

STAR SECURITY SERVICES

ASP.NET MVC CORE

DEVELOPER'S GUIDE

18 FEBRUARY 2024



A PROJECT REPORT
ON
STAR SECURITY SERVICES
SUBMITTED IN THE PARTIAL FULFILMENT FOR THIRD SEMESTER
TO
THE INSTITUTE OF COMPUTER EDUCATION (APTECH NORTH KARACHI)
SUBMITTED BY
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UNDER THE SUPERVISION OF
SIR JAZIB HABIB

FEBRUARY, 2024

SUPERVISOR NAME: SYED JAZIB HABIB

SEMESTER: THIRD (FALL-2024)

PROJECT TITLE: ASP.NET MVC-PROJECT OF WEB APPLICATION

BATCH CODE: 2208F1

PROJECT NAME: STAR SECURITY SERVICES

PROJECT DURATION: 18 JAN – 18TH FEB 2024

NUMBER OF GROUP MEMBERS: THREE

GROUP MEMBERS

Name	Student Id
Waniya Aftab	Student 1402449
Mahnoor Sadiq	Student 1397280
Tabsheer Zeeshan	Student 1404835

BACK-END



PROJECT SUMMARY

We are a professional agency providing customized security arrangements to the industrial, commercial, and business houses

Star Security Services have been providing industry-recognized and ISO-accredited professional security services for over 15 years. Our team of highly trained security professionals is comprised of experienced personnel from various countries worldwide, their security background and knowledge are often an extension of their previous occupation within military and police forces of their respective home countries

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ACKNOWLEDGEMENT

Acknowledgments

We are thankful to Almighty Allah, most beneficial and most merciful, for giving us the courage and devotion to work on the assigned project successfully within a due course of time.

We also eternally indebted to our supervisor **SYED JAZIB SHAH** for all the help, invaluable guidance and generous support. We have been very fortunate to be associated with such a kind person. We are sincerely grateful to him.

After all, we are especially thankful to the Aptech E-Project team, who give us immense pleasure to address us about E-Project. They provide us a new way of learning, which would value add the existing course material that has been provided to us.

E-PROJECT SYNOPSIS AND ANALYSIS

E-PROJECT SYNOPSIS

We are a professional agency providing customized security arrangements to the industrial, commercial, and business houses

Star securities has been one of the pioneers in the Private Security Industry. Set up in 2000, the company has been a thought and knowledge leader since its inception. Through the decade of its existence, Star has endeavored to provide the best security solutions to its customers through innovation, commitment to quality, training and strict compliance to international standards.

Setup as Investigation firm almost 10 years ago, today the company has grown into a "Total Security Solutions Provider" offering manned guarding (MG), investigations (C&I), electronic security systems (ESS) and cash services (CS) to over 250 corporate customers across 24 states.

Star is an ISO 9001:2000 certified public limited company. Backed by a trained workforce of over 2800 men & supervisors and 100 banded managers, Star delivers premium services with high quality and absolute integrity.

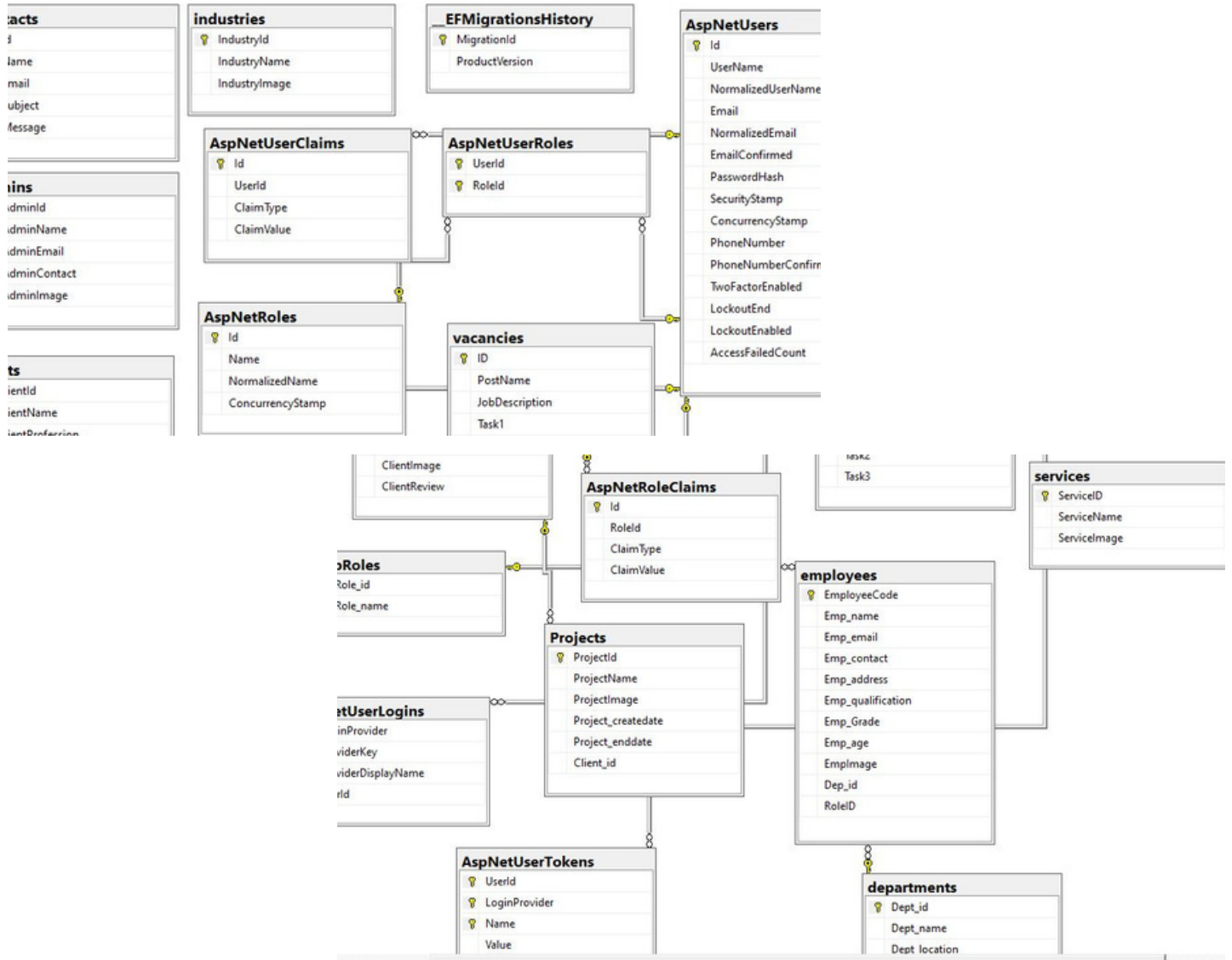
E-PROJECT ANALYSIS

STAR BELIEVES IN CONTINUOUSLY UPGRADING THE QUALITY OF OUR RESOURCES AND INFRASTRUCTURE TO SUPPORT THE EVER-CHANGING CUSTOMER REQUIREMENTS. IN PURSUANCE TO THIS, STAR WANTS THE SECURITY BUSINESS TO IMPLEMENT A STATE-OF-THE-ART ERP SOLUTION TO MANAGE THE DAY-TO-DAY OPERATIONS OF THE COMPANY.

