NEW SUMMIT COLLEGE

(Affiliated to Tribhuvan University)

Lab Report of

NET Centric Computing

CSC 367

Bachelors of Science in Computer Science and Information Technology

Institute of Science and Technology

Submitted by:

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Roll No: 20

Semester: VI

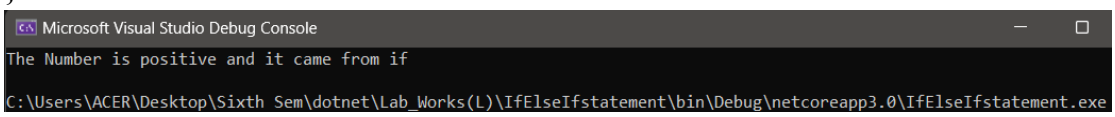
Program: BSc CSIT

Submitted to:

Name: Bishow Shrestha

Chapter1:
If, else if statement

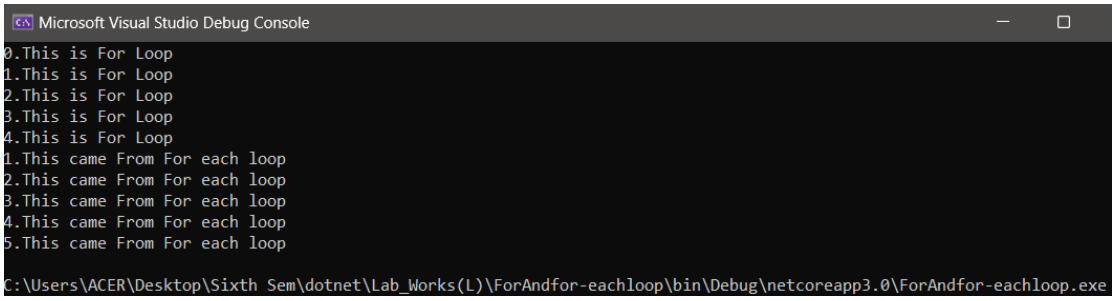
```
using System;
namespace IfElseIfstatement
{
   internal class Program
   {
      static void Main(string[] args)
      {
         int x = 5;
         if (x > 0)
         {
            Console.WriteLine("The Number is positive and it came from if ");
         }
         else if (x < 0)
         {
            Console.WriteLine("The Number is negative and it came from else if");
         }
         else
         {
            Console.WriteLine("The Number is zero and it came from else");
         }
         Console.ReadKey();
      }
   }
}
```



For and for-each loop

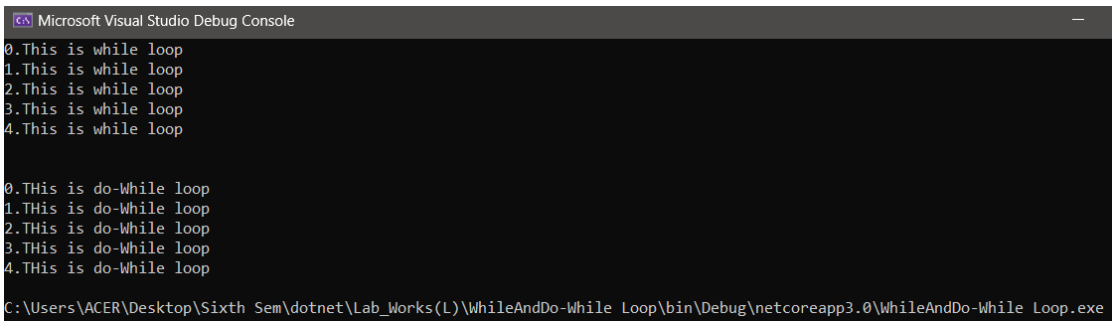
using System;

```
namespace ForAndforEachLoop
{
   internal class Program
   {
      static void Main(string[] args)
      {
         for (int i = 0; i < 5; i++)
         {
            Console.WriteLine(i+".This is For Loop");
         }

         int[] numbers = { 1, 2, 3, 4, 5 };
         foreach (int num in numbers)
         {
            Console.WriteLine(num+ ".This came From For each loop");
         }
      }
   }
}
```



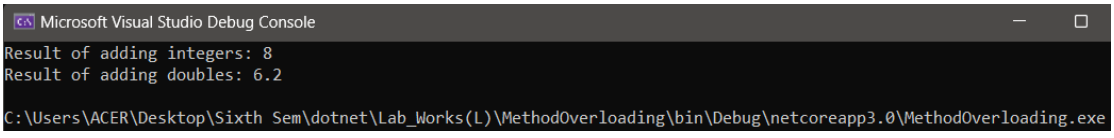
while and do while loop

```
using System;

namespace WhileAndDo_While_Loop
{
   internal class Program
   {
      static void Main(string[] args)
      {
         int i = 0;
         while (i < 5)
         {
            Console.WriteLine(i+".This is while loop");
            i++;
         }
         Console.WriteLine("\n");
         int j = 0;
         do
         {
            Console.WriteLine(j+".THis is do-While loop");
            j++;
         } while (j < 5);
      }
   }
}
```



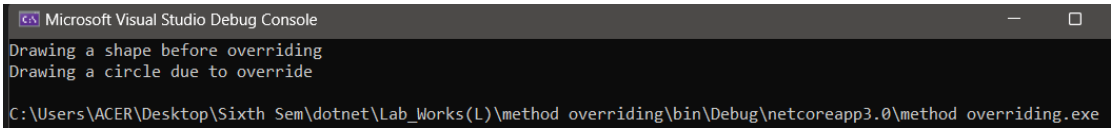
Method Overloading

```
using System;

namespace MethodOverloading
{
   internal class Program
   {
      static void Main(string[] args)
      {
         MathOp math = new MathOp();

         int result1 = math.Addition(5, 3);
         Console.WriteLine("Result of adding integers: " + result1);

         double result2 = math.Addition(2.5, 3.7);
         Console.WriteLine("Result of adding doubles: " + result2);
      }

      class MathOp
      {
         public int Addition(int a, int b)
         {
            return a + b;
         }

         public double Addition(double a, double b)
         {
            return a + b;
         }
      }
   }
}
```



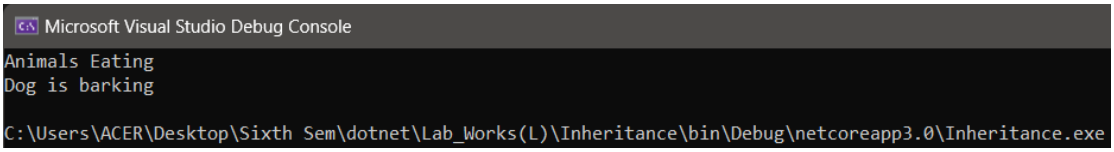
Method Overriding

```
using System;

namespace method_overriding
{
   internal class Program
   {
      static void Main(string[] args)
      {
         Shape shape = new Shape();
         shape.Draw();

         Circle circle = new Circle();
         circle.Draw();
      }

      class Shape
      {
         public virtual void Draw()
         {
            Console.WriteLine("Drawing a shape before overriding");
         }
      }

      class Circle : Shape
      {
         public override void Draw()
         {
            Console.WriteLine("Drawing a circle due to override");
         }
      }
   }
}
```



Inheritance example

```
using System;

namespace Inheritance
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Dog dog = new Dog();
            dog.Eat();
            dog.Bark();
        }
    }
    class Animal
    {
        public void Eat()
        {
            Console.WriteLine("Animals Eating");
        }
    }

    class Dog : Animal
    {
        public void Bark()
        {
            Console.WriteLine("Dog is barking");
        }
    }
}
```



Chapter 2:
Class and it type with examples

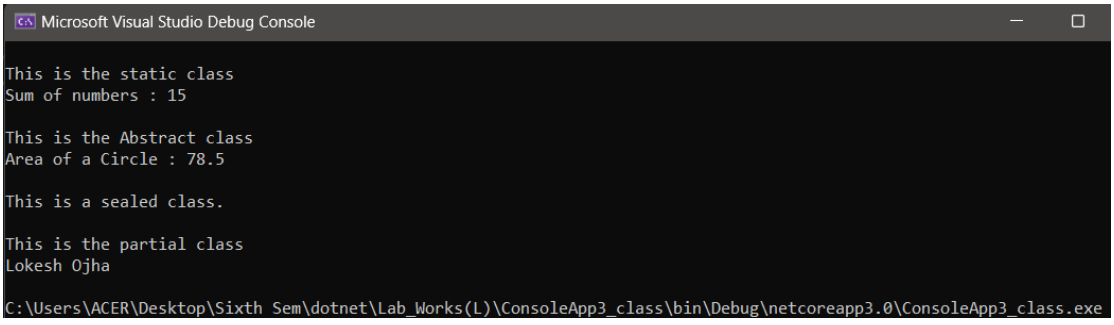
In Main.cs

```
using System;
using System.Collections.Generic;
using System.Text;
using static ConsoleApp3_class.Program;
namespace ConsoleApp3_class
{
   class Program
   {
      static void Main()
      {
         int sum = Mathsum.Add(10,5);
         Console.WriteLine("\nThis is the static class ");
         Console.WriteLine($"Sum of numbers : {sum}");
         Circle circle = new Circle { Radius = 5 };
         double area = circle.CalculateArea();
         Console.WriteLine("\nThis is the Abstract class ");
         Console.WriteLine($"Area of a Circle : {area}");
         FinalClass finalObj = new FinalClass();
         Console.WriteLine();
         finalObj.DisplayMessage();
         Student student = new Student { FirstName = "Lokesh", LastName = "Ojha"};
         Console.WriteLine("\nThis is the partial class ");
         student.DisplayFullName();
      }
   }
}
```

