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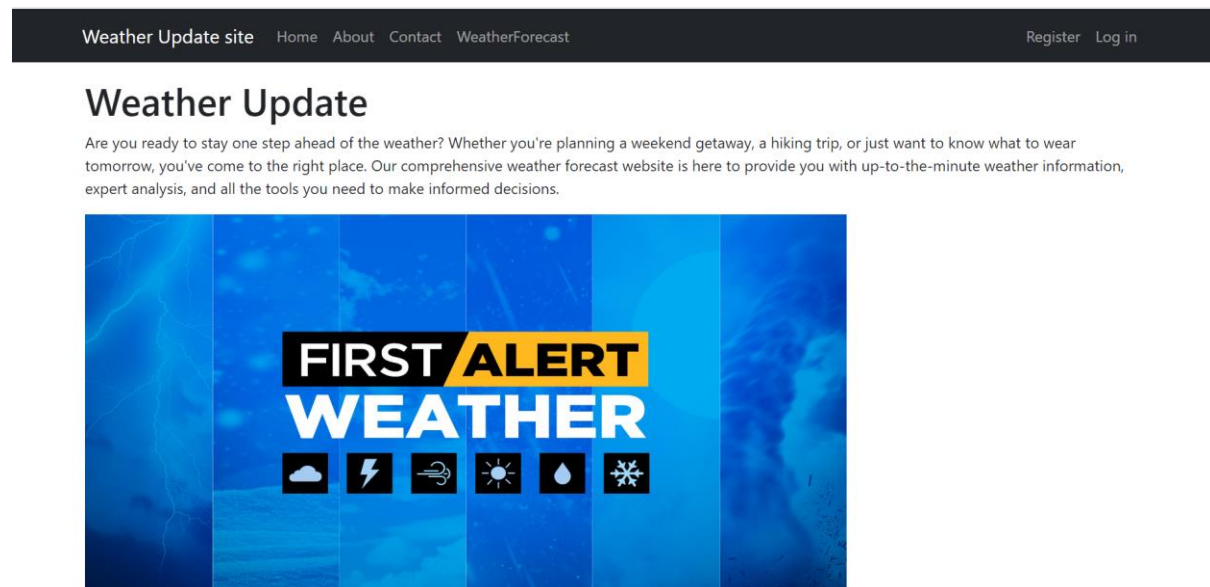
**Group Activity**

