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# CHAPTER 1: READING DATA FROM appsettings.json USING STRONGLY TYPED CONFIGURATION

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## DETAILS

### Defining object and its properties in appsettings.json

"MyAppSettings": {

"email": "fostersnt@gmail.com",

"password": "mypassword"

}

### Creating the C# class to mimic the properties in appsettings.json file that you want to read/access

public class AppSettings //*You can give any name to the class*

{

public string email { get; set; } //*mimics “email” in appsetings.json*

public string password { get; set; } //*mimics “password” in appsetings.json*

}

### Adding appsettings.json in program.cs

//Adding apsettings.json file

builder.Configuration.AddJsonFile("appsettings.json");

### Configuring/Registering the class above in program.cs

// Configure the strongly typed options

builder.Services.Configure<AppSettings>(builder.Configuration.GetSection("MyAppSettings"));

### Using dependency injection to access the appsettings.json properties

Create a constructor out of your controller. In this code below, the of my controller class is **HomeController**

private readonly AppSettings \_appSettings;

public HomeController(IOptions<AppSettings> appSettings)

{

\_appSettings = appSettings.Value;

}