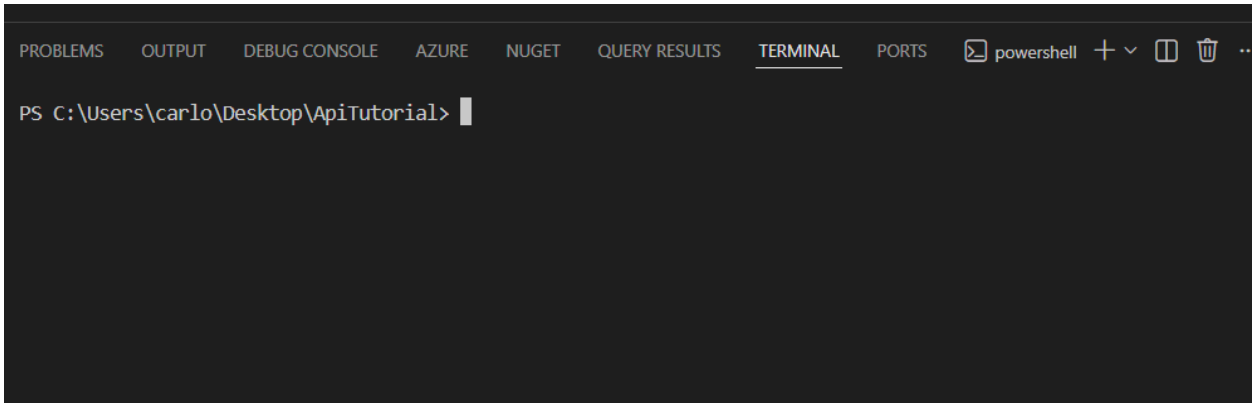
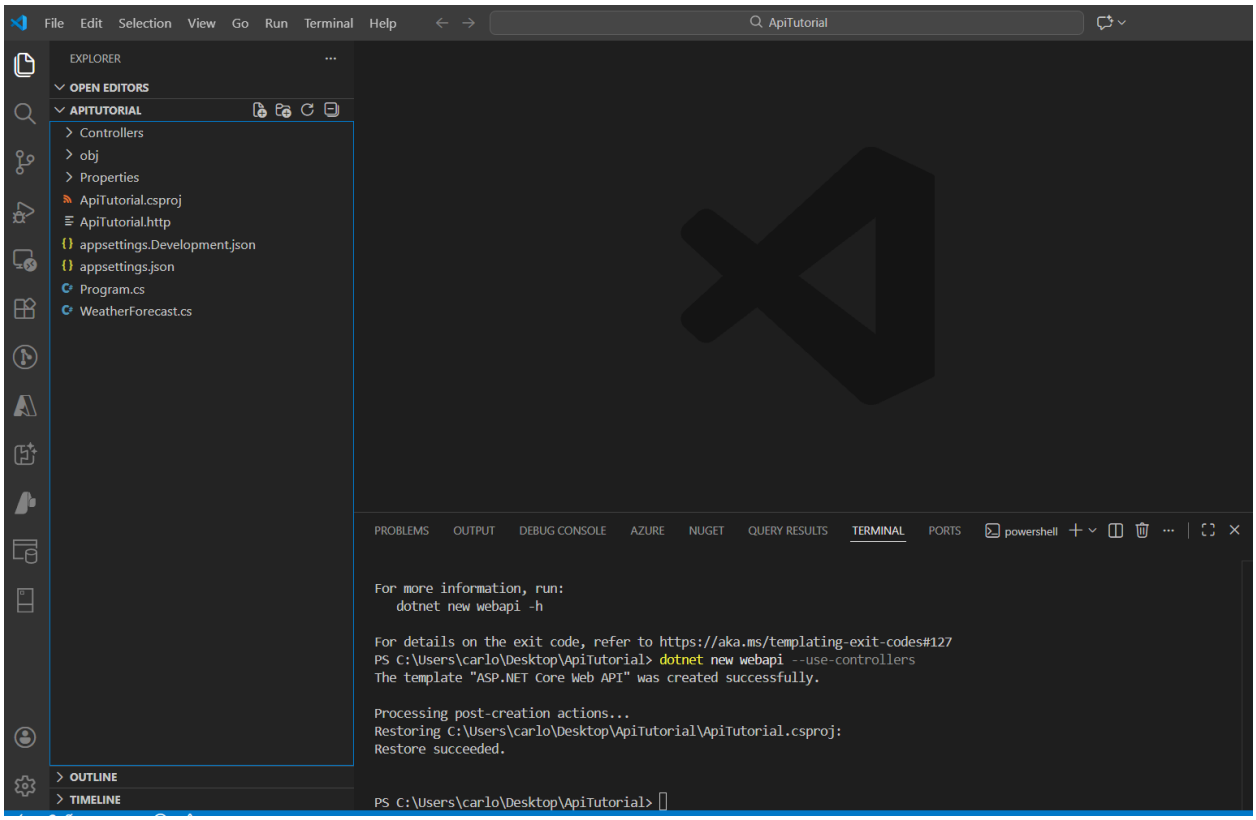
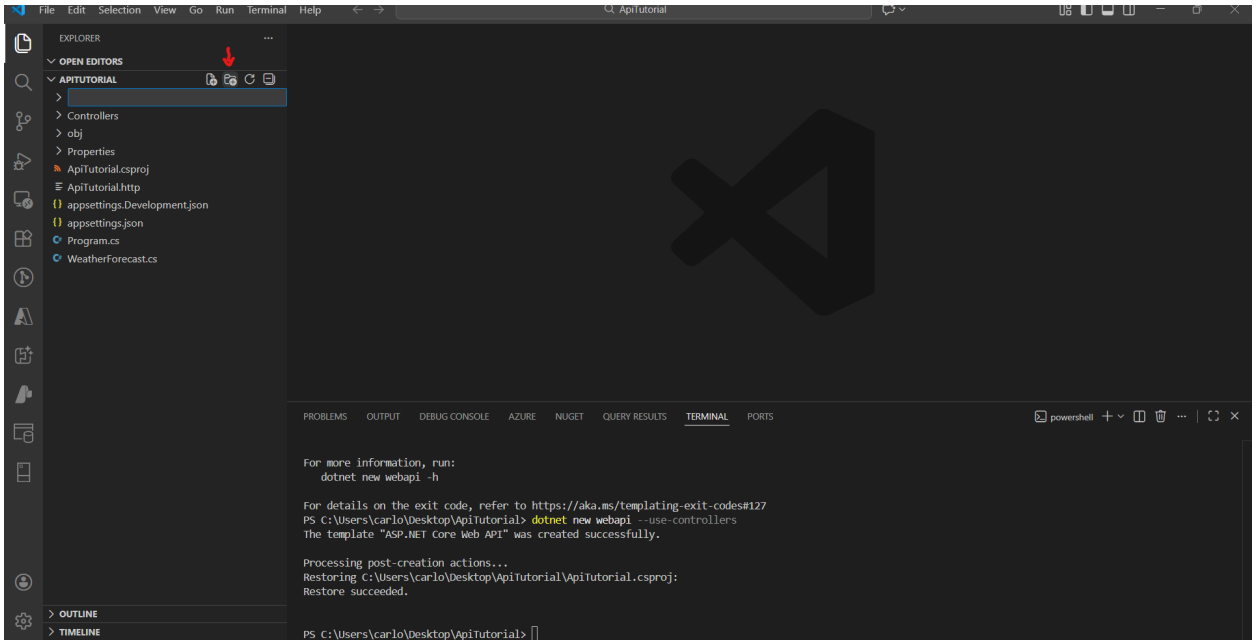
1. Create a new folder and open it with Visual Studios Code
2. Step two open the terminal with control + J or cmnd + J if on mac
3. From there make sure youre in the terminal