OBJECTIVES

TO PROVIDE A TEAM OF WELL-TRAINED PERSONNEL SO AS TO RELIEVE OUR CLIENTS OF ALL VEXATIONS AND BOTHERS APPERTAINING TO THEIR SAFETY, SECURITY AND MANAGEMENT.

E-PROJECT DESIGN



- + **dbo.Admins**
- + **dbo.AspNetRoleClaims**
- + **dbo.AspNetRoles**
- + **dbo.AspNetUserClaims**
- + **dbo.AspNetUserLogins**
- + **dbo.AspNetUserRoles**
- + **dbo.AspNetUsers**
- + **dbo.AspNetUserTokens**
- + **dbo.clients**
- + **dbo.contacts**
- + **dbo.departments**
- + **dbo.employees**

REQUIREMENTS

FUNCTIONAL REQUIREMENTS.

**A WEB-SITE INCORPORATING ALL THE INFORMATION ABOUT THE STAR SECURITY SERVICES IS REQUIRED WITH FOLLOWING FUNCTIONALITY
THERE SHOULD BE A MENU CATEGORIZING THE VARIOUS ASPECTS OF THE STAR. THE DETAILED MENU OPTIONS ARE AS MENTIONED BELOW.**

1. ABOUT US:

O HISTORY : WHEN THE ORGANIZATION STARTED , HOW, WHERE ETC

O CHAIRMAN'S PROFILE : DETAILS ABOUT THE CHAIRMAN

O BOARD OF DIRECTORS : DETAILS ABOUT THE BOARD MEMBERS

2. OUR BUSINESS:

O MANNED GUARDING: THE SERVICE PORTFOLIO OF THIS DIVISION INCLUDES GUARDING, FIRE SQUAD, DOG SQUAD, BODYGUARDS ETC. FOR INDUSTRIES, BANKS, RETAIL OUTLETS, RESIDENTIAL COLONIES, HOTELS AND INSTITUTIONS

O CASH SERVICES: THE SERVICE RANGE OF THE CASH SERVICES DIVISION INCLUDES SECURED TRANSFER OF CASH AND VALUABLES, ATM REPLENISHMENT, VAULTING AND PROCESSING SERVICES, MULTI-POINT CASH COLLECTION AND CARETAKER SERVICES

O RECRUITMENT AND TRAINING: THIS DIVISION WORKS IN CLOSE ALIGNMENT WITH MULTIPLE DIVISION OF STAR WITH AN OBJECTIVE OF RECRUITING TRAINING AND DELIVERING SUITABLE MANPOWER TO MEET THEIR REQUIREMENTS.

O ELECTRONIC SECURITY SYSTEMS: THIS DIVISION WORKS IN CLOSE ASSOCIATION WITH SIS'S STRATEGIC PARTNERS I.E. REPUTED SYSTEM INTEGRATORS & INSTALLERS. THE PRIMARY AREA OF ACTIVITY FOR THIS DIVISION IS DESIGN, INSTALLATION AND MAINTENANCE OF ACCESS CONTROL SYSTEMS, CCTVS, FIRE ALARM SYSTEMS, FIRE SUPPRESSION SYSTEMS, INTRUDER/BURGLAR ALARMS, PERIMETER PROTECTION SYSTEMS, ETC. THE DIVISION AIMS AT MARKETING ITS PRODUCTS TO THE EXISTING CUSTOMER BASE.

3. OUR NETWORK:

O NORTH REGION

O WEST REGION

O EAST REGION

O SOUTH REGION

IT SHOULD PROVIDE THE DETAILS OF STAR BRANCHES (ADDRESS /CONTACT DETAILS/ CONTACT PERSON IN THE VARIOUS REGIONS AS ABOVE

4. CAREERS WITH US: THE WEBSITE SHOULD ALSO DISPLAY THE VARIOUS VACANCIES AVAILABLE WITH STAR ALONG WITH THE COMPLETE DETAILS OF IT. IT SHOULD ALSO REMOVE THE VACANCY ONCE FILLED

5. CLIENTS:

O NAME OF CLIENT

O SERVICES AVAILED

O STAFF ASSIGNED

6. LOGIN:

O WEBSITE SHOULD PROVIDE LOGIN ONLY FOR THE EMPLOYEES. NO OUTSIDER CAN CREATE LOGIN OR REGISTER

O THE EMPLOYEES WILL HAVE THE RESTRICTED ACCESS TO THE WEBSITE CONTENT AS PER THEIR ROLE. E.G. THE NORMAL STAFF CAN SEE THE PERSONAL DETAILS OF THE OTHER STAFF, WHERE ALL HAVE POSTED ETC. BUT THEY CANNOT ACCESS THE AREAS LIKE EDITING THE SERVICES OFFERED, STAFF DETAILS, VACANCY POSTING ETC.

7. TESTIMONIALS

8. SITE MAP

9. CONTACT US

10. FOLLOWING DETAILS OF EMPLOYEES SHOULD BE DISPLAYED :

• EMPLOYEE NAME

• EMPLOYEE ADDRESS

• EMPLOYEE CONTACT NUMBER

• EDUCATIONAL QUALIFICATION

• EMPLOYEE CODE

• DEPARTMENT

• ROLE

• GRADE

• CLIENT

• ACHIEVEMENTS(IF ANY)

11. USERS WITH ADMIN PRIVILEGES CAN

O ADD/UPDATE/DELETE/EDIT THE DETAILS OF THE EMPLOYEES.