**SLD FA 4**

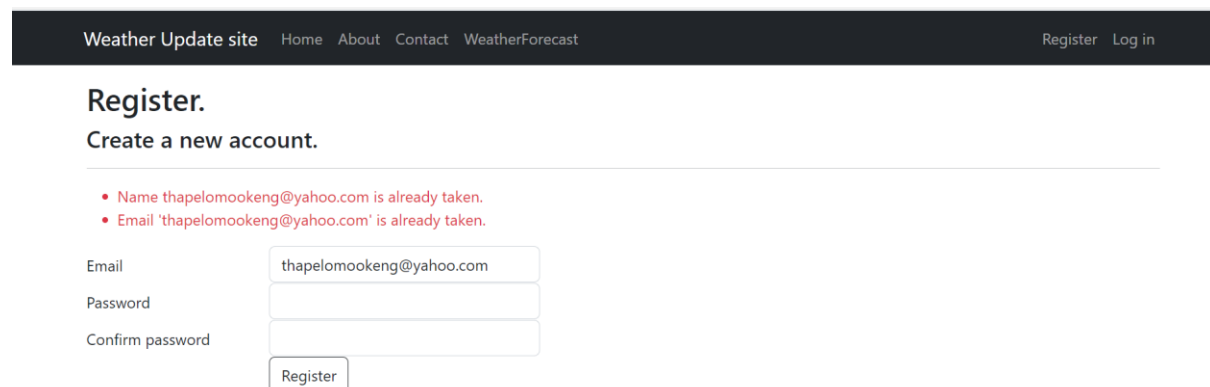
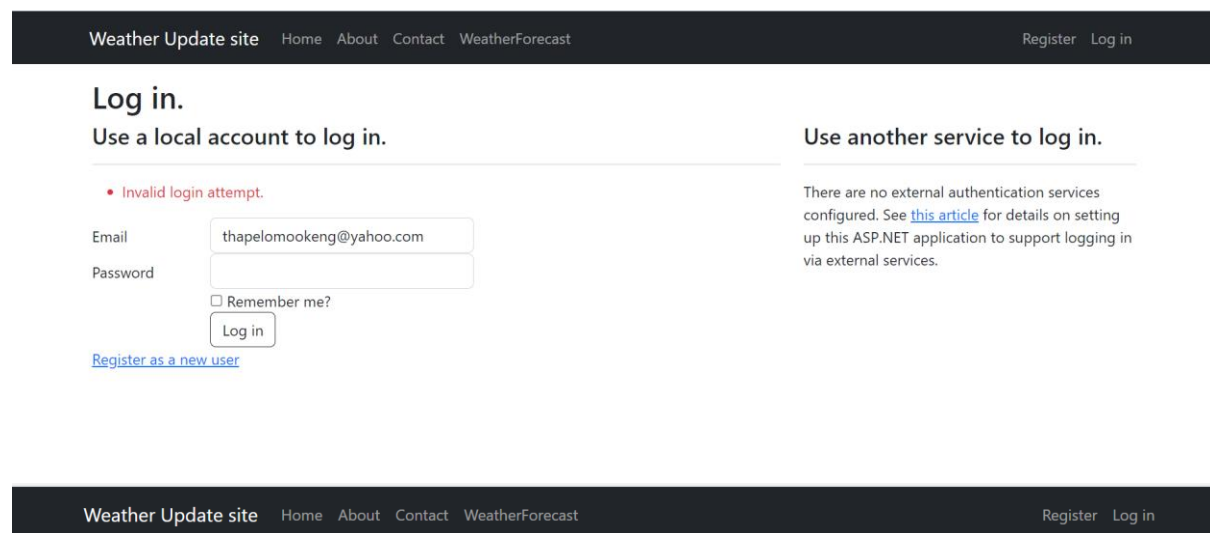
**Solutions Development Semester 1**