In Program.cs

```
using System;

namespace ConsoleApp3_class
{
      public static class Mathsum
      {
         public static int Add(int a, int b)
         {
            return a + b;
         }
      }
```

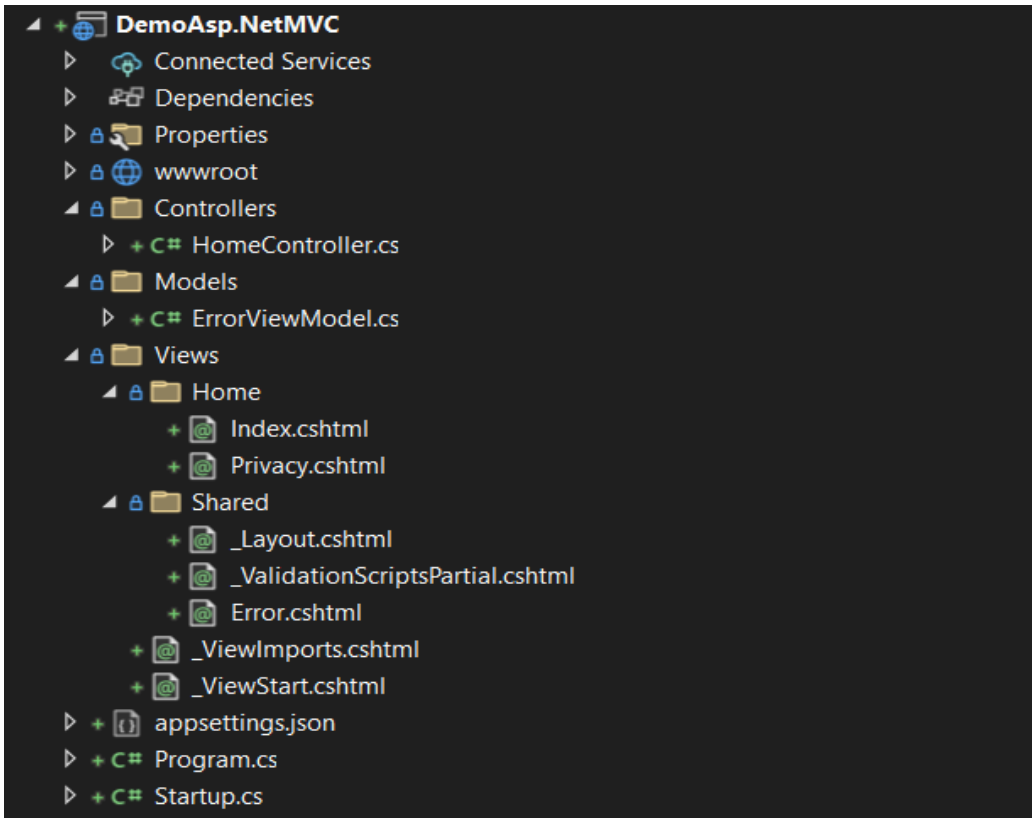
```
public abstract class Area
{
    public abstract double CalculateArea();
}

public class Circle : Area
{
    public double Radius { get; set; }
    public override double CalculateArea()
    {
        double Pi = 3.14;
        return Pi* Radius * Radius;
    }
}
public sealed class FinalClass
{
    public void DisplayMessage()
    {
        Console.WriteLine("This is a sealed class.");
    }
}
public partial class Student
{
    public string FirstName { get; set; }
    public string LastName { get; set; }
}
public partial class Student
{
    public void DisplayFullName()
    {
        Console.WriteLine($"{FirstName} {LastName}");
    }
}
}
```



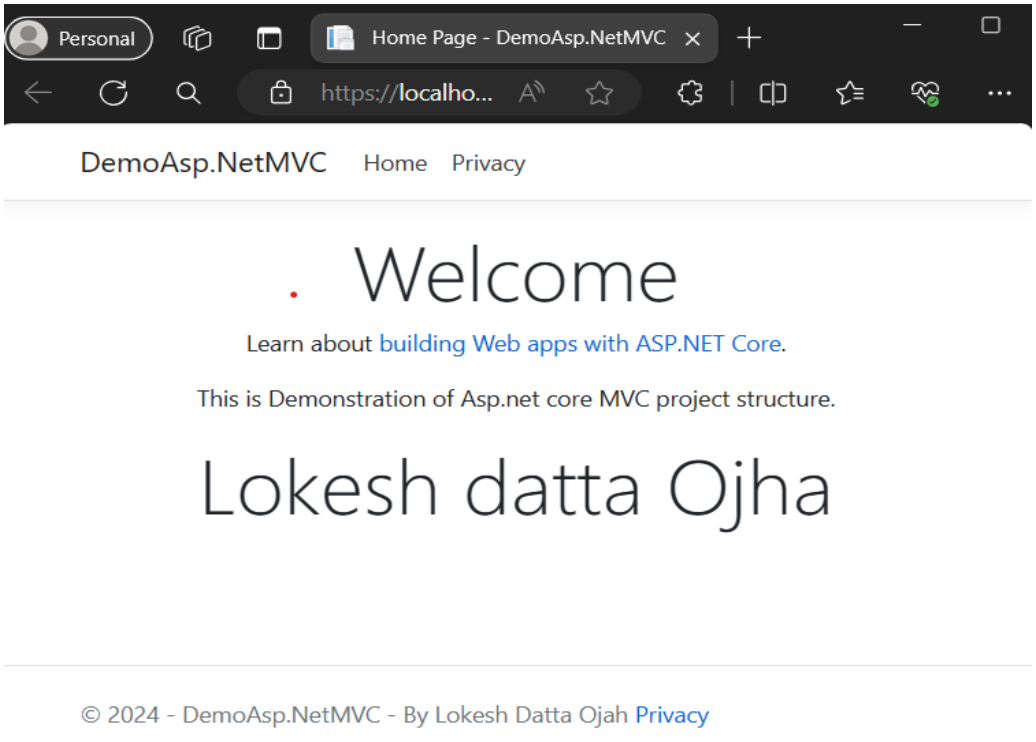
Chapter 3:

Demonstration of Asp.net core MVC project structure.

