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Exam: dotnet

BOL:

namespace BOL;

public class TimeSheet{

    public string TDate{get;set;}

    public string TWorkDesc{get;set;}

    public int Duration{get;set;}

    public string Status{get;set;}

    public TimeSheet()

    {

        this.TDate = "0";

        this.TWorkDesc = "work";

        this.Duration = 0;

        this.Status = "not completed";

    }

    public TimeSheet(string TDate, string TWorkDesc,int Duration,string Status)

    {

        this.TDate = TDate;

        this.TWorkDesc = TWorkDesc;

        this.Duration = Duration;

        this.Status = Status;

    }

}

DAL connected=> DBManager

using BOL;

using MySql.Data.MySqlClient;

namespace DAL.Connected;

public static class DBManager{

    public static string conString= @"server=192.168.10.150; port=3306; user=dac52; password=welcome; database=dac52";

    public static bool InsertDetails(string tDate, string tWorkDesc, int duration, string status)

    {

        MySqlConnection con = new MySqlConnection();

        con.ConnectionString = conString;

       string querry = "insert into timesheets values(@TDate,@TWorkDesc,@Duration,@Status)";

       // string querry = "insert into timesheets values('@TDate','@TWorkDesc',2,'@Status')";

        try

        {

            MySqlCommand cmd = new MySqlCommand(querry,con);

            cmd.Parameters.AddWithValue("@TDate",tDate);

            cmd.Parameters.AddWithValue("@TWorkDesc",tWorkDesc);

            cmd.Parameters.AddWithValue("@Duration",duration);

            cmd.Parameters.AddWithValue("@Status",status);

            cmd.Connection = con;

            con.Open();

            cmd.CommandText = querry;

            Console.WriteLine("2");

            cmd.ExecuteNonQuery();

        }

        catch (Exception e)

        {

            Console.WriteLine(e.Message);

            return false;

        }

        finally{

            con.Close();

        }

        return true;

    }

    public static List<TimeSheet> GetAllDetails()

    {

        MySqlConnection con = new MySqlConnection();

        con.ConnectionString = conString;

       string querry = "select \* from timesheets";

       List<TimeSheet> list = new List<TimeSheet>();

       // string querry = "insert into timesheets values('@TDate','@TWorkDesc',2,'@Status')";

        try

        {

            MySqlCommand cmd = new MySqlCommand(querry,con);

            cmd.Connection = con;

            con.Open();

            cmd.CommandText = querry;

            MySqlDataReader reader = cmd.ExecuteReader();

            while(reader.Read())

            {

                string TDate1 = reader["t\_date"].ToString();

                string TWorkDesc1 = reader["t\_workDesc"].ToString();

                int dur = int.Parse(reader["t\_duration"].ToString());

                string st = reader["t\_status"].ToString();

                TimeSheet t = new TimeSheet(TDate1,TWorkDesc1,dur,st);

                if(t!=null)

                {

                    list.Add(t);

                }

            }

            Console.WriteLine("2");

        }

        catch (Exception e)

        {

            Console.WriteLine(e.Message);

        }

        finally{

            con.Close();

        }

        return list;

    }

    public static bool UpdateDetails(string tDate, string tWorkDesc, int duration, string status)

    {

        MySqlConnection con = new MySqlConnection();

        con.ConnectionString = conString;

       string querry = "Update timesheets set t\_workDesc=@TWorkDesc, t\_duration=@Duration,t\_status=@Status where t\_date=@TDate";

       // string querry = "insert into timesheets values('@TDate','@TWorkDesc',2,'@Status')";

        try

        {

            MySqlCommand cmd = new MySqlCommand(querry,con);

            cmd.Parameters.AddWithValue("@TDate",tDate);

            cmd.Parameters.AddWithValue("@TWorkDesc",tWorkDesc);

            cmd.Parameters.AddWithValue("@Duration",duration);

            cmd.Parameters.AddWithValue("@Status",status);

            cmd.Connection = con;

            con.Open();

            cmd.CommandText = querry;