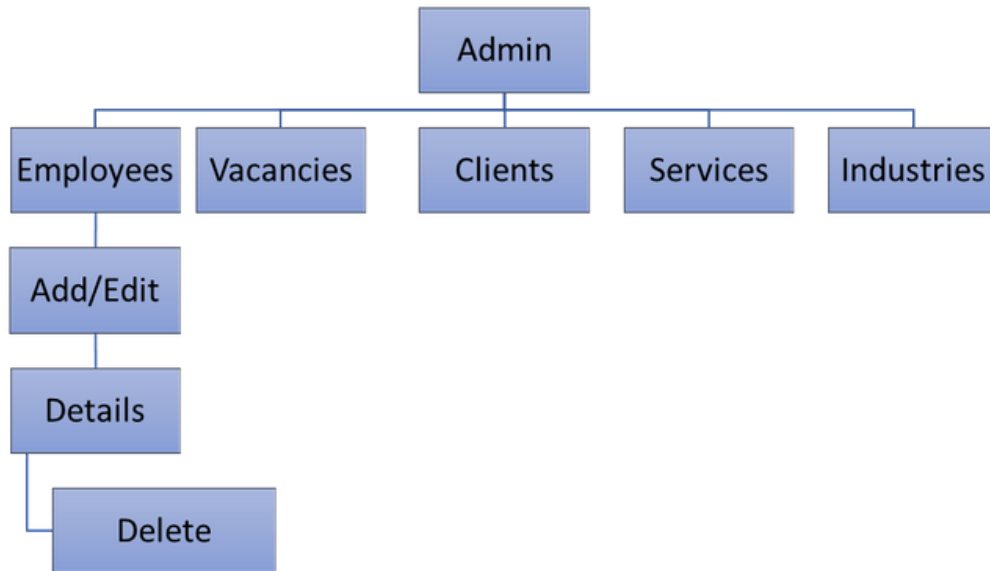
O ADD/UPDATE/DELETE/EDIT VACANCIES

O ADD/UPDATE/DELETE/EDIT SERVICES OFFERED

O ADD/UPDATE/DELETE/EDIT CLIENTS DETAILS

DATA FLOW DIAGRAM

ADMIN-PANEL



FRONT-END

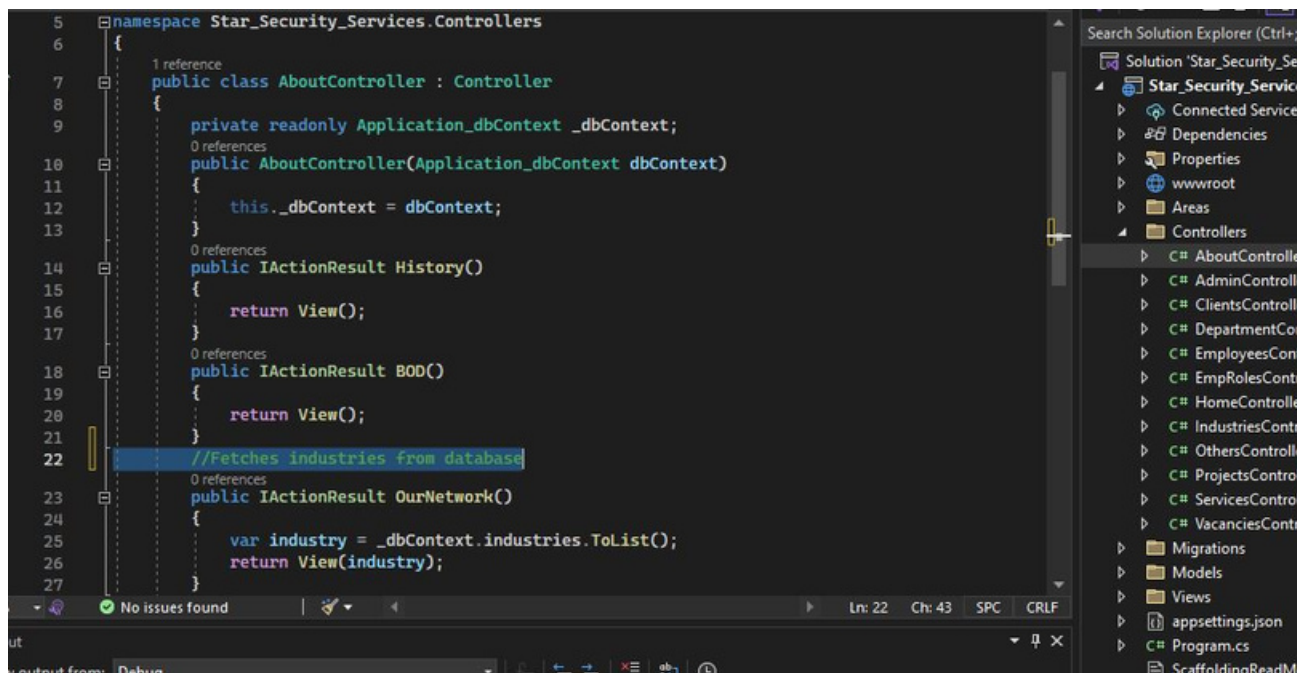
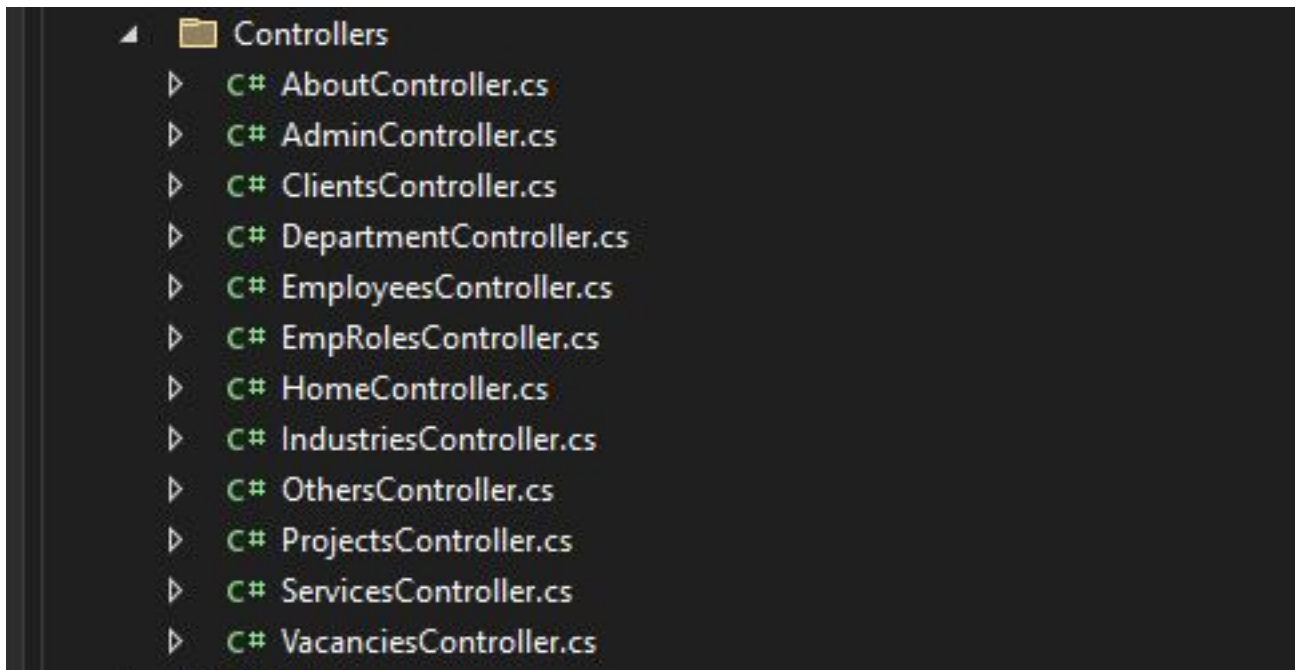