Project Folder Structure



Default Page



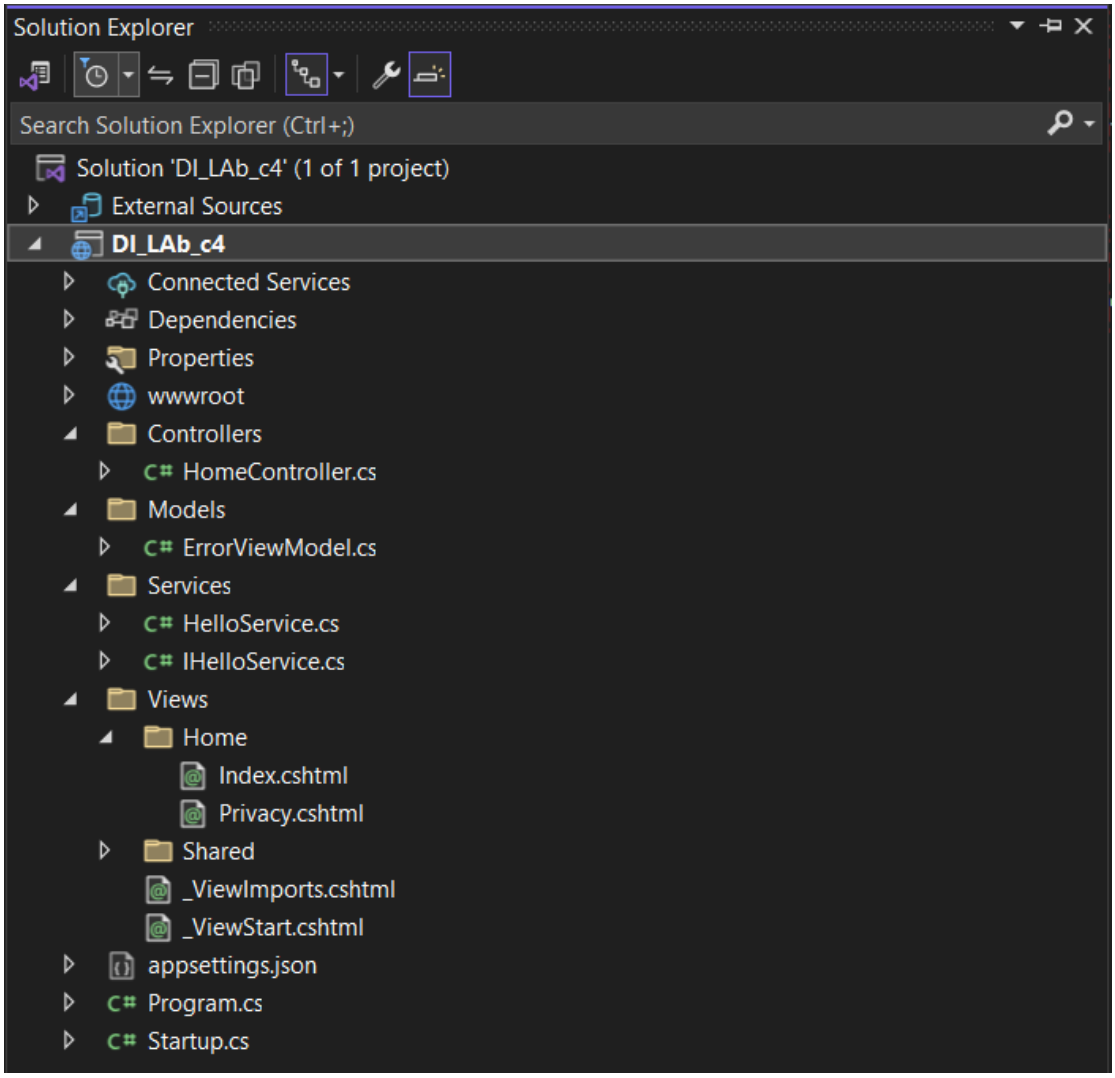
Chapter 4

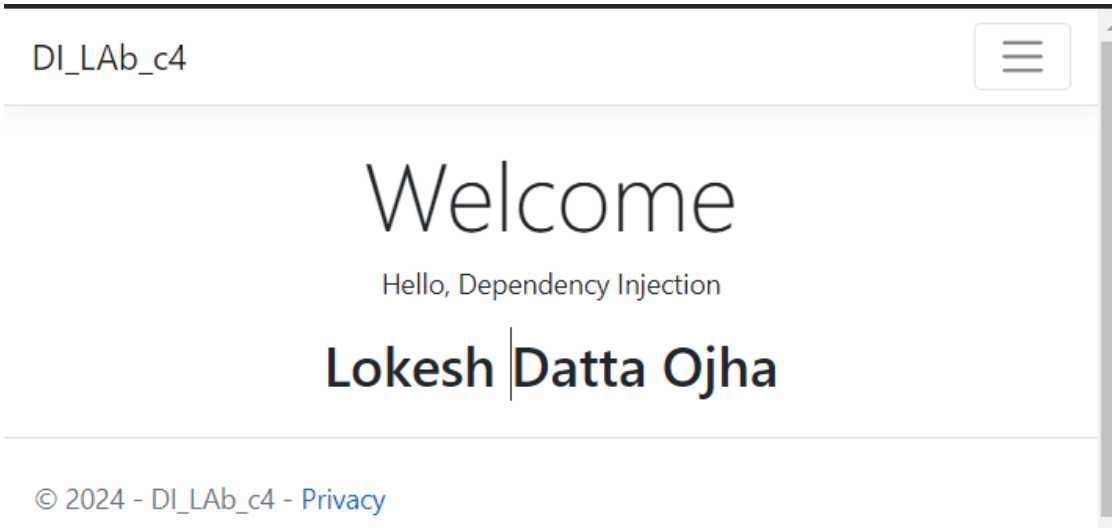
WAP to demonstrate dependency injection and register them in .net core.

HomeController.cs

```
using DI_LAb_c4.Models;
using DI_LAb_c4.Services;
using Microsoft.AspNetCore.Mvc;
using Microsoft.Extensions.Logging;
using System.Diagnostics;

namespace DI_LAb_c4.Controllers
{
   public class HomeController : Controller
   {
      private readonly ILogger<HomeController> _logger;
      private readonly IHelloService _helloService;

      public HomeController(ILogger<HomeController> logger, IHelloService helloService)
      {
         _logger = logger;
         _helloService = helloService;
      }

      public IActionResult Index()
      {
         ViewBag.Message = _helloService.SayHello();
         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 });
      }
   }
}
```

Project Folder Structure





WAP to demonstrate different types of return types of a controller action method.

DemoController.cs

```
using Microsoft.AspNetCore.Mvc;

namespace Return_Type_C4.Controllers
{
   public class DemoController : Controller
   {
      // Return a view
      public IActionResult Index()
      {
         return View();
      }

      // Return JSON data
      public IActionResult JsonData()
      {
         var data = new { Name = "Lokesh Datta Ojha", Age = 30 };
         return Json(data);
      }

      // Return plain text content
      public IActionResult PlainText()
      {
         return Content("This is plain text content.");
      }

      // Return a file (assuming you have a file named sample.txt in wwwroot/files)
      public IActionResult FileDownload()
      {
         var filePath = "wwwroot/files/sample.txt";
         var contentType = "text/plain";
         var fileName = "sample.txt";
         return PhysicalFile(filePath, contentType, fileName);
      }

      // Return a redirect to another action
      public IActionResult RedirectToAction()
      {
         return RedirectToAction("Index", "Home");
      }

      // Return a redirect to an external URL
```

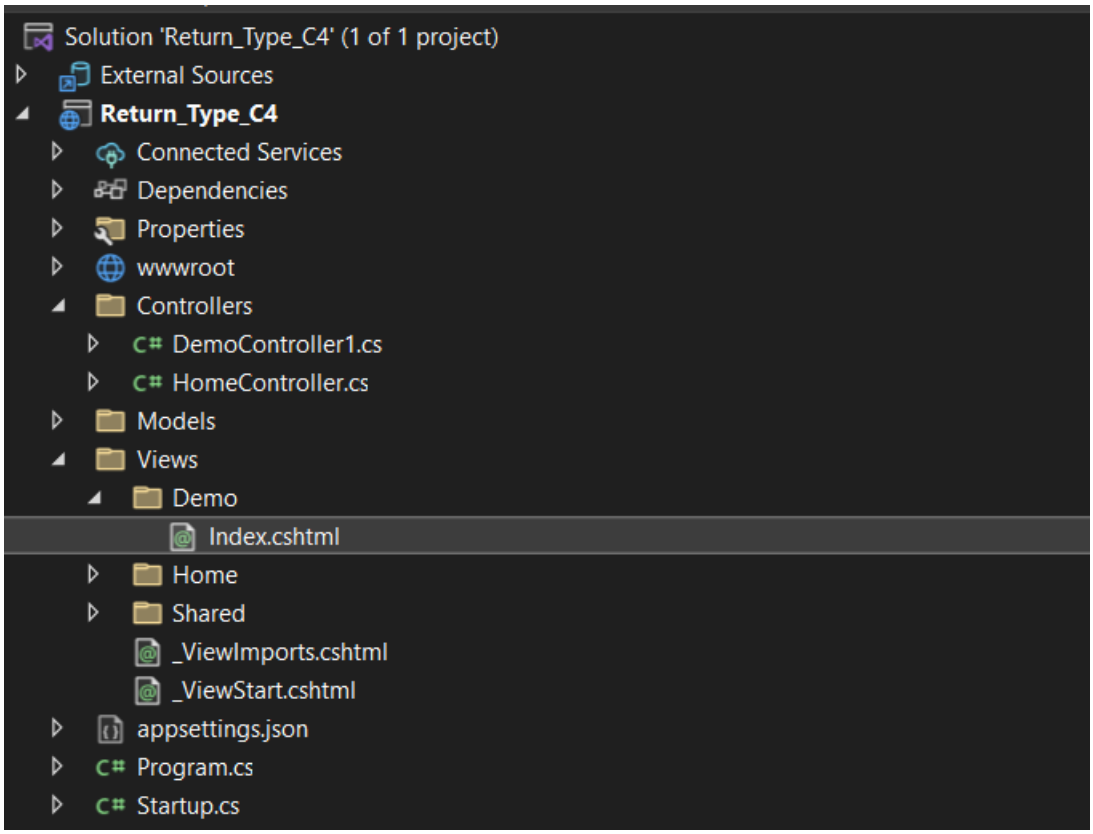
```
        public IActionResult RedirectToUrl()
        {
            return Redirect("https://www.Google.com");
        }

        // Return a status code
        public IActionResult NotFoundStatus()
        {
            return NotFound();
        }

        // Return no content
        public IActionResult NoContentResult()
        {
            return NoContent();
        }
    }
}
```

