```csharp
 1  using System;
 2  using System.Collections.Generic;
 3  using System.Linq;
 4  using System.Threading.Tasks;
 5  using Microsoft.AspNetCore.Authentication.Cookies;
 6  using Microsoft.AspNetCore.Builder;
 7  using Microsoft.AspNetCore.Hosting;
 8  using Microsoft.AspNetCore.Http;
 9  using Microsoft.AspNetCore.Mvc;
10  using Microsoft.Extensions.Configuration;
11  using Microsoft.Extensions.DependencyInjection;
12
13  namespace Authentication
14  {
15      public class Startup
16      {
17          public Startup(IConfiguration configuration)
18          {
19              Configuration = configuration;
20          }
21
22          public IConfiguration Configuration { get; }
23
24          // This method gets called by the runtime. Use this method to add
                services to the container.
25          public void ConfigureServices(IServiceCollection services)
26          {
27              services.Configure<CookiePolicyOptions>(options =>
28              {
29                  // This lambda determines whether user consent for non-
                        essential cookies is needed for a given request.
30                  options.CheckConsentNeeded = context => true;
31                  options.MinimumSameSitePolicy = SameSiteMode.None;
32              });
33
34
35              services.AddMvc().SetCompatibilityVersion
                    (CompatibilityVersion.Version_2_1);
36
37              services.AddAuthentication
                    (CookieAuthenticationDefaults.AuthenticationScheme).AddCookie
                    (options =>
38              {
39                  options.AccessDeniedPath = "/Home/ErrorForbidden";
40                  options.LoginPath = "/Home/ErrorNotLoggedIn";
41              });
42              services.AddAuthorization(options =>
43              {
44                  options.AddPolicy("MustBeAdmin", p =>
                        p.RequireAuthenticatedUser().RequireRole("admin"));
45
46              });
47          }
```

```
48
49         // This method gets called by the runtime. Use this method to        ⇄
              configure the HTTP request pipeline.
50         public void Configure(IApplicationBuilder app, IHostingEnvironment    ⇄
           env)
51         {
52             if (env.IsDevelopment())
53             {
54                 app.UseDeveloperExceptionPage();
55             }
56             else
57             {
58                 app.UseExceptionHandler("/Home/Error");
59             }
60
61             app.UseStaticFiles();
62             app.UseCookiePolicy();
63             app.UseAuthentication();
64
65             app.UseMvc(routes =>
66             {
67                 routes.MapRoute(
68                     name: "default",
69                     template: "{controller=Home}/{action=Index}/{id?}");
70             });
71         }
72     }
73 }
74
```