PROJECT STRATEGY AND OVERVIEW

S.no	Tasks	Days	Students
1	Database	4	Waniya
2	Admin-Panel	12	Mahnoor Tabsheer Waniya
3	Front-End	13	Mahnoor Tabsheer Waniya
4	Documentation	1	Mahnoor Tabsheer Waniya

CODE-SNIPPETS

Controllers



ADMIN CONTROLLER

```
private readonly Application_dbContext _applicationDbContext;
private readonly IWebHostEnvironment _webHostEnvironment;

0 references
public AdminController(Application_dbContext applicationDbContext, IWebHostEnvironment webHostEnvironment)
{
    this._applicationDbContext = applicationDbContext;
    this._webHostEnvironment = webHostEnvironment;
}

0 references
public IActionResult AddAdmin()
{
    return View();
}

[HttpPost]
[ValidateAntiForgeryToken]
[RequestFormLimits(MultipartBodyLengthLimit = 1048576000)]
[RequestSizeLimit(104857600)]
0 references
public async Task<IActionResult> AddAdmin(Admin admin)
{
    if (admin.Admin_image != null)
    {
        string filename = "";
        string updtfolder = Path.Combine(_webHostEnvironment.WebRootPath, "images/AdminImq");
    }
}
```

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```
72     return View();
73 }
74
0 references
75 public async Task<IActionResult> ViewAdmin(string search)
76 {
77     var clt = await _applicationDbContext.Admins.Where(z => z.AdminName.Contains(search) || search == null).ToListAsync();
78     return View(clt);
79 }
80
81
0 references
82 public async Task<IActionResult> DetailsAdmin(int id)
83 {
84     var adm = await _applicationDbContext.Admins.FirstOrDefaultAsync(x => x.AdminId == id);
85     return View(adm);
86 }
87
88 [HttpGet]
0 references
89 public async Task<IActionResult> EditAdmin(int id)
90 {
91     var adm = await _applicationDbContext.Admins.FirstOrDefaultAsync(x => x.AdminId == id);
92     return View(adm);
93 }
94
95 [HttpPost]
96 [RequestFormLimits(MultipartBodyLengthLimit = 1048576000)]
97 [RequestSizeLimit(104857600)]
```

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Output from: Debug

CLIENTS CONTROLLER

```
using Star_Security_Services.Models.Data;

namespace Star_Security_Services.Controllers
{
    1 reference
    public class ClientsController : Controller
    {
        private readonly Application_dbContext _DbContext;
        private readonly IWebHostEnvironment _webHostEnvironment;

        0 references
        public ClientsController(Application_dbContext dbContext, IWebHostEnvironment webHostEnvironment)
        {
            this._DbContext = dbContext;
            this._webHostEnvironment = webHostEnvironment;
        }

        [HttpGet]
        0 references
        public async Task<IActionResult> AddClient()
        {
            return View();
        }

        [HttpPost]
        [ValidateAntiForgeryToken]
        [RequestFormLimits(MultipartBodyLengthLimit = 1048576000)]
        [RequestSizeLimit(104857600)]
        0 references
        public async Task<IActionResult> AddClient(Clients clients)
        {

```

DEPARTMENTS CONTROLLER

```
    {
        var dept = await _DbContext.departments.FirstOrDefaultAsync(x => x.Dept_id == id);
        return View(dept);
    }

    [HttpPost]
    0 references
    public async Task<IActionResult> DeleteDept(Department department)
    {
        _DbContext.departments.Remove(department);
        _DbContext.SaveChangesAsync();
        TempData["del"] = "Deleted Successfully";
        return RedirectToAction("ViewDept", "Department");
    }

    [HttpGet]
    0 references
    public async Task<IActionResult> EditDept(int id)
    {
        var dept = await _DbContext.departments.FirstOrDefaultAsync(x => x.Dept_id == id);
        return View(dept);
    }

    [HttpPost]
    [ValidateAntiForgeryToken]
    0 references
    public async Task<IActionResult> EditDept(Department department)
    {
        _DbContext.departments.Update(department);
        _DbContext.SaveChangesAsync();
        TempData["edit"] = "Department Edited";
    }
}
```

EMPLOYEES CONTROLLER

```
public class EmployeesController : Controller
{
    private readonly ApplicationDbContext _applicationDbContext;
    private readonly IWebHostEnvironment _webHostEnvironment;

    public EmployeesController(ApplicationDbContext applicationDbContext, IWebHostEnvironment webHostEnvironment)
    {
        this._applicationDbContext = applicationDbContext;
        this._webHostEnvironment = webHostEnvironment;
    }

    [HttpGet]
    public async Task<IActionResult> AddEmployee()
    {
        ViewBag.department = await _applicationDbContext.departments.ToListAsync();
        ViewBag.role = await _applicationDbContext.empRoles.ToListAsync();
        return View();
    }

    [HttpPost]
    [RequestFormLimits(MultipartBodyLengthLimit = 1048576000)]
    [RequestSizeLimit(1048576000)]
    public async Task<IActionResult> AddEmployee(Employee employee)
    {
        string filename = "";
        if (employee.Emp_profile != null)
        {
            string filepath = Path.Combine(_webHostEnvironment.WebRootPath, "images");
            filename = Guid.NewGuid().ToString() + "." + employee.Emp_profile.FileName;
            string filepath_full = Path.Combine(filepath, filename);
            employee.Emp_profile.CopyTo(new FileStream(filepath_full, FileMode.Create));
        }

        if (employee.Emp_profile.Length <= 1048576000)
        {
            _applicationDbContext.employees.Add(employee);
            await _applicationDbContext.SaveChangesAsync();
        }

        return RedirectToAction(nameof(AddEmployee));
    }
}
```

```
public async Task<IActionResult> EditEmployee(int id)
{
    var selemployee = await _applicationDbContext.employees.Include(y => y.department).Include(y => y.roles).FirstOrDefaultAsync(x => x.Id == id);
    ViewBag.department = await _applicationDbContext.departments.ToListAsync();
    ViewBag.roles = await _applicationDbContext.empRoles.ToListAsync();
    return View(selemployee);
}

[HttpPost]
[RequestFormLimits(MultipartBodyLengthLimit = 1048576000)]
[RequestSizeLimit(1048576000)]
public async Task<IActionResult> EditEmployee(Employee employee, int id)
{
    var selemployee = await _applicationDbContext.employees.Include(y => y.department).Include(y => y.roles).FirstOrDefaultAsync(x => x.Id == id);
    if (employee.Emp_profile != null)
    {
        string filepath = Path.Combine(_webHostEnvironment.WebRootPath, "images");
        string filename = Guid.NewGuid().ToString() + "." + employee.Emp_profile.FileName;
        string filepath_full = Path.Combine(filepath, filename);
        string ext = Path.GetExtension(employee.Emp_profile.FileName);