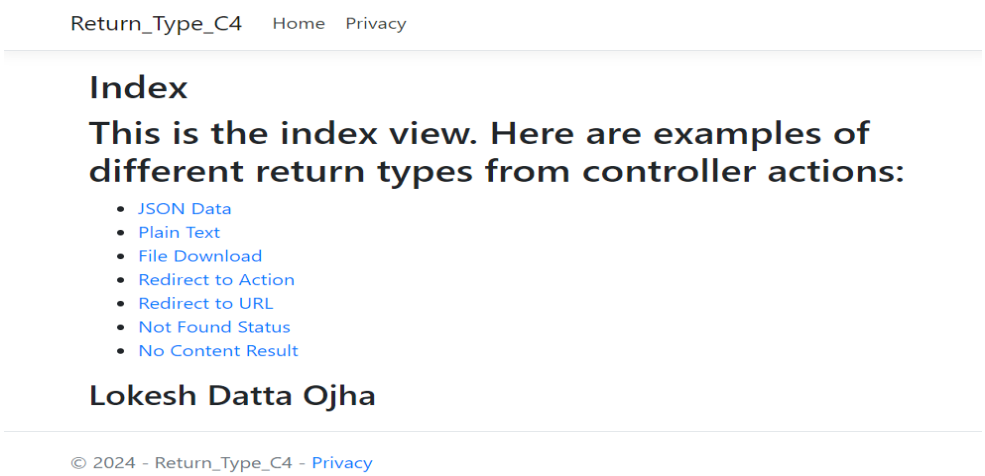
Index.cshtml

```
    @{
    ViewData["Title"] = "Index";
}

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>@ViewData["Title"]</title>
    <link                                                    rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div class="container">
        <h2>Index</h2>
        <h2>This is the index view. Here are examples of different return types from
controller actions:</h2>

        <ul>
            <li><a href="/Demo/JsonData">JSON Data</a></li>
            <li><a href="/Demo/PlainText">Plain Text</a></li>
            <li><a href="/Demo/FileDownload">File Download</a></li>
            <li><a href="/Demo/RedirectToActionDemo">Redirect to Action</a></li>
```

```
            <li><a href="/Demo/RedirectToUrl">Redirect to URL</a></li>
            <li><a href="/Demo/NotFoundStatus">Not Found Status</a></li>
            <li><a href="/Demo/NoContentResult">No Content Result</a></li>
        </ul>
        <h3>Lokesh Datta Ojha</h3>
    </div>
</body>
</html>
```

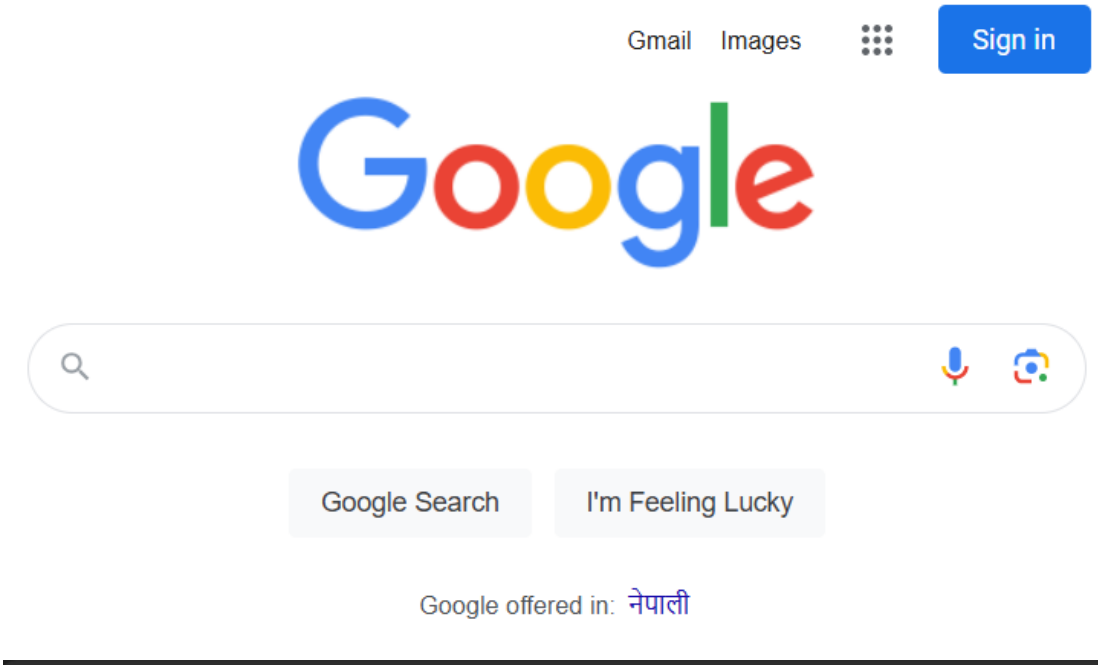
Project Folder Structure

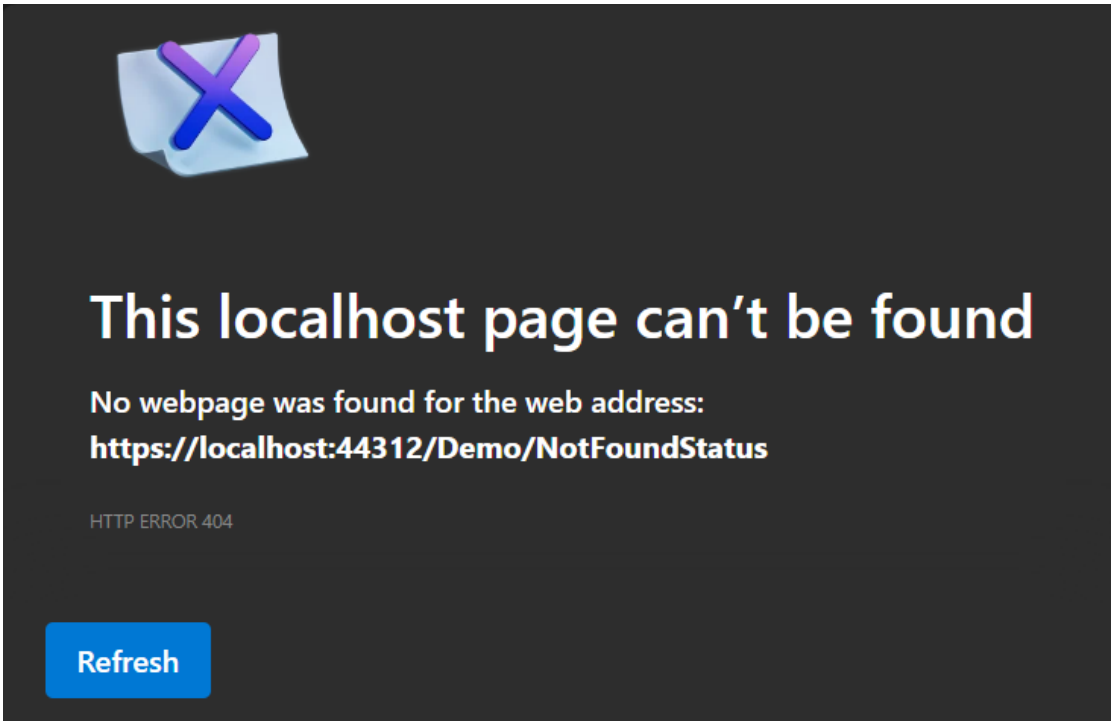




```
{
    "name": "Lokesh Datta Ojha",
    "age": 30
}
```


```
This is plain text content.
```





Use Viewbag, viewdata, and temp data to pass data from controller to views.

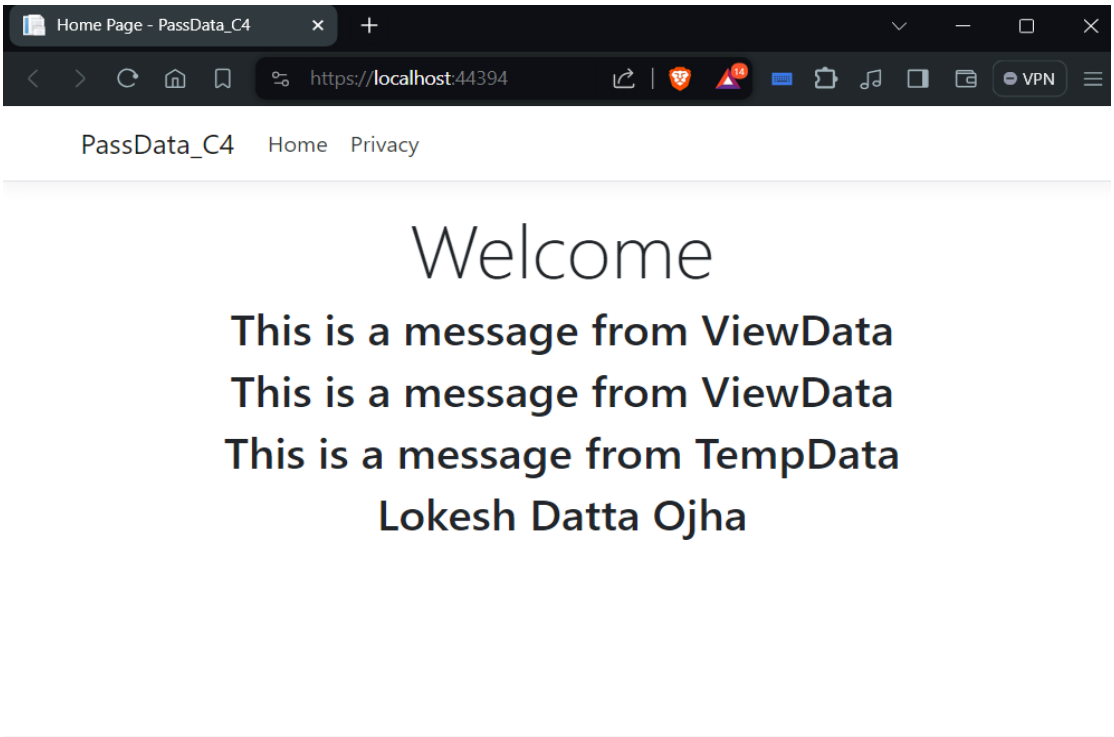
HomeControllwe.cs

```
public IActionResult Index()
        {
            ViewBag.Message = "This is a message from ViewBag";
            ViewData["Message"] = "This is a message from ViewData";
            TempData["Message"] = "This is a message from TempData";
            return View();
        }
```

Index.cshtml

```
@{
    ViewData["Title"] = "Home Page";
    var message = TempData["Message"] as string;
}
<div class="text-center">
    <h1 class="display-4">Welcome</h1>
    <h2>@ViewBag.Message</h2>
    <h2>@ViewData["Message"]</h2>
    <h2>@message</h2>
    <h2>Lokesh Datta Ojha<h2>
</div>
```

Output



Use a Model with appropriate data annotation and display a validation error msg on the page if the input is invalid.