**IT Software Development**

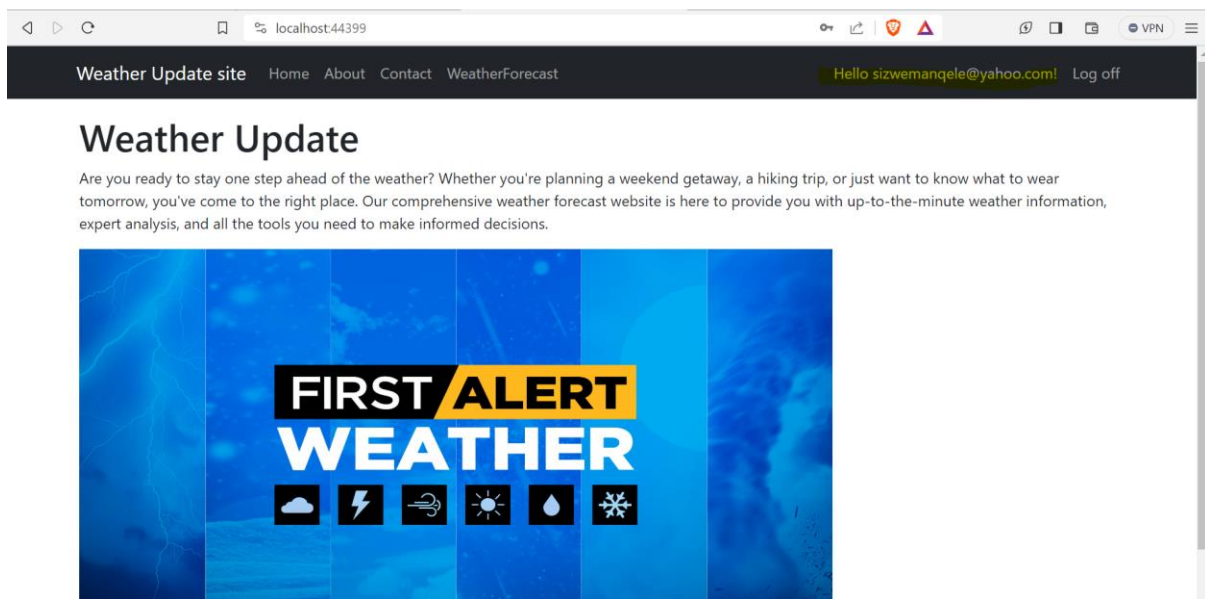
## OUTPUT



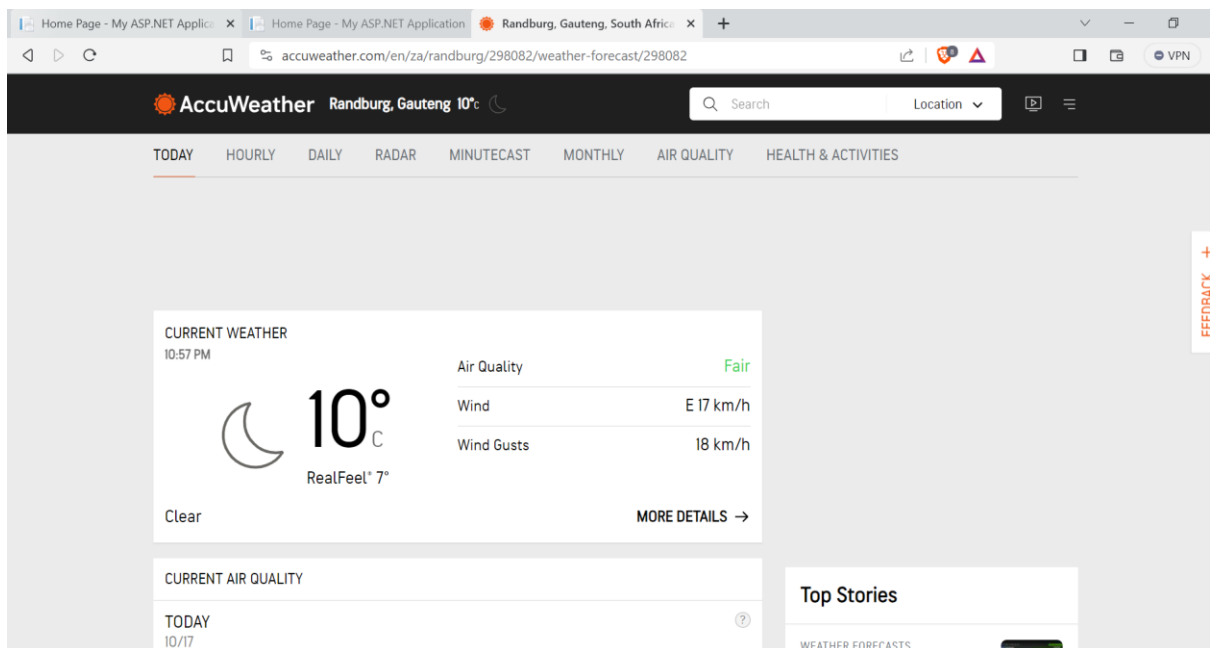
## Error Handling



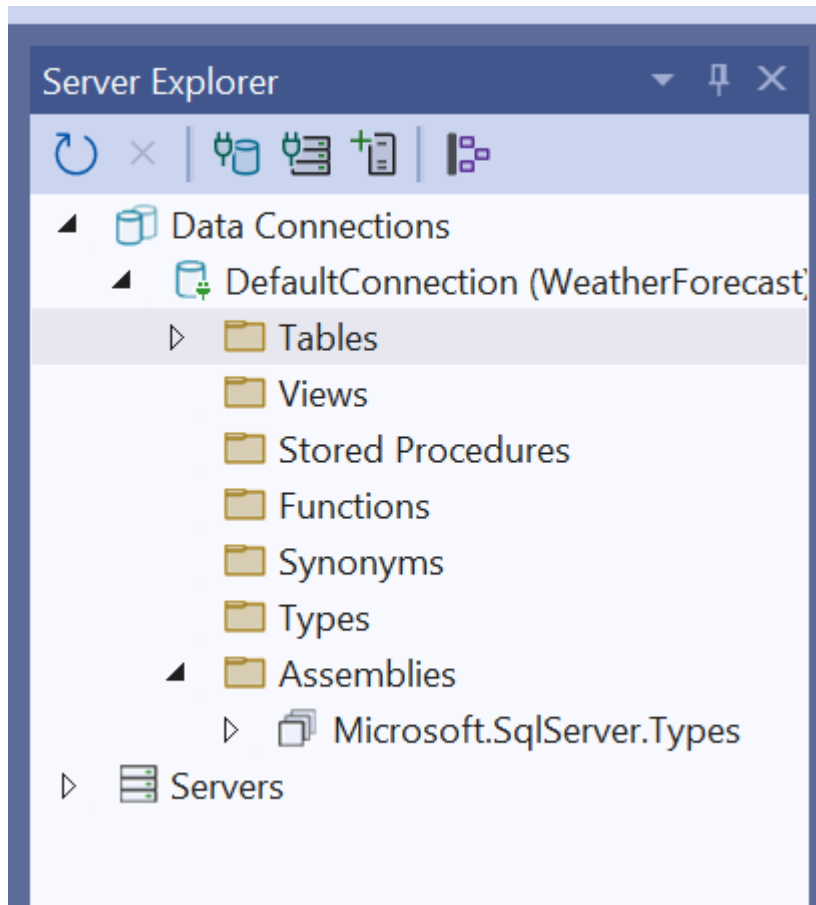
## Created account and Logged in Successful



Redirect to link: <https://www.accuweather.com/en/za/johannesburg/305448/weather-forecast/305448>



## Database



# Coding

## Change Password

```
1  @model WeatherForecast.Models.ChangePasswordViewModel
2  @{
3      ViewBag.Title = "Change Password";
4  }
5
6  <main aria-labelledby="title">
7      <h2 id="title">@ViewBag.Title.</h2>
8
9      @using (Html.BeginForm("ChangePassword", "Manage", FormMethod.Post, new { role = "form" }))
10     {
11         @Html.AntiForgeryToken()
12         <h4>Change Password Form</h4>
13         <hr />
14         @Html.ValidationSummary("", new { @class = "text-danger" })
15         <div class="row">
16             @Html.LabelFor(m => m.OldPassword, new { @class = "col-md-2 col-form-label" })
17             <div class="col-md-10">
18                 @Html.PasswordFor(m => m.OldPassword, new { @class = "form-control" })
19             </div>
20         </div>
21         <div class="row">
22             @Html.LabelFor(m => m.NewPassword, new { @class = "col-md-2 col-form-label" })
23             <div class="col-md-10">
24                 @Html.PasswordFor(m => m.NewPassword, new { @class = "form-control" })
25             </div>
26         </div>
27         <div class="row">
28             @Html.LabelFor(m => m.ConfirmPassword, new { @class = "col-md-2 col-form-label" })
29             <div class="col-md-10">
30                 @Html.PasswordFor(m => m.ConfirmPassword, new { @class = "form-control" })
31             </div>
32         </div>
33         <div class="row">
34             <div class="offset-md-2 col-md-10">
35                 <input type="submit" value="Change password" class="btn btn-outline-dark" />
36             </div>
37         </div>
38     }
39 </main>
40
41 @section Scripts {
42     @Scripts.Render("~/bundles/jqueryval")
43 }
```