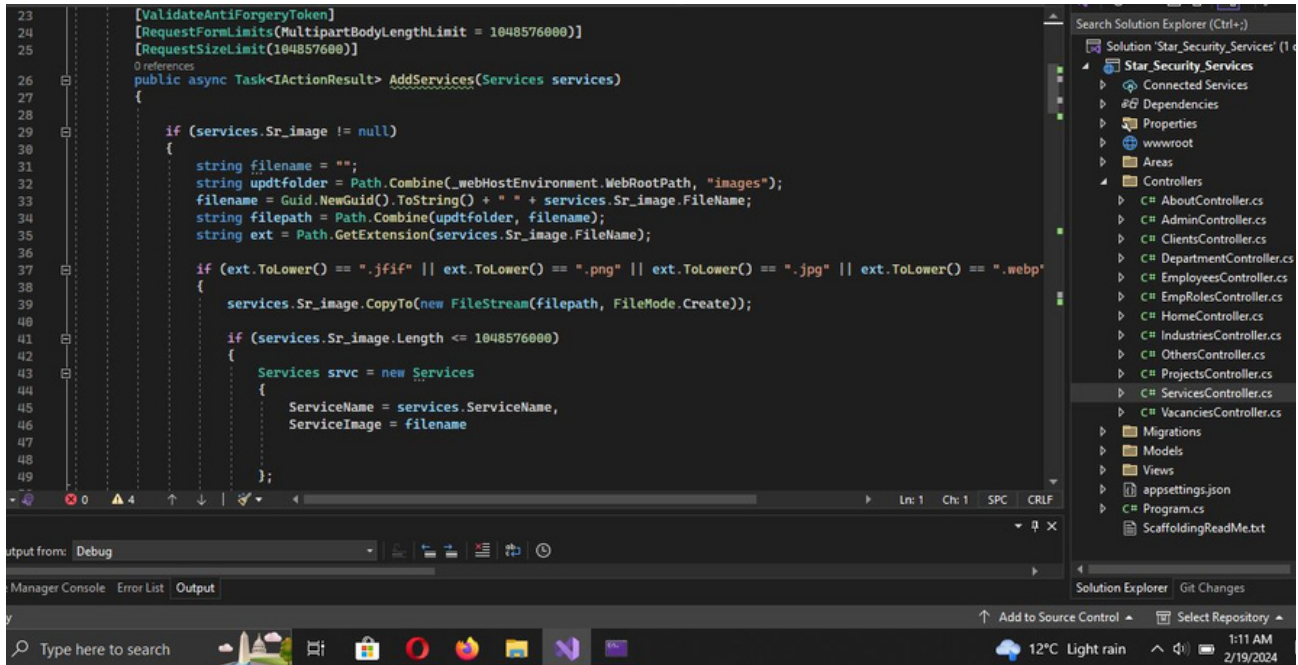
        if (ext.ToLower() == ".jpeg" || ext.ToLower() == ".png" || ext.ToLower() == ".jpg" || ext.ToLower() == ".webp")
        {
            employee.Emp_profile.CopyTo(new FileStream(filepath_full, FileMode.Create));
        }

        if (employee.Emp_profile.Length <= 1048576000)
        {
            _applicationDbContext.employees.Update(selemployee);
            await _applicationDbContext.SaveChangesAsync();
        }

        return RedirectToAction(nameof(EditEmployee), new { id = id });
    }

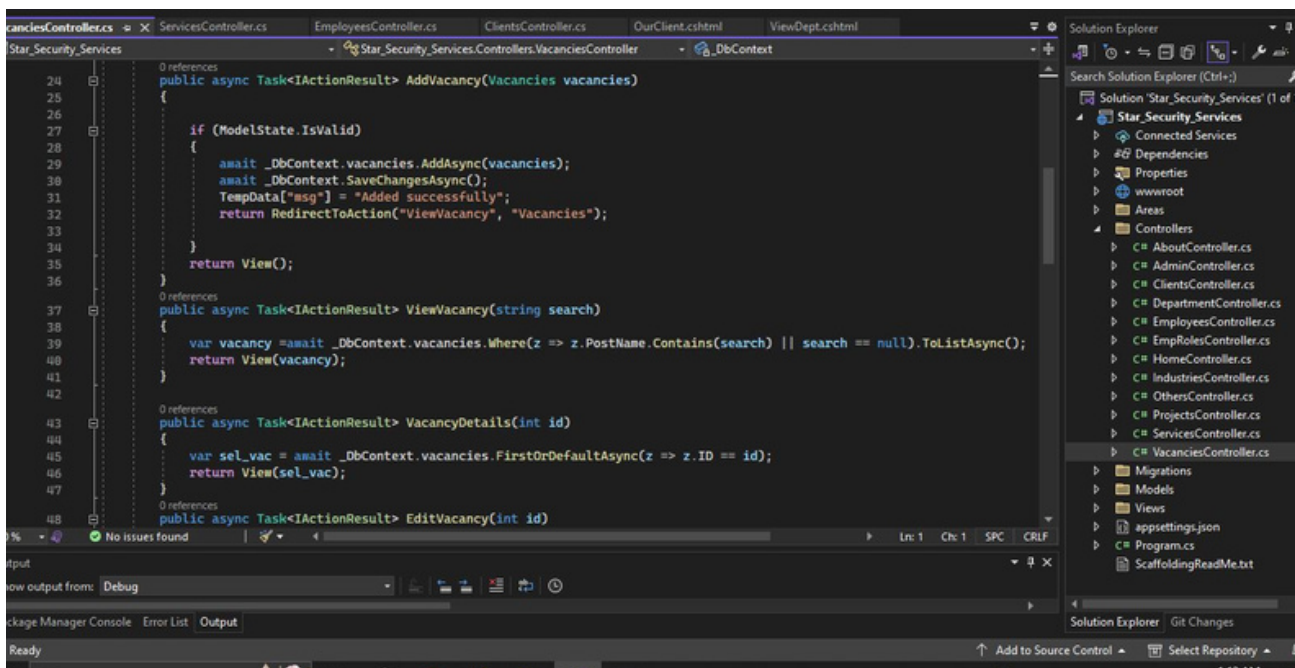
    return RedirectToAction(nameof(AddEmployee));
}
```


SERVICES CONTROLLER