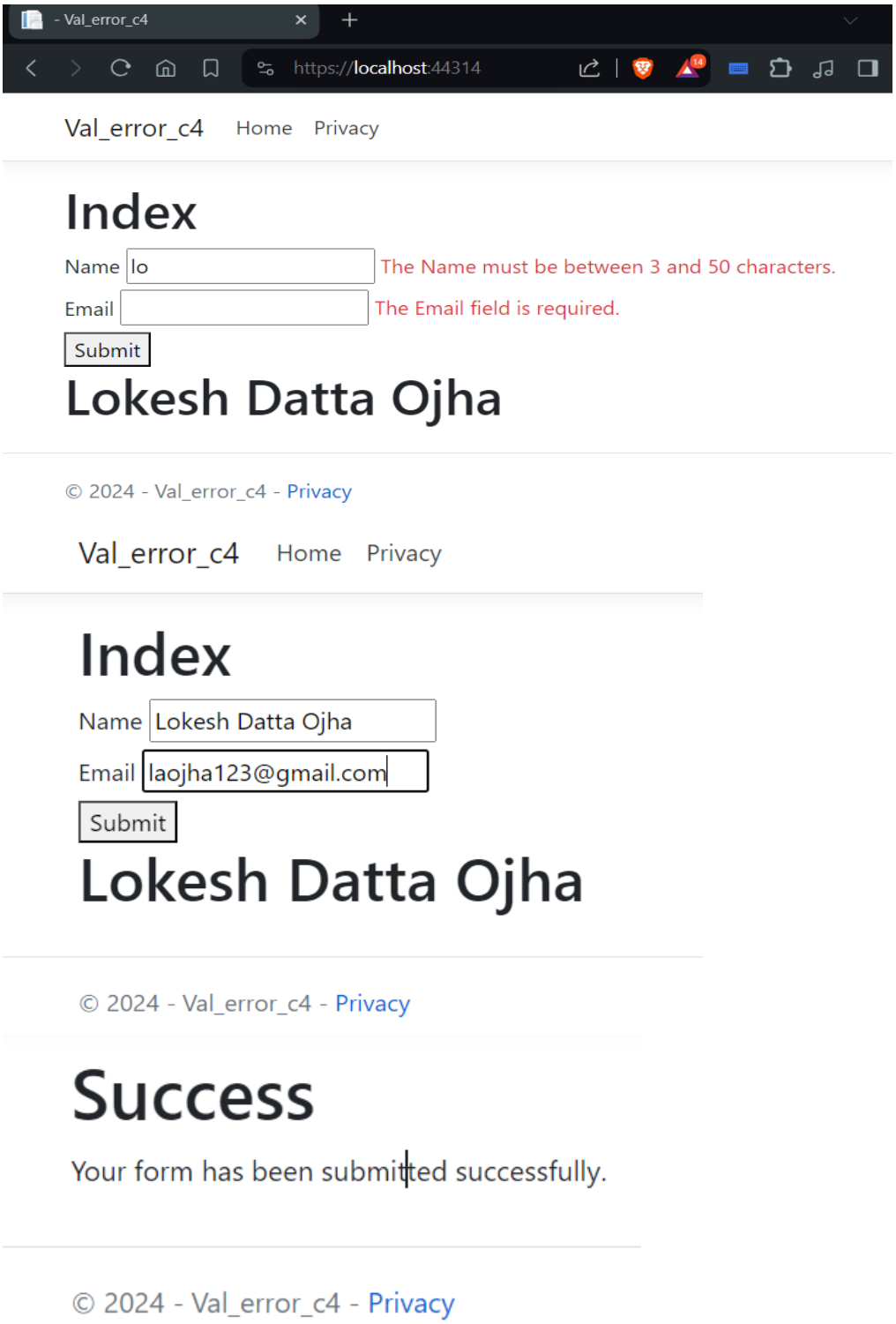
ErrorViewModel.cs

```
public class User
{
    [Required(ErrorMessage = "The Name field is required.")]
    [StringLength(50, MinimumLength = 5, ErrorMessage = "The Name must be between 3 and 50 characters.")]
    public string Name { get; set; }

    [Required(ErrorMessage = "The Email field is required.")]
    [EmailAddress(ErrorMessage = "Invalid email format.")]
    [StringLength(50, ErrorMessage = "The Email must not exceed 100 characters.")]
    public string Email { get; set; }
}
```

Index.cshtml

```
@model Val_error_c4.Models.User

<!DOCTYPE html>
<html>
<head>
    <title>Index</title>
</head>
<body>
    <h1>Index</h1>
    <form method="post">
        <div>
            <label asp-for="Name"></label>
            <input asp-for="Name" />
            <span asp-validation-for="Name " class="text-danger"></span>
        </div>
        <div>
            <label asp-for="Email"></label>
            <input asp-for="Email" />
            <span asp-validation-for="Email" class="text-danger"></span>
        </div>
        <button type="submit">Submit</button>
    </form>
    <h1>Lokesh Datta Ojha</h1>
</body>
</html>
```

Output


- Val_error_c4
https://localhost:44314
Val_error_c4 Home Privacy
Index
Name lo
The Name must be between 3 and 50 characters.
Email
The Email field is required.
Submit
Lokesh Datta Ojha
© 2024 - Val_error_c4 - Privacy
Val_error_c4 Home Privacy
Index
Name Lokesh Datta Ojha
Email laojha123@gmail.com
Submit
Lokesh Datta Ojha
© 2024 - Val_error_c4 - Privacy
Success
Your form has been submitted successfully.
© 2024 - Val_error_c4 - Privacy

Chapter 5:
Create a table named BAG(ID, Brand, Price, Date). Perform the following operations using Entity Framework Core.Update the Price of those Books to 2000 which are published on 2022.Delete the Books which are published in 1981Retrieve the Brand of the Book having a price greater than 500.
Bags.cs

```
using System;

namespace BooksManag_c4.Models
{
   public class Bags
   {

         public int ID { get; set; }
         public string Brand { get; set; }
         public decimal Price { get; set; }
         public DateTime Date { get; set; }
   }

}
```

BagController.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.Rendering;
using Microsoft.EntityFrameworkCore;
using BooksManag_c4.Data;
using BooksManag_c4.Models;

namespace BooksManag_c4.Controllers
{
   public class BagsController : Controller
   {
      private readonly BagsContext _context;

      public BagsController(BagsContext context)
      {
         _context = context;
      }
```

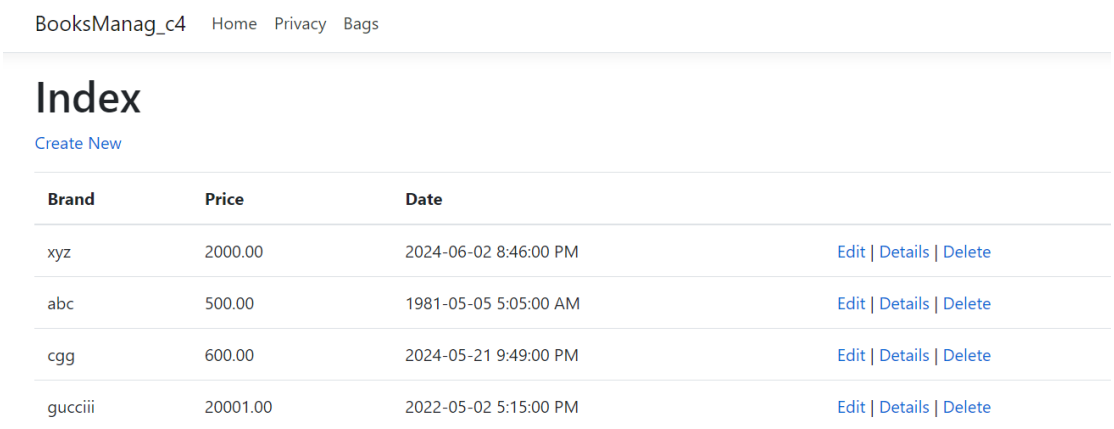
```
        // GET: Bags
        public async Task<IActionResult> Index()
        {
            return View(await _context.Bags.ToListAsync());
        }

        // GET: Bags/Details/5
        public async Task<IActionResult> Details(int? id)
        {
            if (id == null)
            {
                return NotFound();
            }

            var bags = await _context.Bags
                .FirstOrDefaultAsync(m => m.ID == id);
            if (bags == null)
            {
                return NotFound();
            }

            return View(bags);
        }

        // GET: Bags/Create
        public IActionResult Create()
        {
            return View();
        }