68 %    No issues found    Ln: 1    Ch: 1    SPC    CRI

## Manage logins

```
1  @model WeatherForecast.Models.ManageLoginsViewModel
2  @using Microsoft.Owin.Security
3  @{
4      ViewBag.Title = "Manage your external logins";
5  }
6
7  <main aria-labelledby="title">
8      <h2 id="title">@ViewBag.Title.</h2>
9
10     <p class="text-success">@ViewBag.StatusMessage</p>
11     @{
12         var loginProviders = Context.GetOwinContext().Authentication.GetExternalAuthenticationTypes();
13         if (loginProviders.Count() == 0) {
14             <div>
15                 <p>
16                     There are no external authentication services configured. See <a href="https://go.microsoft.com/fwlink/?LinkId=31"
17                     for details on setting up this ASP.NET application to support logging in via external services.
18                 </p>
19             </div>
20         }
21         else
22         {
23             if (Model.CurrentLogins.Count > 0)
24             {
25                 <h4>Registered Logins</h4>
26                 <table class="table">
27                     <tbody>
28                         @foreach (var account in Model.CurrentLogins)
29                         {
30                             <tr>
31                                 <td>@account.LoginProvider</td>
32                                 <td>
33                                     @if (ViewBag.ShowRemoveButton)
34                                     {
35                                         using (Html.BeginForm("RemoveLogin", "Manage"))
36                                         {
37                                             @Html.AntiForgeryToken()
38                                             <div>
39                                                 @Html.Hidden("loginProvider", account.LoginProvider)
40                                                 @Html.Hidden("providerKey", account.ProviderKey)
41                                                 <input type="submit" class="btn btn-outline-dark" value="Remove" title="Remove this @:
42                                             </div>
43                                         }
44                                     }
45                                 }
46                             </td>
47                         }
48                     </tr>
49                 </tbody>
50             </table>
51             if (Model.OtherLogins.Count > 0)
52             {
53                 using (Html.BeginForm("LinkLogin", "Manage"))
54                 {
55                     @Html.AntiForgeryToken()
56                     <div id="socialLoginList">
57                         <p>
58                             @foreach (AuthenticationDescription p in Model.OtherLogins)
59                             {
60                                 <button type="submit" class="btn btn-default" id="@p.AuthenticationType" name="provider" value="@p.Authen!
61                             </p>
62                         </div>
63                     }
64                 }
65             }
66         }
67     }
68 }
69
70 </main>
```

## SetPassword

```
WeatherForecast.cshtml | Layout.cshtml | HomeController.cs | SetPassword.cshtml
1 @model WeatherForecast.Models.SetPasswordViewModel
2 @
3 ViewBag.Title = "Create Password";
4 }
5
6 <main aria-labelledby="title">
7 <h2 id="title">@ViewBag.Title.</h2>
8 <p class="text-info">
9     You do not have a local username/password for this site. Add a local
10    account so you can log in without an external login.
11 </p>
12
13 @using (Html.BeginForm("SetPassword", "Manage", FormMethod.Post, new { role = "form" }))
14 {
15     @Html.AntiForgeryToken()
16
17     <h4>Create Local Login</h4>
18     <hr />
19     @Html.ValidationSummary("", new { @class = "text-danger" })
20     <div class="row">
21         @Html.LabelFor(m => m.NewPassword, new { @class = "col-md-2 col-form-label" })
22         <div class="col-md-10">
23             @Html.PasswordFor(m => m.NewPassword, new { @class = "form-control" })
24         </div>
25     </div>
26     <div class="row">
27         @Html.LabelFor(m => m.ConfirmPassword, new { @class = "col-md-2 col-form-label" })
28         <div class="col-md-10">
29             @Html.PasswordFor(m => m.ConfirmPassword, new { @class = "form-control" })
30         </div>
31     </div>
32     <div class="row">
33         <div class="offset-md-2 col-md-10">
34             <input type="submit" value="Set password" class="btn btn-outline-dark" />
35         </div>
36     </div>
37 }
38 </main>
39
40 @section Scripts {
41     @Scripts.Render("~/bundles/jqueryval")
42 }
```

## Register.

Create a new account.

|                  |   |
|------------------|---|
| Email            | <input type="text"/>                    |
| Password         | <input type="password"/>                |
| Confirm password | <input type="password"/>                |
|                  | <input type="button" value="Register"/> |