```
23 [ValidateAntiForgeryToken]
24 [RequestFormLimits(MultipartBodyLengthLimit = 1048576000)]
25 [RequestSizeLimit(104857600)]
26 public async Task<IActionResult> AddServices(Services services)
27 {
28     if (services.Sr_image != null)
29     {
30         string filename = "";
31         string updtfolder = Path.Combine(_webHostEnvironment.WebRootPath, "images");
32         filename = Guid.NewGuid().ToString() + " " + services.Sr_image.FileName;
33         string filepath = Path.Combine(updtfolder, filename);
34         string ext = Path.GetExtension(services.Sr_image.FileName);
35
36         if (ext.ToLower() == ".jpeg" || ext.ToLower() == ".png" || ext.ToLower() == ".jpg" || ext.ToLower() == ".webp")
37         {
38             services.Sr_image.CopyTo(new FileStream(filepath, FileMode.Create));
39
40             if (services.Sr_image.Length <= 1048576000)
41             {
42                 Services srcv = new Services
43                 {
44                     ServiceName = services.ServiceName,
45                     ServiceImage = filename
46                 };
47             }
48         }
49     }
```

VACANCIES CONTROLLER



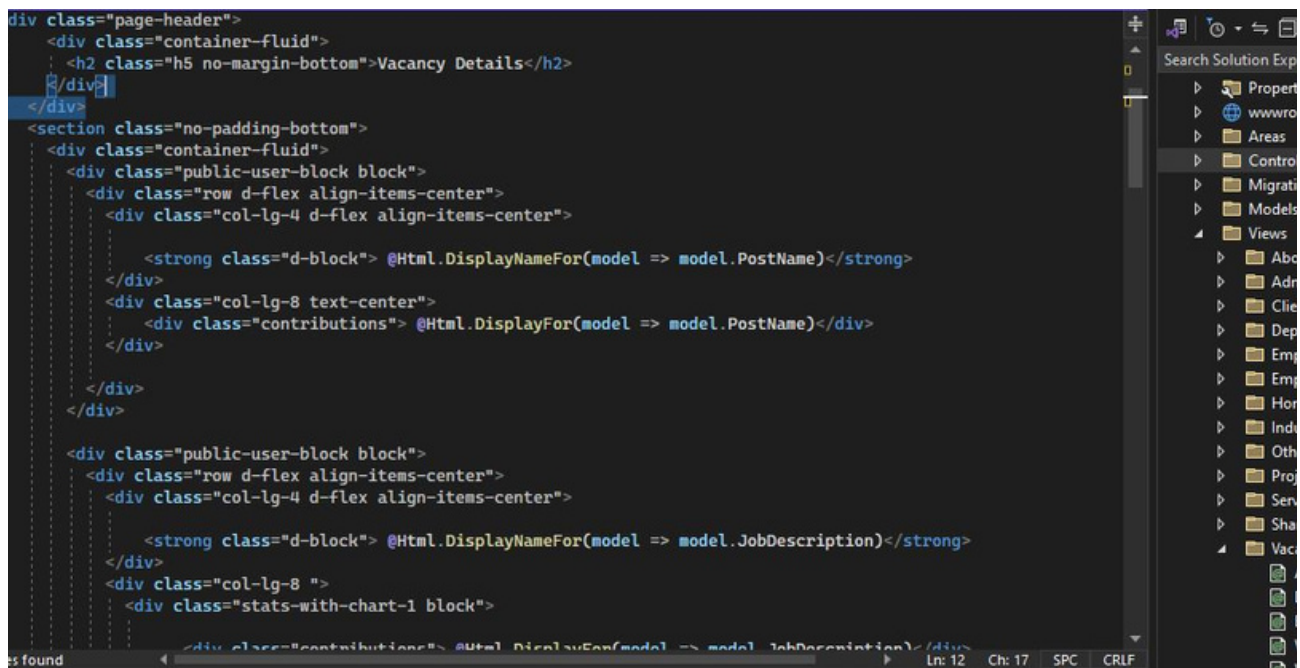
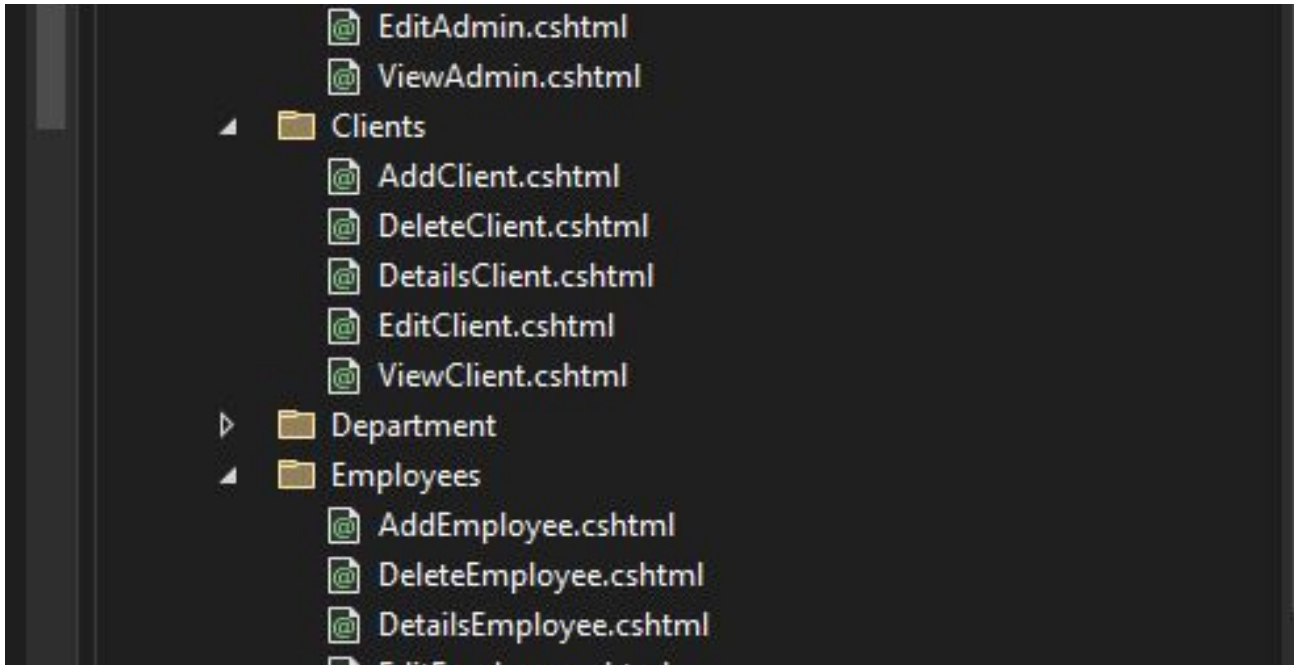
```
24 public async Task<IActionResult> AddVacancy(Vacancies vacancies)
25 {
26     if (ModelState.IsValid)
27     {
28         await _dbContext.vacancies.AddAsync(vacancies);
29         await _dbContext.SaveChangesAsync();
30         TempData["msg"] = "Added successfully";
31         return RedirectToAction("ViewVacancy", "Vacancies");
32     }
33     return View();
34 }
35
36 public async Task<IActionResult> ViewVacancy(string search)
37 {
38     var vacancy = await _dbContext.vacancies.Where(z => z.PostName.Contains(search) || search == null).ToListAsync();
39     return View(vacancy);
40 }
41
42 public async Task<IActionResult> VacancyDetails(int id)
43 {
44     var sel_vac = await _dbContext.vacancies.FirstOrDefaultAsync(z => z.ID == id);
45     return View(sel_vac);
46 }
47
48 public async Task<IActionResult> EditVacancy(int id)
```

MODELS

- C# Clients.cs
- C# Contact.cs
- C# Department.cs
- C# EmailSender.cs
- C# Employee.cs
- C# EmpRoles.cs
- C# Industries.cs
- C# Projects.cs
- C# SD.cs
- C# Services.cs
- C# Vacancies.cs