        [HttpPost]
        [ValidateAntiForgeryToken]
        public async Task<IActionResult> Create([Bind("ID,Brand,Price,Date")] Bags
bags)
        {
            if (ModelState.IsValid)
            {
                _context.Add(bags);
                await _context.SaveChangesAsync();
                return RedirectToAction(nameof(Index));
            }
            return View(bags);
        }
```

```
        // GET: Bags/Edit/5
        public async Task<IActionResult> Edit(int? id)
        {
            if (id == null)
            {
                return NotFound();
            }

            var bags = await _context.Bags.FindAsync(id);
            if (bags == null)
            {
                return NotFound();
            }
            return View(bags);
        }

        [HttpPost]
        [ValidateAntiForgeryToken]
        public async Task<IActionResult> Edit(int id, [Bind("ID,Brand,Price,Date")]
Bags bags)
        {
            if (id != bags.ID)
            {
                return NotFound();
            }

            if (ModelState.IsValid)
            {
                try
                {
                    _context.Update(bags);
                    await _context.SaveChangesAsync();
                }
                catch (DbUpdateConcurrencyException)
                {
                    if (!BagsExists(bags.ID))
                    {
                        return NotFound();
                    }
                    else
                    {
                        throw;
                    }
                }
```

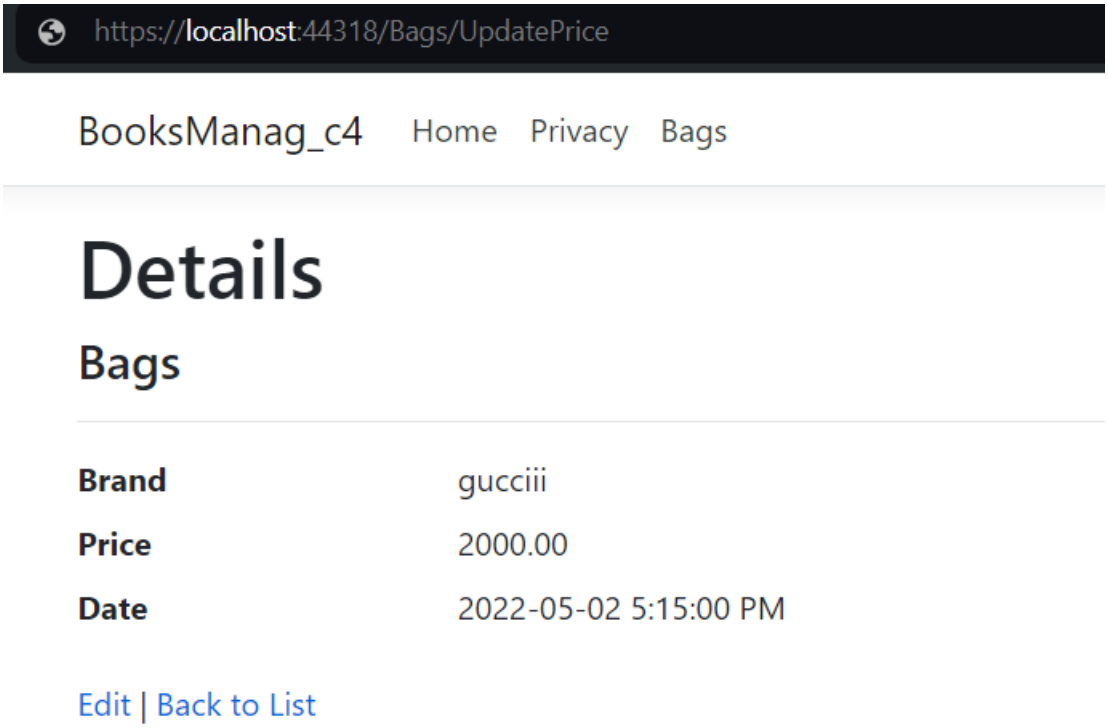
```
        return RedirectToAction(nameof(Index));
    }
    return View(bags);
}

// GET: Bags/Delete/5
public async Task<IActionResult> Delete(int? id)
{
    if (id == null)
    {
        return NotFound();
    }

    var bags = await _context.Bags
        .FirstOrDefaultAsync(m => m.ID == id);
    if (bags == null)
    {
        return NotFound();
    }

    return View(bags);
}

// POST: Bags/Delete/5
[HttpPost, ActionName("Delete")]
[ValidateAntiForgeryToken]
public async Task<IActionResult> DeleteConfirmed(int id)
{
    var bags = await _context.Bags.FindAsync(id);
    _context.Bags.Remove(bags);
    await _context.SaveChangesAsync();
    return RedirectToAction(nameof(Index));
}

private bool BagsExists(int id)
{
    return _context.Bags.Any(e => e.ID == id);
}
[HttpPost]
public IActionResult UpdatePrice()
{
    var bagsToUpdate = _context.Bags.Where(b => b.Date.Year == 2022);
    foreach (var bag in bagsToUpdate)
    {
```

```
            bag.Price = 2000;
        }
        _context.SaveChanges();

        return Ok("Prices updated.");
    }

    // Delete the Bags which are published in 1981
    [HttpPost]
    public IActionResult DeleteBags()
    {
        var bagsToDelete = _context.Bags.Where(b => b.Date.Year == 1981);
        _context.Bags.RemoveRange(bagsToDelete);
        _context.SaveChanges();

        return Ok("Bags deleted.");
    }

    // Retrieve the Brand of the Bags having a price greater than 500
    [HttpGet]
    public IActionResult GetBrands()
    {
        var brands = _context.Bags
                        .Where(b => b.Price > 500)
                        .Select(b => b.Brand)
                        .ToList();

        return Ok(brands);
    }
  }
}
```

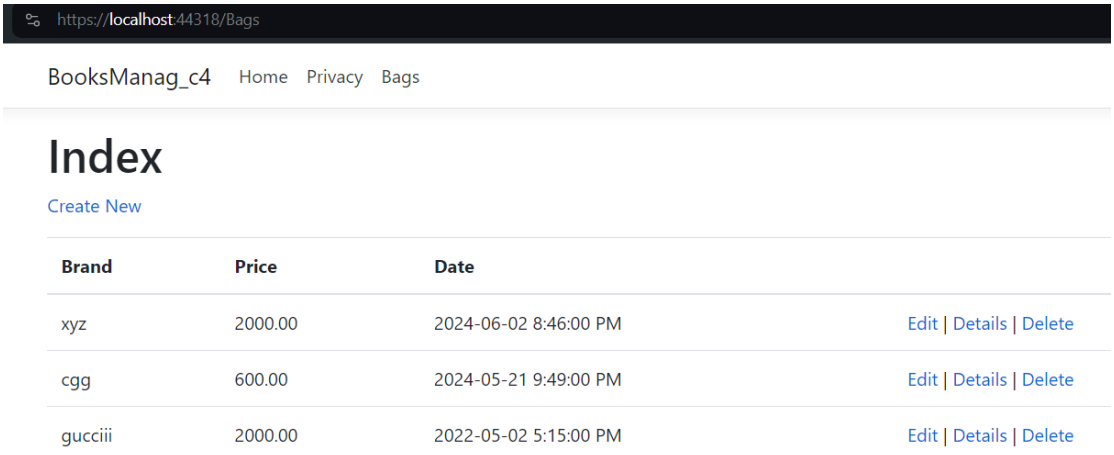
Output:



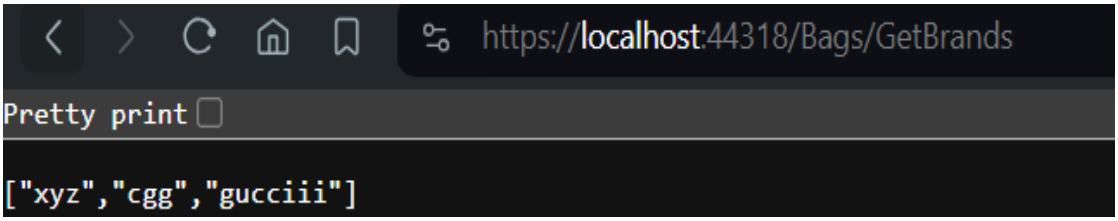
Update



Delete



Retrive



Chapter 6

Give an example to manage the session state.

HomeController.cs

