**RK UNIVERSITY**

**School of Engineering**

**TCIE-2(April - 2025)**

**Semester – II**

**(Set-2)**

**Date: 1-04-2025**

**Branch: MCA**

**Subject Name: Enterprise Computing Through .NET Frameworks Subject code: MCAL342**

**Time: 20 Minutes Total Marks: 20**

**NAME: Nirali Akbari ROLL NO: 74**

**ENROLLMENT NO: 24SOECA21078**

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Instructions:

1. Read the task description & other details carefully and implement the solution.
2. This assessment is intended to test the hands-on skills related to different topics in this subject.
3. **You have been provided with SuppliedFiles folder that contains project files and Expected\_UI Screen. Download and extract the SuppliedFiles folder into your local drive folder named as your “EnrollmentNo”.**
4. Manipulate or create project files as per the tasks provided to you in this question paper.
5. Once all the tasks are implemented, kindly submit the **“EnrollmentNo.zip”**file of your project with database.
6. **Write comments for all logic or code written by you.**

**Problem Description**

The tasks to be implemented are given along with the expected UI screens/other information. All modifications or additions must be incorporated as per the task description provided in the table under the “Tasks Description” section. The expected UI screen/other information column should be used as your reference. Each task carries the mentioned marks**. Write comments for all logic or code written by you.**

**ANSWER SHEET**

|  |  |
| --- | --- |
| Task ID | Tasks Description |
| Task\_1 | <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">RESERVATION APPLICATION</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 ms-5">  <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 dropdown">  <a class="nav-link dropdown-toggle text-dark" href="#" role="button" data-bs-toggle="dropdown">Reservation</a>  <ul class="dropdown-menu">  <li><a class="dropdown-item" asp-controller="Home" asp-action="Index">New Reservation</a></li>  <li><a class="dropdown-item" asp-controller="Home" asp-action="Privacy">Cancel Reservstion</a></li>  </ul>  </li>  <li class="nav-item">  <a class="nav-link text-dark" asp-area="" asp-controller="Home" asp-action="Privacy">View All Bookings</a>  </li>  </ul>  <p class="md-5 text-dark text-black-700" style="margin-right:20px; margin-top:10px;">Logged In : Nirali Akabri</p>  <button class="btn-primary md-5 me-5">Logout</button>  </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 text-danger" style="margin-left:750px;">  All Rights Reserved by &copy; 2025 - Reservation Application <a asp-area="" asp-controller="Home" asp-action="Privacy"></a>  </div>  </footer> |
| Task\_2 |  |
| Task\_3 | using System.ComponentModel.DataAnnotations;  using System.Data;  using System.Data.SqlClient;  using System.Xml.Linq;  namespace WebApplication1.Models  {  public class ReservationModel  {  SqlConnection con = new SqlConnection(@"Data Source=(localdb)\MSSQLLocalDB;Initial Catalog=Reservation;Integrated Security=True;Connect Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubnetFailover=False");  [Key]  public int Id { get; set; }  [Required(ErrorMessage = "Please enter FirstName")]  public string FirstName { get; set; }  [Required(ErrorMessage = "Please enter LastName")]  public string LastName { get; set; }  [Required(ErrorMessage = "please enter Email")]  public string Email { get; set; }  [Required(ErrorMessage = "Please enter a Destination")]  public string Destination { get; set; }  [Required(ErrorMessage = "Please enter a MobileNo")]  public string MobileNo { get; set; }  [Required(ErrorMessage = "Please enter a Date of booking")]  public DateTime Date { get; set; }  //Insert a record into a Reservation table  public bool insert(ReservationModel res)  {  SqlCommand cmd = new SqlCommand("insert into NewReservation values(@firstname, @lastname, @email, @destination, @mobileno, @date)", con);    cmd.Parameters.AddWithValue("@firstname", res.FirstName);  cmd.Parameters.AddWithValue("@lastname", res.LastName);  cmd.Parameters.AddWithValue("@email", res.Email);  cmd.Parameters.AddWithValue("@destination", res.Destination);  cmd.Parameters.AddWithValue("@mobileno", res.MobileNo);  cmd.Parameters.AddWithValue("@date", res.Date);  con.Open();  int i = cmd.ExecuteNonQuery();  if (i >= 1)  {  return true;  }  return false;  }  //Retrive all the records from a Reservation Table  public List<ReservationModel> getData()  {  List<ReservationModel> lstEmp = new List<ReservationModel>();  SqlDataAdapter apt = new SqlDataAdapter("select \* from NewReservation", con);  DataSet ds = new DataSet();  apt.Fill(ds);  foreach (DataRow dr in ds.Tables[0].Rows)  {  lstEmp.Add(new ReservationModel  {  Id = Convert.ToInt32(dr["Id"].ToString()),  FirstName = dr["FirstName"].ToString(),  LastName = dr["LastName"].ToString(),  Email = dr["Email"].ToString(),  Destination = dr["Destination"].ToString(),  MobileNo = dr["MobileNo"].ToString(),  Date = Convert.ToDateTime(dr["Date"].ToString()),  });  }  return lstEmp;  }  //Retrieve single record from a Reservation Table  public ReservationModel getData(string Id)  {  ReservationModel reser = new ReservationModel();  SqlCommand cmd = new SqlCommand("select \* from NewReservation where id='" + Id +  "'", con);  con.Open();  SqlDataReader dr = cmd.ExecuteReader();  if (dr.HasRows)  {  while (dr.Read())  {  reser.Id = Convert.ToInt32(dr["Id"].ToString());  reser.FirstName = dr["FirstName"].ToString();  reser.LastName = dr["LastName"].ToString();  reser.Email = dr["Email"].ToString();  reser.Destination = dr["Destination"].ToString();  reser.MobileNo = dr["MobileNo"].ToString();  reser.Date = Convert.ToDateTime(dr["LastName"].ToString());  }  }  con.Close();  return reser;  }  }  } |
| Task\_4 | //delete a record from a Reservation table  public bool delete(ReservationModel res)  {  SqlCommand cmd = new SqlCommand("delete NewReservation where Id = @id", con);  cmd.Parameters.AddWithValue("@id", res.Id);  con.Open();  int i = cmd.ExecuteNonQuery();  if (i >= 1)  {  return true;  }  return false;  }  //Controller  //Delete Reservation from a table  [HttpPost]  public IActionResult DeleteReservation(ReservationModel reservation)  {  bool res;  //if (ModelState.IsValid)  //{  reservationModel = new ReservationModel();  res = reservationModel.delete(reservation);  if (res)  {  TempData["msg"] = "Reservation Deleted successfully";  }  //}  else  {  TempData["msg"] = "Not Deleted. something went wrong..!!";  }  return View();  }  [HttpGet]  public IActionResult DeleteReservation(string id)  {  ReservationModel reservation = reservationModel.getData(id);  return View(reservationModel);  } |