```
8      public Application_dbContext(DbContextOptions options) : base(options)
9      {
10     }
11
12     10 references
13     public DbSet<Projects> Projects { get; set; }
14     11 references
15     public DbSet<Clients> c_lients { get; set; }
16     4 references
17     public DbSet<Contact> c__contacts { get; set; }
18     10 references
19     public DbSet<Industries> i__industries { get; set; }
20     8 references
21     public DbSet<Vacancies> v__vacancies { get; set; }
22     17 references
23     public DbSet<Services> s__services { get; set; }
24     9 references
25     public DbSet<Department> d__departments { get; set; }
26     8 references
27     public DbSet<Employee> e__employees { get; set; }
28     9 references
29     public DbSet<EmpRoles> e__empRoles { get; set; }
30
31     9 references
32     public DbSet<Admin> Admins { get; set; }
33 }
34 }
```

VIEWS



VIEWS

```
4      Layout = "~/Views/Shared/_Layout.cshtml",
5      ViewData["Title"] = "AddServices";
6  }
7  <!-- Page Header -->
8  <div class="page-header no-margin-bottom">
9      <div class="container-fluid">
10         <h2 class="h5 no-margin-bottom">Add Service</h2>
11     </div>
12 </div>
13 <!-- Breadcrumb -->
14 <div class="container-fluid">
15     <ul class="breadcrumb">
16         <li class="breadcrumb-item"><a asp-action="Dashboard" asp-controller="Home">Home</a></li>
17         <li class="breadcrumb-item active"><a asp-action="ViewService">Back to List</a> </li>
18     </ul>
19 </div>
20 <section class="no-padding-top">
21     <div class="container-fluid">
22         <div class="row">
23             <!-- Horizontal Form -->
24             <div class="col-lg-12">...
25         </div>
26     </div>
27 </section>
28
29 @section Scripts {
30     @await Html.RenderPartialAsync("_ValidationScriptsPartial");
31 }
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49      @Html.DisplayNameFor(model => model.Name)
50    </th>
51    <th>
52      @Html.DisplayNameFor(model => model.Email)
53    </th>
54    <th>
55      @Html.DisplayNameFor(model => model.Subject)
56    </th>
57    <th>
58      @Html.DisplayNameFor(model => model.Message)
59    </th>
60    <th>Action</th>
61  </tr>
62</thead>
63<tbody>
64  @foreach (var item in Model)
65  {
66    <tr>
67      <td>
68        @Html.DisplayFor(modelItem => item.Name)
69      </td>
70      <td>
71        @Html.DisplayFor(modelItem => item.Email)
72      </td>
73      <td>
74        @Html.DisplayFor(modelItem => item.Subject)
75      </td>
76    </tr>
77  }
```

Output from: Debug

Page Manager Console Error List Output

Solution Explorer

- Areas
- Controllers
- Migrations
- Models
- Views
 - About
 - BOD.cshtml
 - History.cshtml
 - OurNetwork.cshtml
 - Admin
 - Clients
 - Department
 - Employees
 - EmpRoles
 - Home
 - Contact.cshtml
 - Dashboard.cshtml
 - DeleteMsg.cshtml
 - Index.cshtml
 - OurClient.cshtml
 - ViewContact.cshtml
 - Industries
 - Others
 - Hiring.cshtml
 - Vacancies.cshtml
 - Projects
 - Services
 - Shared