```
public IActionResult Index()
      {
         // Set session values
         HttpContext.Session.SetString("UserName", "Lokesh Datta Ojha");
         HttpContext.Session.SetInt32("UserAge", 22);

         return View();
      }
```

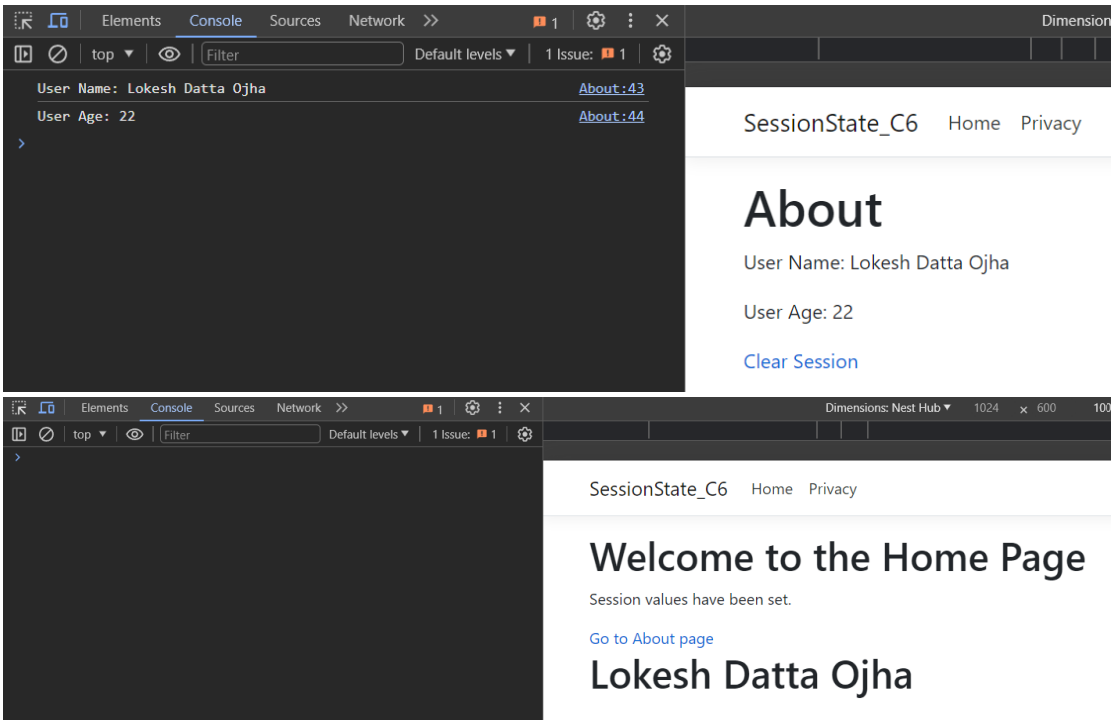
Index.cshtml

```
@{
   ViewData["Title"] = "Home Page";
}

<div>
   <h1>Welcome to the Home Page</h1>
   <p>Session values have been set.</p>
   <a href="/Home/About">Go to About page</a>
   <h1>Lokesh Datta Ojha
   </h1>
</div>
```

About.cshtml

```
@{
   ViewData["Title"] = "About Page";
}

<div>
   <h1>About</h1>
   <p>User Name: @ViewBag.UserName</p>
   <p>User Age: @ViewBag.UserAge</p>
   <a href="/Home/ClearSession">Clear Session</a>
</div>
<script>
   console.log("User Name: @ViewBag.UserName");
   console.log("User Age: @ViewBag.UserAge");
</script>
```

Output:


Elements
Console
Sources
Network
top
Filter
Default levels
1 Issue: 1
User Name: Lokesh Datta Ojha
About:43
User Age: 22
About:44
SessionState_C6
Home
Privacy
About
User Name: Lokesh Datta Ojha
User Age: 22
Clear Session

Elements
Console
Sources
Network
top
Filter
Default levels
1 Issue: 1
SessionState_C6
Home
Privacy
Welcome to the Home Page
Session values have been set.
Go to About page
Lokesh Datta Ojha

Chapter :7

Design a client-side validation application using jQuery for taking input data from students in the Library Management System, assume your own assumptions.

AddStudent.cshtml

```
@{
    ViewData["Title"] = "Add Student";
}

<form id="studentForm">
    <div class="form-group">
        <label for="name">Name:</label>
        <input type="text" class="form-control" id="name" name="name" required>
        <span class="text-danger" id="nameError"></span>
    </div>

    <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" class="form-control" id="email" name="email" required>
        <span class="text-danger" id="emailError"></span>
    </div>

    <div class="form-group">
        <label for="studentId">Student ID:</label>
        <input type="text" class="form-control" id="studentId" name="studentId"
required>
        <span class="text-danger" id="studentIdError"></span>
    </div>

    <button type="submit" class="btn btn-primary">Submit</button>
</form>

@section Scripts {
    <script>
        $(document).ready(function () {
            $('#studentForm').submit(function (event) {
                event.preventDefault(); // Prevent form submission

                var name = $('#name').val();
                var email = $('#email').val();
                var studentId = $('#studentId').val();
```

```
            // Validate Name
            if (name.trim() === '' || name.length < 5) {
                $('#nameError').text('Please enter your name.');
                return false; // Prevent form submission
            }

            // Validate Email
            if (email.trim() === '') {
                $('#emailError').text('Please enter your email.');
                return false; // Prevent form submission
            }
            // Validate Email Format
            if (email.length < 10) {
                    $('#emailError').text('Invalid email format.');
                    return false; // Prevent form submission
            }


            // Validate Student ID
            if (studentId.trim() === '') {
                $('#studentIdError').text('Please enter your student ID.');
                return false; // Prevent form submission
            }
            if (isNaN(studentId)) {
                $('#studentIdError').text('Student ID must be a numeric value.');
                return false; // Prevent form submission
            }

            // If all validations pass, submit the form
            return true;
        });
    });
  </script>
}
```

Output

client_side_validation_c7 Home Privacy

Name:

44552l

Please enter your name.

Email:

l@g.com

Invalid email format.

Student ID:

gh

Student ID must be a numeric value.

Submit

Chapter 8:
Design a web application and secure it using authentication, and authorization.
AccountController.cs

```
using Microsoft.AspNetCore.Authentication.Cookies;
using Microsoft.AspNetCore.Authentication;
using Microsoft.AspNetCore.Mvc;
using System.Collections.Generic;
using System.Security.Claims;
using System.Threading.Tasks;

namespace Auth_c8.Controllers
{
   public class AccountController : Controller
   {
      [HttpGet]
      public IActionResult Login(string returnUrl)
      {
         ViewBag.ReturnUrl = returnUrl;
         return View();
      }

      [HttpPost]
      public async Task<IActionResult> Login(string username, string password, string
returnUrl)
      {
         if (username == "admin" && password == "admin")
         {
            var claims = new List<Claim>
            {
               new Claim(ClaimTypes.Name, username),
               new Claim(ClaimTypes.Role, "Admin")
            };

            var claimsIdentity = new ClaimsIdentity(claims,
CookieAuthenticationDefaults.AuthenticationScheme);
            var claimsPrincipal = new ClaimsPrincipal(claimsIdentity);

            await
HttpContext.SignInAsync(CookieAuthenticationDefaults.AuthenticationScheme,
claimsPrincipal);

            return Redirect(returnUrl ?? "/");
         }
```

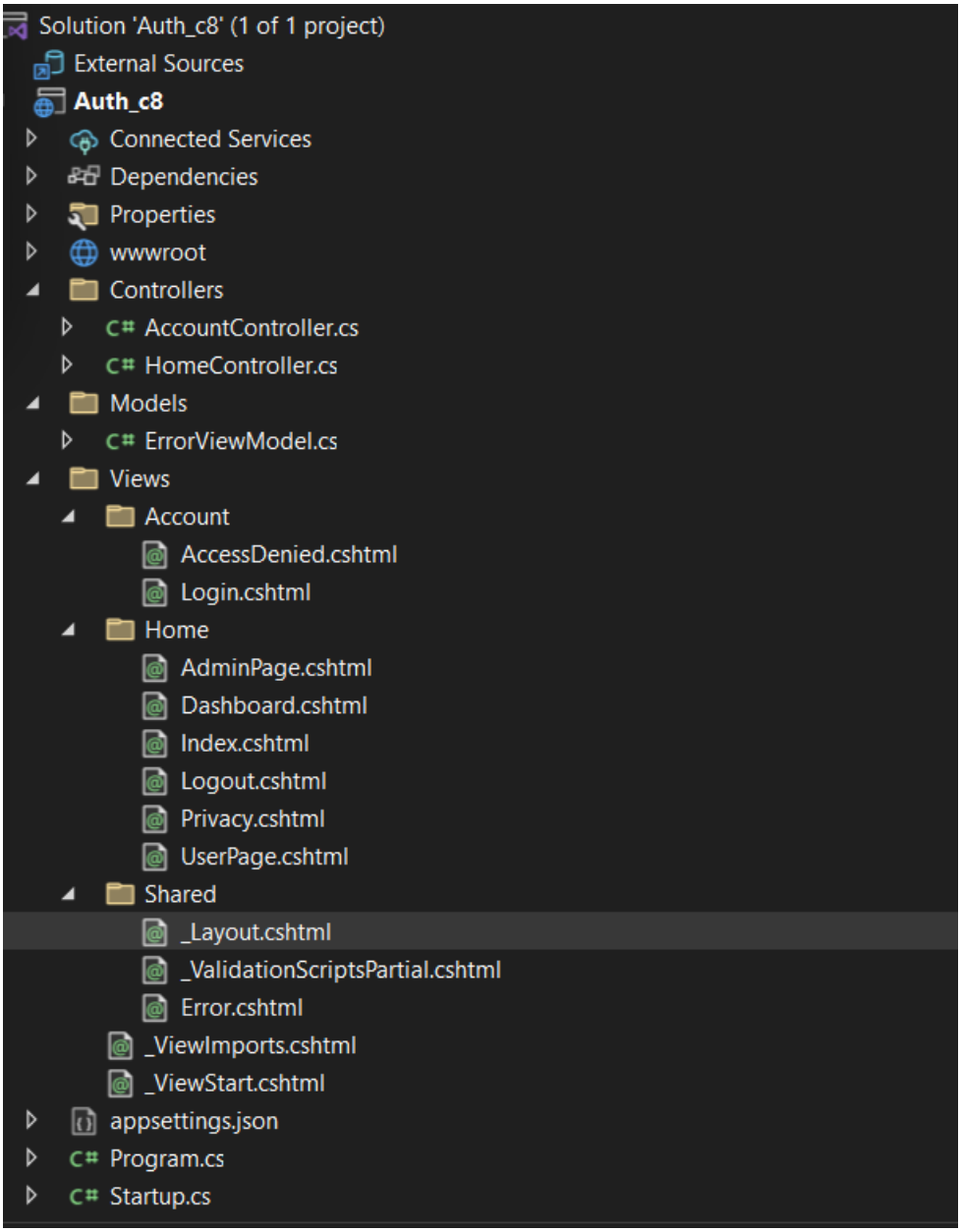
```
            if (username == "user" && password == "user")
            {
                var claims = new List<Claim>
                {
                    new Claim(ClaimTypes.Name, username),
                    new Claim(ClaimTypes.Role, "User")
                };