            Console.WriteLine("2");

            cmd.ExecuteNonQuery();

        }

        catch (Exception e)

        {

            Console.WriteLine(e.Message);

            return false;

        }

        finally{

            con.Close();

        }

        return true;

    }

}

BLL => TimeSheetManager.cs

namespace BLL;

using DAL.Connected;

using BOL;

public static class TimeSheetManager

{

    public static bool AddDetails(string tDate, string tWorkDesc, int duration, string status)

    {

        bool condition = DBManager.InsertDetails(tDate, tWorkDesc, duration, status);

        Console.WriteLine(condition);

        return condition;

    }

    public static List<TimeSheet> GetDetails()

    {

        List<TimeSheet> list = DBManager.GetAllDetails();

        return list;

    }

    public static bool UpdateDetails(string tDate, string tWorkDesc, int duration, string status)

    {

        bool condition = DBManager.UpdateDetails(tDate, tWorkDesc, duration, status);

        Console.WriteLine(condition);

        return condition;

    }

}

HomeController

using System.Diagnostics;

using Microsoft.AspNetCore.Mvc;

using TimeSheetSoln.Models;

namespace TimeSheetSoln.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();

    }

    public IActionResult Time()

    {

        return Redirect("/Time/Index");

    }

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

    public IActionResult Error()

    {

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

    }

}

TimeController

using System.Diagnostics;

using Microsoft.AspNetCore.Mvc;

using TimeSheetSoln.Models;

using BLL;

using BOL;

namespace TimeSheetSoln.Controllers;

public class TimeController : Controller

{

    private readonly ILogger<TimeController> \_logger;

    public TimeController(ILogger<TimeController> logger)

    {

        \_logger = logger;

    }

    public IActionResult Index()

    {

        return View();

    }

    public IActionResult Privacy()

    {

        return View();

    }

    [HttpGet]

    public IActionResult Insert()

    {

        return View();

    }

    [HttpPost]

    public IActionResult Insert(string i1,string i2,int i3,string i4)

    {

        bool status=TimeSheetManager.AddDetails(i1,i2,i3,i4);

        if(status)

        {

            return Redirect("Index");

        }

        return View();

    }

    public IActionResult Update()

    {

        return View();

    }

    [HttpPost]

    public IActionResult Update(string u1,string u2,int u3,string u4)

    {

        bool status=TimeSheetManager.UpdateDetails(u1,u2,u3,u4);

        if(status)

        {

            return Redirect("Index");

        }

        return View();

    }

    [HttpGet]

    public IActionResult Show()

    {

        List<TimeSheet> list = TimeSheetManager.GetDetails();

        ViewData["b"] = list;

        return View();

    }

}

Time=> Index.cshtml

@{

    ViewData["Title"] = "Home Page";

}

<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="Time" asp-action="Insert">Insert Details</a>

        </li>

        <li class="nav-item">

            <a class="nav-link text-dark" asp-area="" asp-controller="Time" asp-action="Show">TimeSheets</a>

        </li>

        <li class="nav-item">

            <a class="nav-link text-dark" asp-area="" asp-controller="Time" asp-action="Update">Update Details</a>

        </li>

    </ul>

</div>

Time=> Insert TimeSheet

@{

    ViewData["Title"] = "Insert Details";

}

<script>

    <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="~/TimeSheetSoln.styles.css" asp-append-version="true" />

</script>

<div class="text-center">

    <fieldset>

        <legend>Insert TimeSheet</legend>

        <form method="post">

            Enter Date: <input type="text" name="i1"> <br> <br>

            Enter Work Description: <input type="text" name="i2"> <br><br>

            Enter Duration in hourse: <input type="text" name="i3"> <br><br>

            Select status  @\*<input type="text" name="i4"> \*@

            <select name="i4" id="i1">

                <option value="completed">completed</option>

                <option value="not completed">not completed</option>

                <option value="in Progress">in Progress</option>

            </select>

            <br><br>

            <input type="submit" value="Insert Time Sheet">

        </form>

    </fieldset>

</div>

Show TimeSheet page:

@using BOL;

@{

    ViewData["Title"] = "Show TimeSheet";

}

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>

<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="Time" asp-action="Insert">Insert Details</a>

        </li>

        <li class="nav-item">

            <a class="nav-link text-dark" asp-area="" asp-controller="Time" asp-action="Show">TimeSheets</a>

        </li>

        <li class="nav-item">

            <a class="nav-link text-dark" asp-area="" asp-controller="Time" asp-action="Update">Update Details</a>

        </li>

    </ul>

</div>

<div class="container mt-3">

    <table class="table table-dark table-striped">

        <thead>

            <tr>

                <th>Date</th>

                <th>Work Description</th>

                <th>Duration in hour</th>

                <th>Status</th>

            </tr>

        </thead>

        <tbody>

            @{

                List<TimeSheet> list = (List<TimeSheet>)ViewData["b"];

                foreach (TimeSheet t in list)

                {

                    <tr>

                        <td>@t.TDate</td>

                        <td>@t.TWorkDesc</td>

                        <td>@t.Duration</td>

                        <td>@t.Status</td>

                    </tr>

                }

            }

        </tbody>

    </table>

</div>

Update TimeSheet:

@{

    ViewData["Title"] = "Update Details";

}

<script>

    <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="~/TimeSheetSoln.styles.css" asp-append-version="true" />

</script>

<div class="text-center">

    <fieldset>

        <legend>Update TimeSheet</legend>

        <form method="post">

            Enter Date: <input type="text" name="u1"> <br> <br>

            Enter Work Description: <input type="text" name="u2"> <br><br>

            Enter Duration in hourse: <input type="text" name="u3"> <br><br>

            Select status  @\*<input type="text" name="i4"> \*@

            <select name="u4" id="i1">

                <option value="completed">completed</option>

                <option value="not completed">not completed</option>

                <option value="in Progress">in Progress</option>

            </select>

            <br><br>

            <input type="submit" value="Update Time Sheet">

        </form>

    </fieldset>

</div>

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"] - TimeSheetSoln</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="~/TimeSheetSoln.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">TimeSheetSoln</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="Time">Go To Time Sheet Management System</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 - TimeSheetSoln - <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>

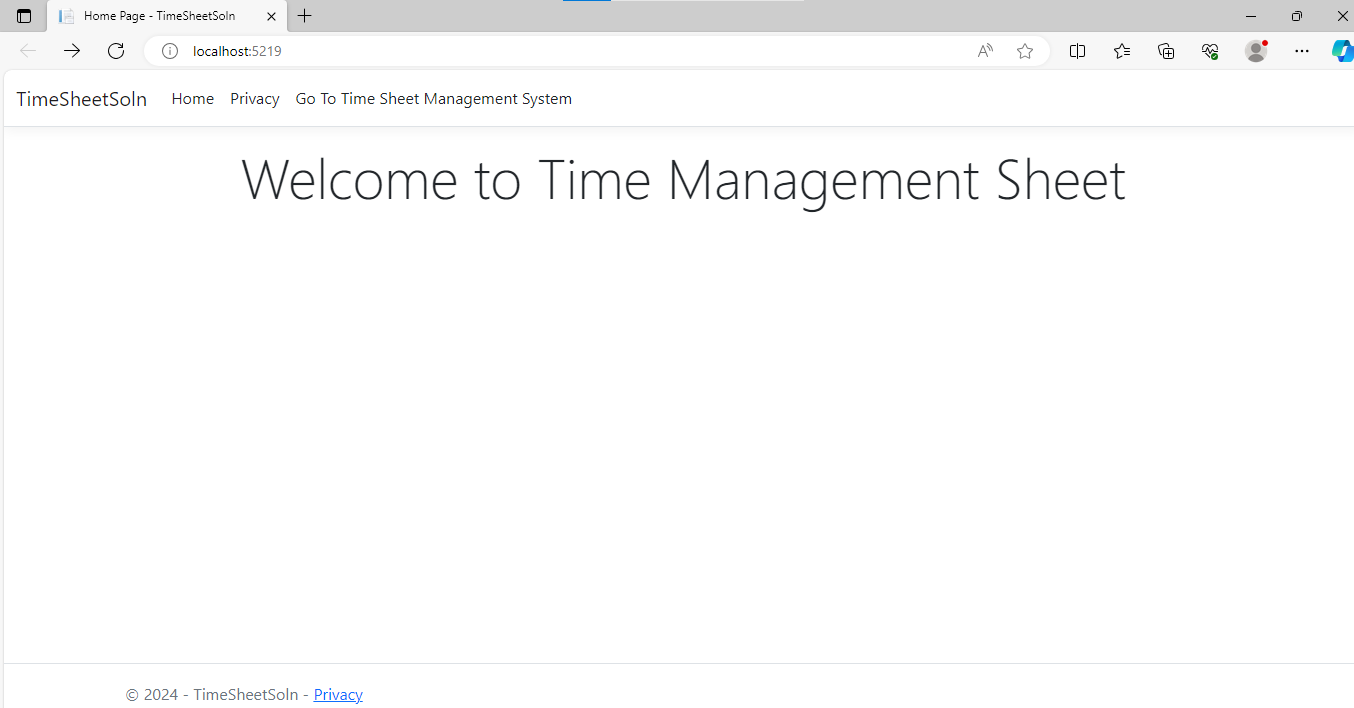
    @await RenderSectionAsync("Scripts", required: false)