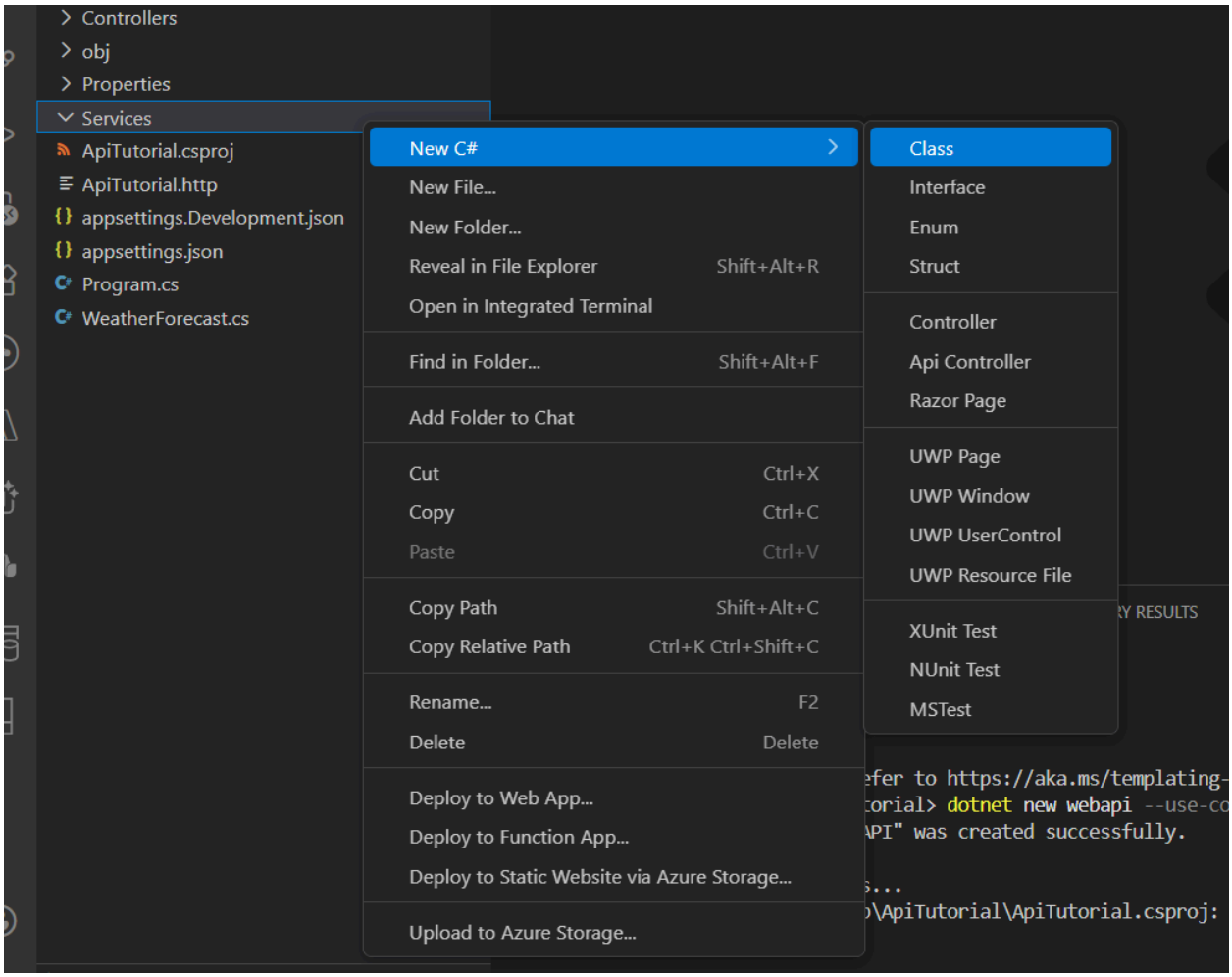
4. From there enter “dotnet new webapi --use-controllers” your screen should look like below