## Log In Form

```
WeatherForecast.cshtml | _Layout.cshtml | HomeController.cs | _LoginPartial.cshtml
1  using Microsoft.AspNetCore.Identity
2  {
3      if (Request.IsAuthenticated)
4      {
5          using (Html.BeginForm("LogOff", "Account", FormMethod.Post, new { id = "logoutForm", @class = "navbar-right" }))
6          {
7              @Html.AntiForgeryToken()
8
9              <ul class="navbar-nav navbar-right">
10                 <li>
11                     @Html.ActionLink("Hello " + User.Identity.GetUserName() + "!", "Index", "Manage", routeValues: null, htmlAttributes: new
12                 </li>
13                 <li><a class="nav-link" href="javascript:document.getElementById('logoutForm').submit()">Log off</a></li>
14             </ul>
15         }
16     }
17 }
18 else
19 {
20     <ul class="navbar-nav navbar-right">
21         <li>@Html.ActionLink("Register", "Register", "Account", routeValues: null, htmlAttributes: new { id = "registerLink", @class="
22         <li>@Html.ActionLink("Log in", "Login", "Account", routeValues: null, htmlAttributes: new { id = "loginLink", @class="nav-link"
23     </ul>
24 }
```

Weather Update site   Home   About   Contact   WeatherForecast   Register   Log in

### Log in.

Use a local account to log in.

Email

Password

☐ Remember me?

Log in

[Register as a new user](#)

Use another service to log in.

There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.

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## Redirect Link for Weather Update

```
WeatherForecast.cshtml | _Layout.cshtml | HomeController.cs | Contact()

1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.Mvc;
6
7 namespace WeatherForecast.Controllers
8 {
9     0 references
10     public class HomeController : Controller
11     {
12         0 references
13         public ActionResult Index()
14         {
15             return View();
16         }
17
18         0 references
19         public ActionResult About()
20         {
21             ViewBag.Message = "Your application description page.";
22             return View();
23         }
24
25         0 references
26         public ActionResult Contact()
27         {
28             ViewBag.Message = "Your contact page.";
29             return View();
30         }
31
32         0 references
33         public ActionResult WeatherForecast()
34         {
35             ViewBag.Message = "Your WeatherForecast page.";
36             return Redirect("https://www.accuweather.com/en/za/johannesburg/305448/weather-forecast/305448");
37         }
38     }
39 }
```

## Nav Bar

```
WeatherForecast.cshtml | Layout.cshtml | HomeController.cs

1 <!DOCTYPE html>
2 <html>
3 <head>
4     <meta charset="utf-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>@ViewBag.Title - My ASP.NET Application</title>
7     @Styles.Render("~/Content/css")
8     @Scripts.Render("~/bundles/modernizr")
9
10 </head>
11 <body>
12     <nav class="navbar navbar-expand-sm navbar-toggleable-sm navbar-dark bg-dark">
13         <div class="container">
14             @Html.ActionLink("Weather Update site", "Index", "Home", new { area = "" }, new { @class = "navbar-brand" })
15             <button type="button" class="navbar-toggler" data-bs-toggle="collapse" data-bs-target=".navbar-collapse" title="Toggle navigation"
16                 aria-expanded="false" aria-label="Toggle navigation">
17                 <span class="navbar-toggler-icon"></span>
18             </button>
19             <div class="collapse navbar-collapse d-sm-inline-flex justify-content-between">
20                 <ul class="navbar-nav flex-grow-1">
21                     <li>@Html.ActionLink("Home", "Index", "Home", new { area = "" }, new { @class = "nav-link" })</li>
22                     <li>@Html.ActionLink("About", "About", "Home", new { area = "" }, new { @class = "nav-link" })</li>
23                     <li>@Html.ActionLink("Contact", "Contact", "Home", new { area = "" }, new { @class = "nav-link" })</li>
24                     <li>@Html.ActionLink("Weather forecast", "WeatherForecast", "Home", new { area = "" }, new { @class = "nav-link" })</li>
25                 </ul>
26                 @Html.Partial("_LoginPartial")
27             </div>
28         </div>
29     </nav>
30     <div class="container body-content">
31         @RenderBody()
32         <hr />
33         <footer>
34             <p>©Copy; @DateTime.Now.Year - My ASP.NET Application</p>
35         </footer>
36     </div>
37
38     @Scripts.Render("~/bundles/jquery")
39     @Scripts.Render("~/bundles/bootstrap")
40     @RenderSection("scripts", required: false)
41 </body>
42 </html>
```

## Weather Forecast VIEW