                var claimsIdentity = new ClaimsIdentity(claims,
CookieAuthenticationDefaults.AuthenticationScheme);
                var claimsPrincipal = new ClaimsPrincipal(claimsIdentity);

                await
HttpContext.SignInAsync(CookieAuthenticationDefaults.AuthenticationScheme,
claimsPrincipal);

                return Redirect(returnUrl ?? "/");
            }

            ViewBag.Error = "Invalid username or password";
            return View();
        }

        public async Task<IActionResult> Logout()
        {
            await
HttpContext.SignOutAsync(CookieAuthenticationDefaults.AuthenticationScheme);
            return RedirectToAction("Index", "Home");
        }

        public IActionResult AccessDenied()
        {
            return View();
        }
    }
    }
```

Startup.cs

```
using Microsoft.AspNetCore.Authentication.Cookies;
using Microsoft.AspNetCore.Authorization;
using Microsoft.AspNetCore.Builder;
using Microsoft.AspNetCore.Hosting;
using Microsoft.Extensions.DependencyInjection;
```

```
using Microsoft.Extensions.Hosting;

public class Startup
{
   public void ConfigureServices(IServiceCollection services)
   {
      services.AddControllersWithViews();


services.AddAuthentication(CookieAuthenticationDefaults.AuthenticationScheme)
         .AddCookie(options =>
         {
            options.LoginPath = "/Account/Login";
            options.AccessDeniedPath = "/Account/AccessDenied";
         });

      services.AddAuthorization(options =>
      {
         options.AddPolicy("Admin", policy => policy.RequireRole("Admin"));
         options.AddPolicy("User", policy => policy.RequireRole("User"));
         options.AddPolicy("AdminOrUser",  policy  =>  policy.RequireRole("Admin",
"User"));
      });
   }

   public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
   {
      if (env.IsDevelopment())
      {
         app.UseDeveloperExceptionPage();
      }
      else
      {
         app.UseExceptionHandler("/Home/Error");
         app.UseHsts();
      }

      app.UseHttpsRedirection();
      app.UseStaticFiles();

      app.UseRouting();

      app.UseAuthentication();
      app.UseAuthorization();
```

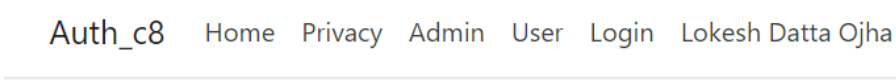
```
        app.UseEndpoints(endpoints =>
        {
            endpoints.MapControllerRoute(
                name: "default",
                pattern: "{controller=Home}/{action=Index}/{id?}");
        });
    }
}
```

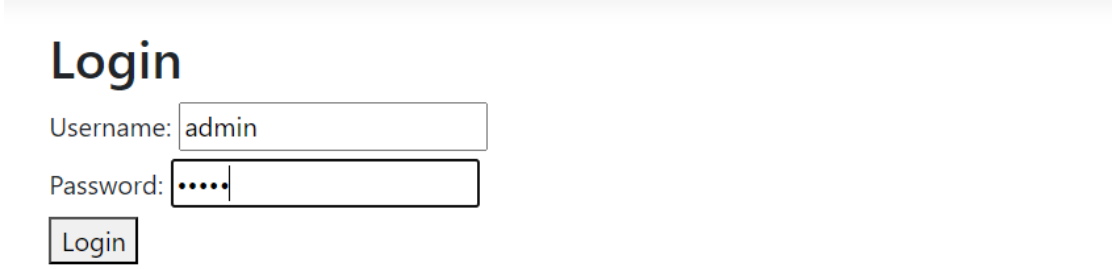


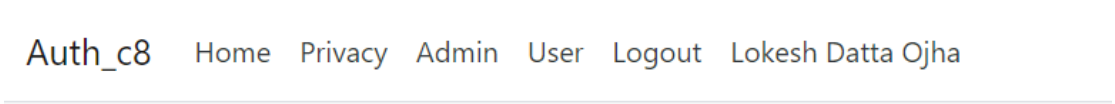
Auth_c8 Home Privacy Admin User Logout Lokesh Datta Ojha

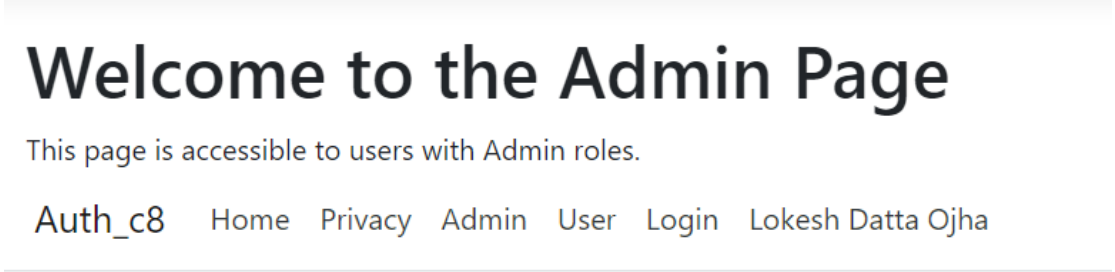
Welcome to the Home Page

This page is accessible to everyone.

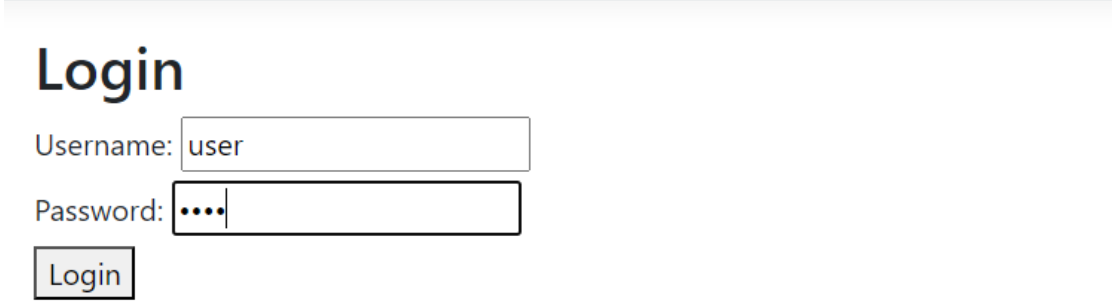

Auth_c8
Home
Privacy
Admin
User
Login
Lokesh Datta Ojha

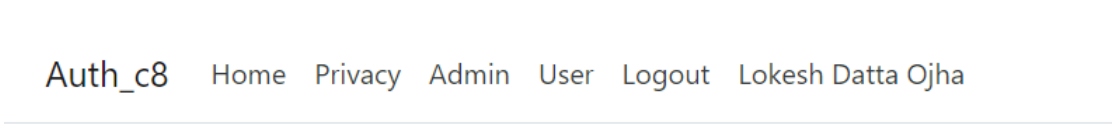

Login
Username: admin
Password:
Login

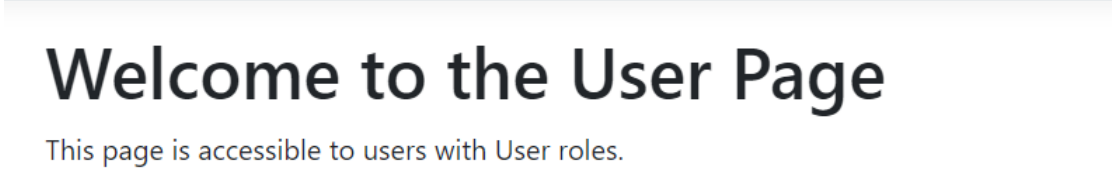

Auth_c8
Home
Privacy
Admin
User
Logout
Lokesh Datta Ojha


Welcome to the Admin Page
This page is accessible to users with Admin roles.

Auth_c8
Home
Privacy
Admin
User
Login
Lokesh Datta Ojha


Login
Username: user
Password:
Login


Auth_c8
Home
Privacy
Admin
User
Logout
Lokesh Datta Ojha


Welcome to the User Page
This page is accessible to users with User roles.