5. Click the blank space below WeatherForecast then click on the new folder icon make a new folder and name it “Services”



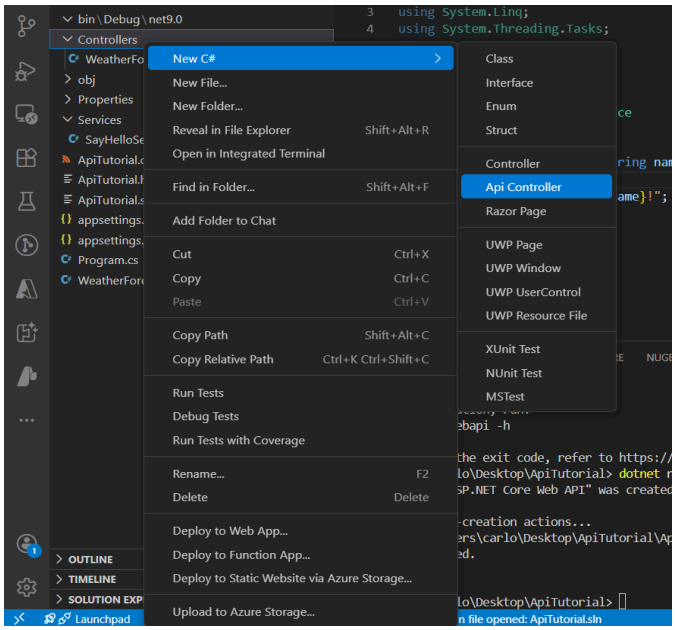
6. From there right click the Services Folder and make a new Class Name it “SayHelloService”



7. Once in the service file our logic should look like this

```
public string Hello(string name)
{
    return $"Hello, {name}!";
}
```

8. After our logic we're going to go to our controllers folder and right clicking the folder then hovering new C# and making an "Api Controller" then name it "SayHelloController"



9. In here we'll make a readonly for our variable and set the value

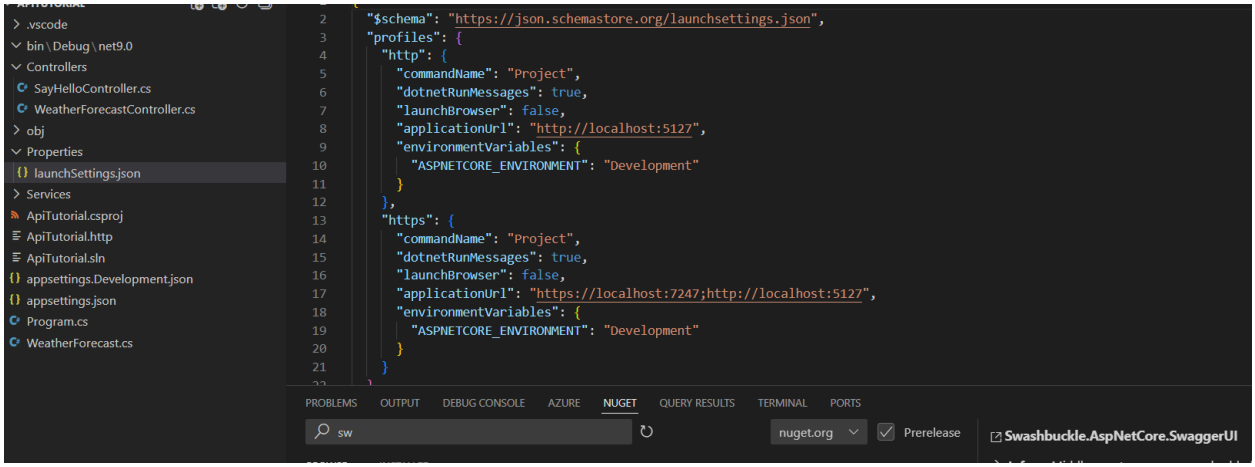
```
10.         private readonly SayHelloService _sayHelloService;
11. public SayHelloController(SayHelloService sayHelloService)
12.         {
13.             _sayHelloService = sayHelloService;
14.         }
```

15. Then our get and calling our function

```
[HttpGet("{name}")]
        public ActionResult<string> Get(string name)
        {
            return _sayHelloService.Hello(name);
        }
```