</body>

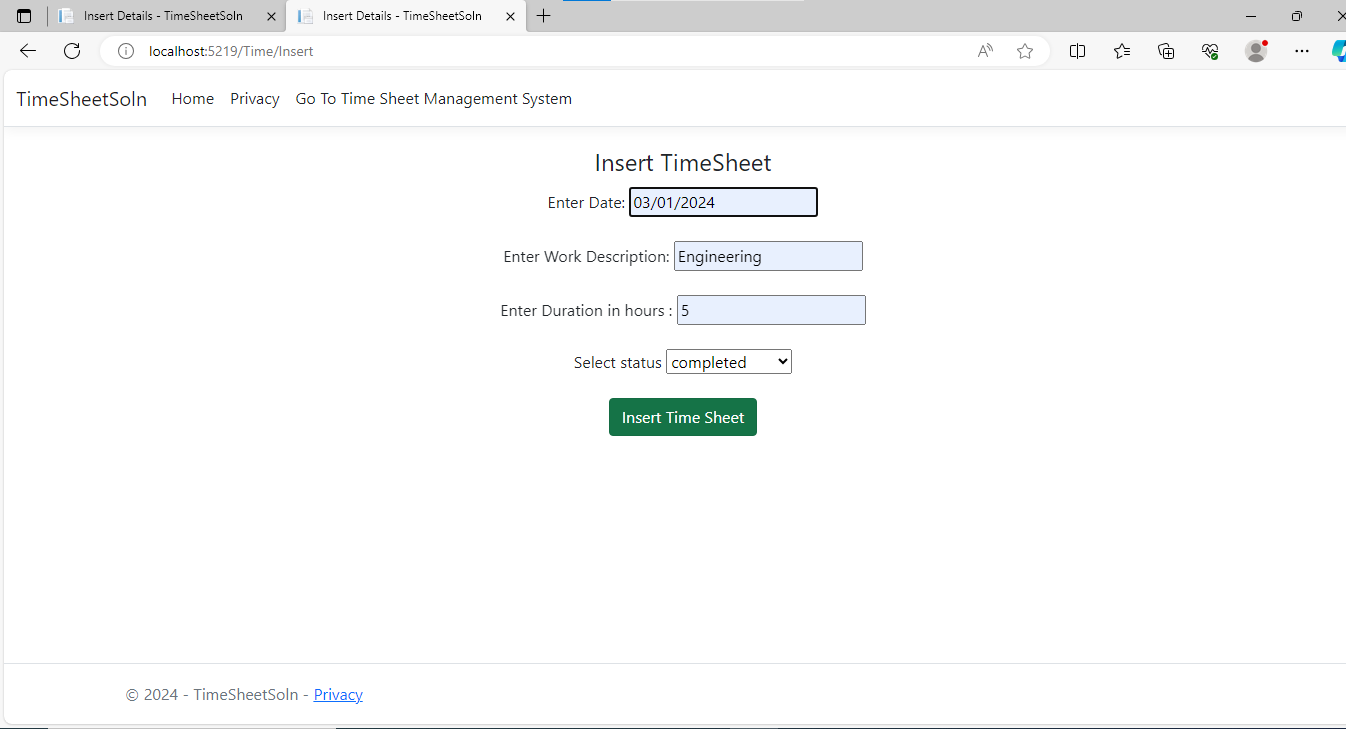
</html>

Output:

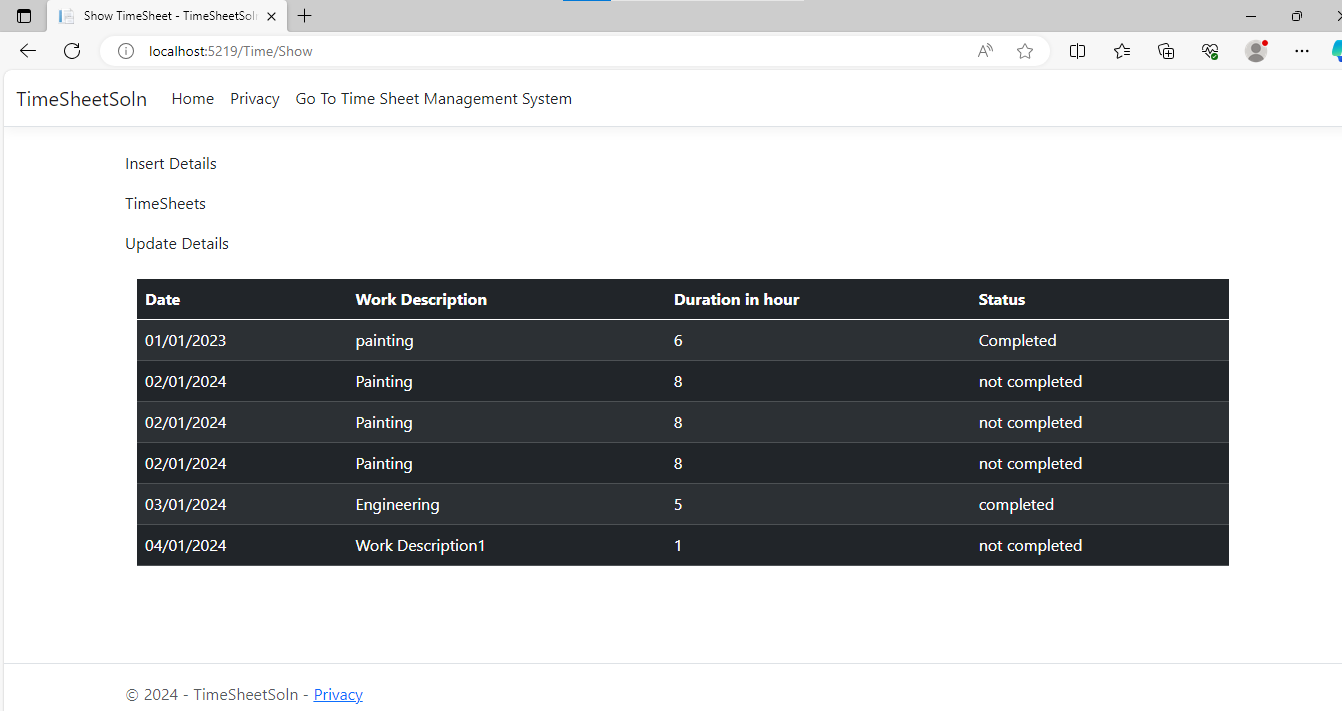
Home Page:>



Insert Details:=>



Show All TimeSheet:=>

****

Update Details: =>

