Q1) --------

Code)

Controller :-

```csharp
    using System.Diagnostics;
using Microsoft.AspNetCore.Mvc;
using UserProject.Models;
using BLL;
using BOL;

namespace UserProject.Controllers;

public class UserController : Controller
{
    private readonly ILogger<UserController> _logger;

    public UserController(ILogger<UserController> logger)
    {
        _logger = logger;
    }

    public IActionResult GetAll()
    {
        List<User> u_list = new List<User>();
        UserManager u_mgr = new UserManager();
        u_list = u_mgr.getAll();
        ViewData["Users"] = u_list;
        return View();
    }

    [ResponseCache(Duration = 0, Location = ResponseCacheLocation.None,
NoStore = true)]
    public IActionResult Error()
    {
        return View(new ErrorViewModel { RequestId = Activity.Current?.Id ??
HttpContext.TraceIdentifier });
    }
}
```

BOL :-

```csharp
namespace BOL;

public class User
{
    public string Uname{get;set;}
```

```csharp
    public string Pass{get;set;}
    public string Email{get;set;}

    public User(string uname,string pass,string email)
    {
        this.Uname=uname;
        this.Pass=pass;
        this.Email=email;
    }
}
```

DAL :-

```csharp
namespace DAL;
using BOL;
using MySql.Data.MySqlClient;
public class DBManager
{
    private static string conString =
"server=192.168.10.150;port=3306;user=dac17;password=welcome;database=dac17";
    private static MySqlConnection con = null;
    public static List<User> getAllUser(){
        List<User> u_list = new List<User>();
        con = new MySqlConnection();
        con.ConnectionString = conString;
        string query = "select * from login";
        MySqlCommand cmd = new MySqlCommand(query, con);
        try{
            con.Open();
            MySqlDataReader rd = cmd.ExecuteReader();
            while(rd.Read()){
                string uname = rd["username"].ToString();
                string pass = rd["password"].ToString();
                string email = rd["email"].ToString();
                u_list.Add(new User(uname, pass, email));
            }
            rd.Close();
        }catch(Exception e){
            Console.WriteLine("Error: "+e.Message);
        }
        finally{
            con.Close();
        }
        return u_list;
    }
}
```

BLL :-

```
namespace BLL;
using DAL;
using BOL;
public class UserManager{
    public List<User> getAll(){
        return DBManager.getAllUser();
    }
}
```
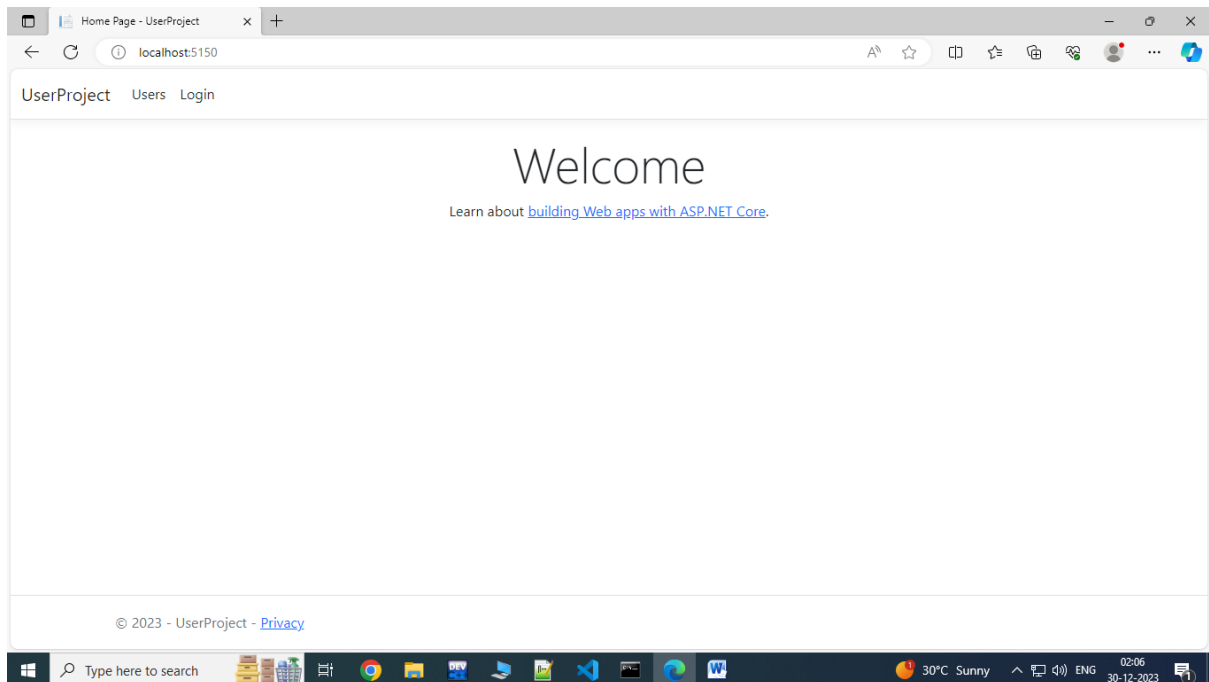
View code

GetAll :-

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

    List<User> u_list = ViewData["Users"] as List<User>;
    <legend align="center"><h1>User Details</h1></legend>
    foreach (User u in u_list)
    {
        <fieldset>
            <div class="text-center">
                <p>Username: @u.Uname</p>
                <p>Password: @u.Pass</p>
                <p>Email: @u.Email</p>
                <hr>
            </div>
        </fieldset>
    }
}
```

Snapshots )

## Home Page



## User Page