Server-Side Validation with FluentValidation (ASP.NET Core)

# 1. Install the Validation Package

Run this in the server folder:

dotnet add package FluentValidation.AspNetCore

# 2. Create a Folder for Validators

Create a folder named `Validators` in your server project.

# 3. Create a Login Validator

Inside `Validators/LoginModelValidator.cs` write:

using FluentValidation;  
using server.Models;  
  
namespace server.Validators  
{  
 public class LoginModelValidator : AbstractValidator<LoginModel>  
 {  
 public LoginModelValidator()  
 {  
 RuleFor(x => x.Username)  
 .NotEmpty().WithMessage("Username is required")  
 .MinimumLength(3).WithMessage("Username must be at least 3 characters long");  
  
 RuleFor(x => x.Password)  
 .NotEmpty().WithMessage("Password is required")  
 .MinimumLength(4).WithMessage("Password must be at least 4 characters long");  
 }  
 }  
}

# 4. Register Validators in Program.cs

Add before `var app = builder.Build();`:

builder.Services.AddFluentValidationAutoValidation();  
builder.Services.AddValidatorsFromAssemblyContaining<LoginModelValidator>();

# 5. Example Validation Error Response

If a request is invalid, you will get a response like:

{  
 "errors": {  
 "Username": ["Username is required", "Username must be at least 3 characters long"],  
 "Password": ["Password must be at least 4 characters long"]  
 }  
}

# 6. Notes

- The [ApiController] attribute automatically triggers validation.

- You do not need to manually check ModelState.