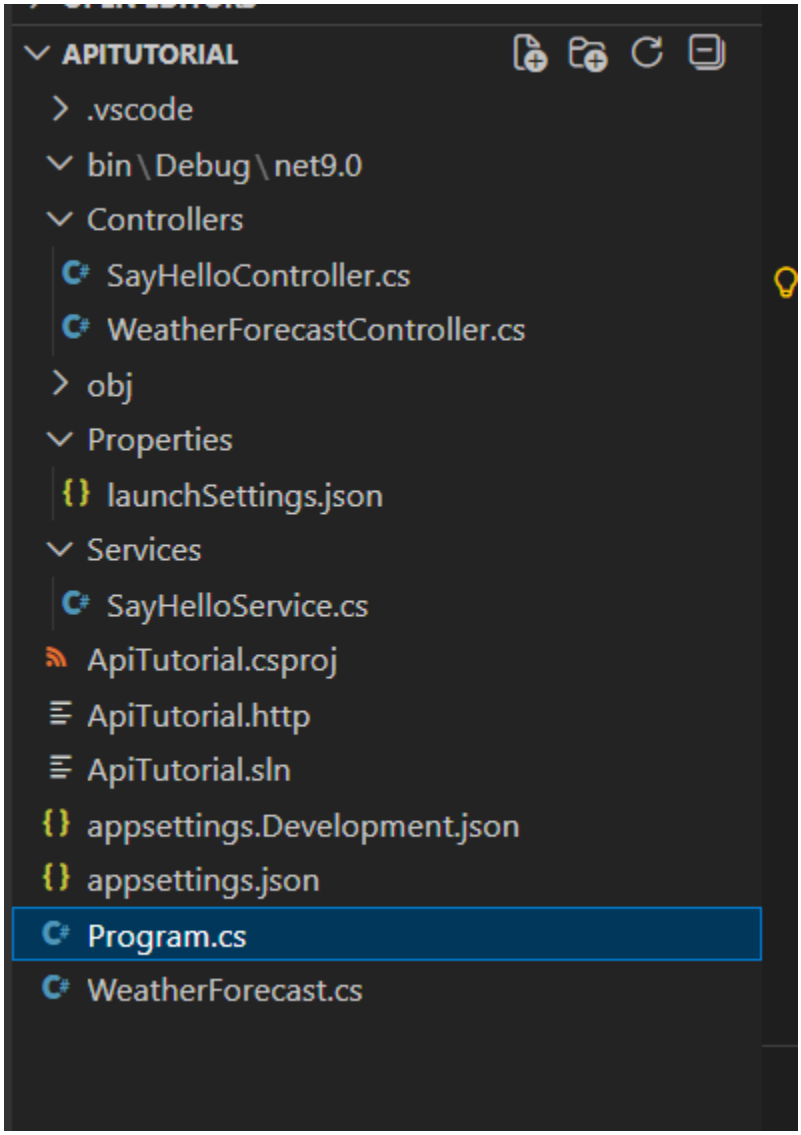
16. Our logic and routing is now done in order to see on swagger we need to install a few thing open the terminal and paste this in
    dotnet add package Swashbuckle.AspNetCore.SwaggerGen --version 9.0.0
    dotnet add package Swashbuckle.AspNetCore.Swagger --version 9.0.0
    dotnet add package Swashbuckle.AspNetCore.SwaggerUI --version 9.0.0
    dotnet add package Swashbuckle.AspNetCore --version 9.0.0

17. For there we'll go to launch settings located in our properties



18. Under aplicationUrl we're going to add ""launchUrl":"swagger" for instances

19. From there we are going to add a couple things to our program.cs



20. In here youre going to add your service

```
builder.Services.AddScoped<ApiTutorial.Services.SayHelloService>();
```

21. And your app.UseSwagger(); and app.UseSwaggerUI(); make sure theyre in the same spot as mine

```
1   var builder = WebApplication.CreateBuilder(args);
2
3   // Add services to the container.
4
5   builder.Services.AddControllers();
6   builder.Services.AddScoped<ApiTutorial.Services.SayHelloService>();
7   // Learn more about configuring OpenAPI at https://aka.ms/aspnet/openapi
8   builder.Services.AddOpenApi();
9
10  builder.Services.AddEndpointsApiExplorer();
11  builder.Services.AddSwaggerGen();
12
13  var app = builder.Build();
14
15  // Configure the HTTP request pipeline.
16  if (app.Environment.IsDevelopment())
17  {
18      app.UseSwagger();
19      app.UseSwaggerUI();
20  }
21
22  app.UseHttpsRedirection();
23
24  app.UseAuthorization();
25
26  app.MapControllers();
27
28  app.Run();
29
```

22. From there youre going to open the terminal and click the trash icon

23. Then run the terminal again with ctrl j or cmnd j then type in dotnet watch run