

## TASK - 11

### ‘using’ keyword:

#### Importing Namespaces:

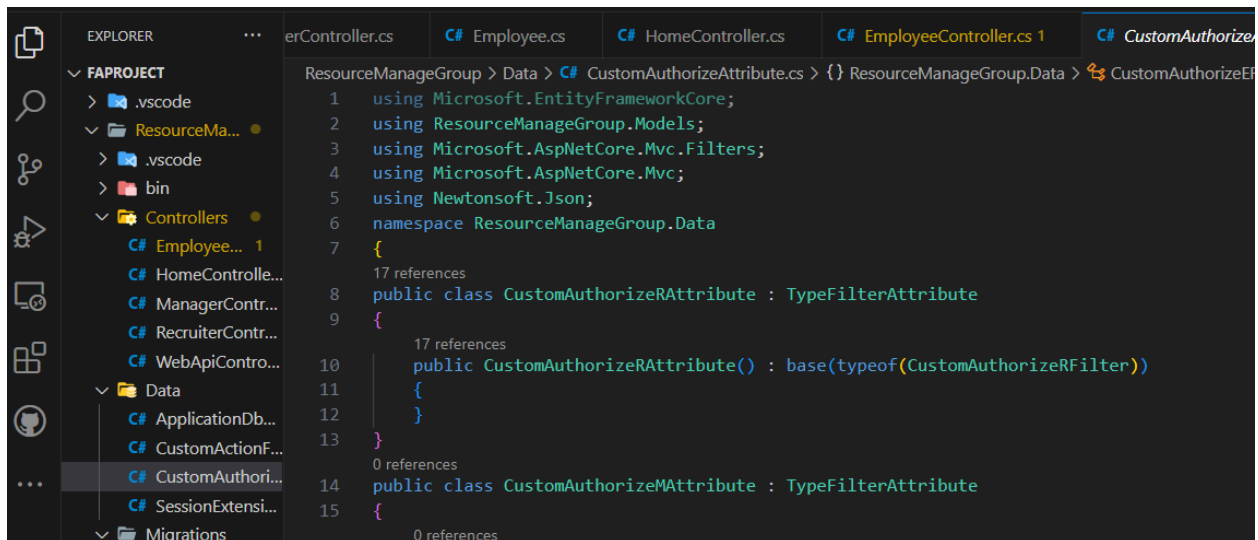
The using keyword is commonly used at the top of a file to import namespaces.

#### Alias Declaration:

The using keyword can also be used to create an alias for a namespace or a type.

#### Resource Management:

The using keyword is used for managing resources,



The screenshot shows the Visual Studio IDE with the Explorer pane on the left and the Code pane on the right. The Explorer pane shows a project structure with folders like .vscode, bin, Controllers, Data, and Migrations. The Code pane shows the content of the file CustomAuthorizeAttribute.cs, which is part of the namespace ResourceManagementGroup.Data. The code includes using statements for Microsoft.EntityFrameworkCore, ResourceManagementGroup.Models, Microsoft.AspNetCore.Mvc.Filters, Microsoft.AspNetCore.Mvc, and Newtonsoft.Json. It also defines two classes: CustomAuthorizeRAttribute and CustomAuthorizeMAttribute, both inheriting from TypeFilterAttribute. The CustomAuthorizeRAttribute class has a constructor that calls base(typeof(CustomAuthorizeRFilter)).

```
1 using Microsoft.EntityFrameworkCore;
2 using ResourceManagementGroup.Models;
3 using Microsoft.AspNetCore.Mvc.Filters;
4 using Microsoft.AspNetCore.Mvc;
5 using Newtonsoft.Json;
6 namespace ResourceManagementGroup.Data
7 {
8     17 references
9     public class CustomAuthorizeRAttribute : TypeFilterAttribute
10     {
11         17 references
12         public CustomAuthorizeRAttribute() : base(typeof(CustomAuthorizeRFilter))
13         {
14     }
15     0 references
16     public class CustomAuthorizeMAttribute : TypeFilterAttribute
17     {
18         0 references
```

```
File Edit Selection View Go Run Terminal ... EmployeeController.cs - FAProject - Visual Studio Code

EXPLORER
  FAPROJECT
    .vscode
    ResourceMa...
    .vscode
    bin
    Controllers
      Employee... 1
      HomeControlle...
      ManagerContr...
      RecruiterContr...
      WebApiContro...
    Data
      ApplicationDb...
      CustomActionF...
      CustomAuthori...
      SessionExtensi...
    Migrations

ResourceManageGroup > Controllers > EmployeeController.cs > ...
1 using System.Diagnostics;
2 using Microsoft.AspNetCore.Mvc;
3 using ResourceManageGroup.Models;
4 using ResourceManageGroup.Data;
5 using Microsoft.EntityFrameworkCore;
6 using System.Data;
7 using System.Net;
8 using System.Net.Mail;
9 using System.ComponentModel.DataAnnotations;
10 namespace ResourceManageGroup.Controllers;
11 public class EmployeeController : Controller
12 {
13     27 references
14     private readonly ApplicationDbContext _dbContext;
15     0 references
16     public EmployeeController(ApplicationDbContext dbContext, IWebHostEnvironment hostEnvironment)
17     {
18         _dbContext = dbContext;
19     }
20 }
```

```
EXPLORER
  FAPROJECT
    .vscode
    ResourceMa...
    .vscode
    bin
    Controllers
      Employee... 1
      HomeControlle...
      ManagerContr...
      RecruiterContr...
      WebApiContro...
    Data
      ApplicationDb...
      CustomActionF...
      CustomAuthori...
      SessionExtensi...
    Migrations
      202305171557...
      202305171557...
      ApplicationDb...
    Models

ResourceManageGroup > Controllers > EmployeeController.cs > {} ResourceManageGroup.Controllers > EmployeeController > Edit
294 {
295     employees.EmployeeName = employee.EmployeeName;
296     employees.EmployeeNumber = employee.EmployeeNumber;
297     employees.EmployeeEmail = employee.EmployeeEmail;
298
299     if (image1 != null && image1.Length > 0)
300     {
301         using (var memoryStream = new MemoryStream())
302         {
303             await image1.CopyToAsync(memoryStream);
304             employees.EmployeeImage = memoryStream.ToArray();
305         }
306     }
307     await _dbContext.SaveChangesAsync();
308     var url = Url.Action("EmployeeViewE", "Employee", new { id = employee.EmployeeId });
309     if (url != null)
310     {
311         return Redirect(url);
312     }
313 }
314 }
315 else
316 {
317     ModelState.AddModelError(string.Empty, "Employee not found");
318 }
319 }
```