```
<div class="list-inline-item logout"> <a id="logout" href="login.html" class="nav-link">Logout </a> </div>
</div>
</nav>
</header>
<div class="d-flex align-items-stretch">
  <!-- Sidebar Navigation-->
  <nav id="sidebar">
    <!-- Sidebar Header-->
    <div class="sidebar-header d-flex align-items-center">
      <div class="avatar"></div>
      <div class="title">
        <h1 class="h5">Mark Stephen</h1>
        <p>Admin</p>
      </div>
    </div>
    <!-- Sidebar Navigation Menus-->
    <span class="heading">Main</span>
    <ul class="list-unstyled">
      <li class="active"><a asp-action="Dashboard" asp-controller="Home"> <i class="icon-home"></i>Home </a></li>
      <li>
        <a href="#exampleddropdownDropdown" aria-expanded="false" data-toggle="collapse"> <i class="icon-grid"></i>
          <ul id="exampleddropdownDropdown" class="collapse list-unstyled">
            <li><a asp-action="ViewService" asp-controller="Services">View Services</a></li>
            <li><a asp-action="ViewEmployees" asp-controller="Employees">View Employees</a></li>
            <li><a asp-action="ViewVacancy" asp-controller="Vacancies">View Vacancies</a></li>
            <li><a asp-action="ViewClient" asp-controller="Clients">View Clients</a></li>
          </ul>
        </li>
      </li>
    </ul>
  </nav>
</div>
```

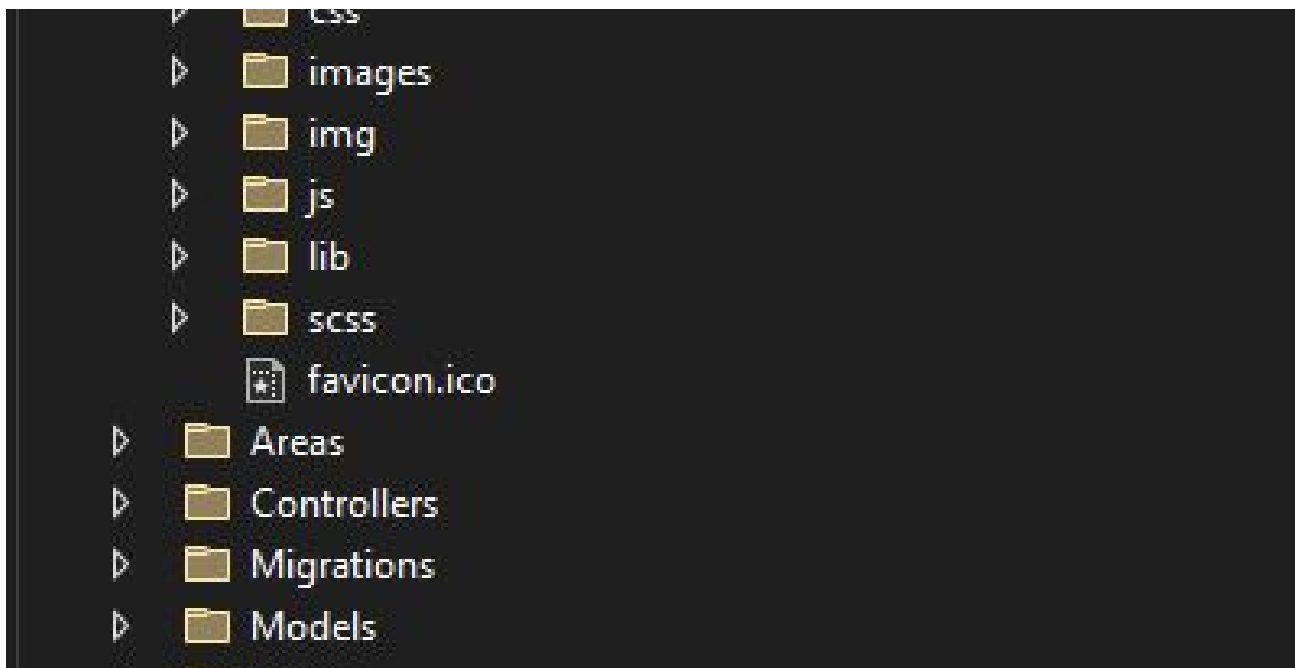
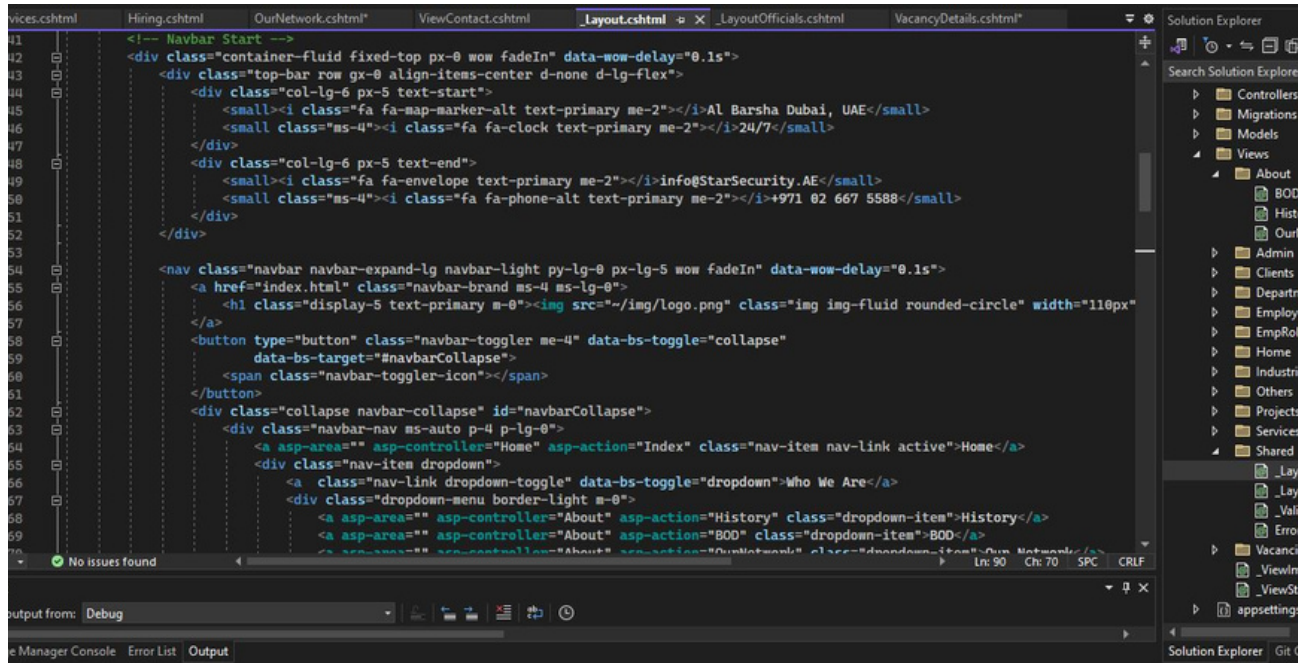
Output from: Debug

Page Manager Console Error List Output

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 - Vacancies.cshtml
 - Projects
 - Services
 - Shared
 - _Layout.cshtml
 - _LayoutOfficial
 - _ValidationScriptsPartial
 - Error.cshtml
 - Vacancies
 - _ViewImports.cshtml
 - _ViewStart.cshtml

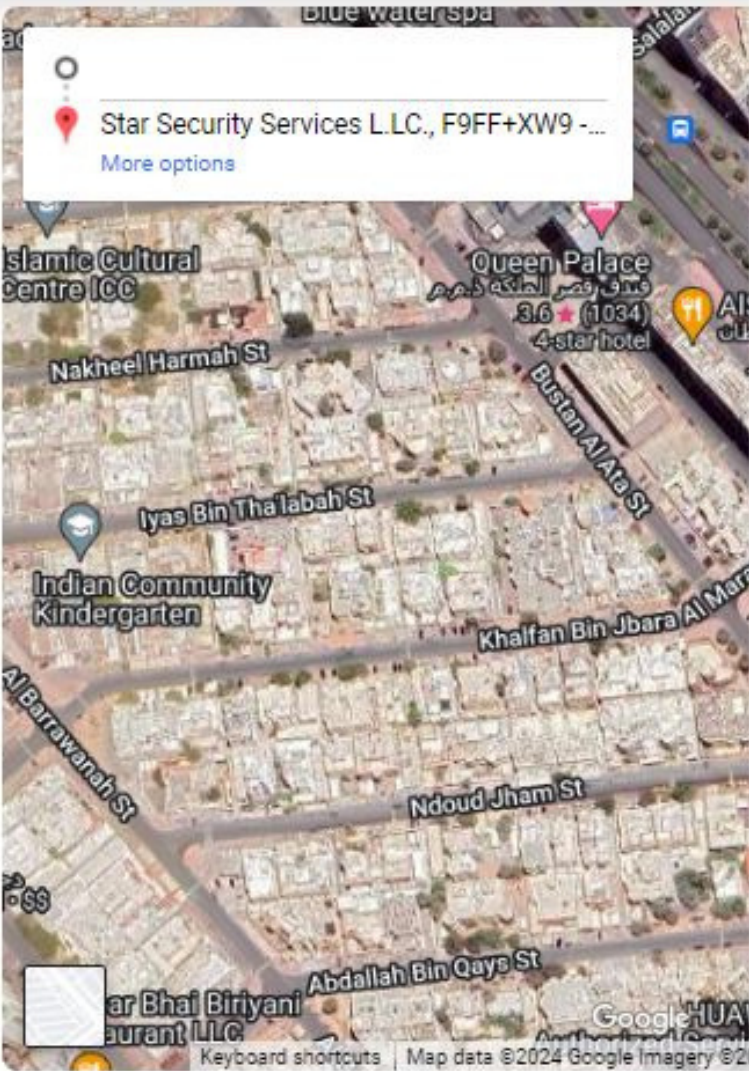
VIEWS



SITEMAP

any Query,
ct Us

Your Email



Location of Admin Panel:
<https://localhost:7154/Home/Dashboard>

The End