, phone calls, SMS etc seeking your personal and confidential information.

State Bank or any of its representative never sends you email/SMS or calls you over phone to get your personal information,password or one time SMS (high security) password. Any such e-mail/SMS or phone call is an attempt to fraudulently withdraw money from your account through Internet Banking. Never respond to such email/SMS or phone call. Please report immediately on report.phishing@sbi.co.in if you receive any such email/SMS or Phone call.

Please lock your user access immediately, if you have accidentally revealed your credentials.Click here to lock.

</p>

<p><a class="btn btn-default" href="https://go.microsoft.com/fwlink/?LinkId=301866">Learn more &raquo;</a></p>

</div>

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

<h2>Services</h2>

<p>

The URL in your browser address bar begins with "https".

The address or status bar displays the padlock symbol.

Click the padlock to view and verify the security certificate.

</p>

</div>

</div>

<div>

@Html.ActionLink("Log off", "Login")

</div>

</body>

</html>