



C# Web – MVC

PRO/PRW - C# Web 1

**DE HOGESCHOOL
MET HET NETWERK**

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Doel

- ASP.Net Core toepassing
 - MVC Web Application
 - Models
 - Views
 - Controllers
 - Model Validation
 - *(Custom Model Validation)*

ASP.NET CORE

MVC Web Application

MVCModelValidation



Web Application (Model-View-Controller)

A project template for creating an ASP.NET Core application with example ASP.NET Core MVC Views and Controllers. This template can also be used for RESTful HTTP services.

MVCModelValidation

- Add model
 - TestValidation
 - TestValidationId (primary key - int)
 - FirstName (string)
 - DateOfBirth (DateTime)

MVCModelValidation

- MVCModelValidation/Models

```
public class TestValidation
{
    public int? TestValidationId { get; set; }
    public string? FirstName { get; set; }
    public DateTime? DateOfBirth { get; set; }
}
```

MVCModelValidation

```
public class HomeController : Controller
{
    public IActionResult Index()
    {
        return View();
    }
    [HttpGet]
    public IActionResult TestValidation()
    {
        TestValidation tv=new TestValidation();
        return View(tv);
    }
}
```

Views/Home -> Add Empty Razor View -> TestValidation.cshtml
Views/Home/TestValidation.cshtml

```
@model TestValidation
<form asp-action="TestValidation">
  <div asp-validation-summary="All" class="text-danger"></div>
  <div class="form-group">
    <label asp-for="TestValidationId" class="control-label"></label>
    <input asp-for="TestValidationId" class="form-control" />
    <span asp-validation-for="TestValidationId" class="text-
danger"></span>
  </div>
  <div class="form-group">
    <label asp-for="FirstName" class="control-label"></label>
    <input asp-for="FirstName" class="form-control" />
    <span asp-validation-for="FirstName" class="text-danger"></span>
  </div>
  <div class="form-group">
    <label asp-for="DateOfBirth" class="control-label"></label>
    <input asp-for="DateOfBirth" class="form-control" />
    <span asp-validation-for="DateOfBirth" class="text-danger"></span>
  </div>
  <div class="form-group">
    <input type="submit" value="Create" class="btn btn-primary" />
  </div>
</form>
```


MVCModelValidation

```
public class HomeController : Controller
{
    [HttpGet]
    public IActionResult TestValidation()
    {
        TestValidation tv=new TestValidation();
        return View(tv);
    }

    [HttpPost]
    public IActionResult TestValidation(TestValidation tv)
    {
        if(ModelState.IsValid)
        {
            return View("Index");
        }
        return RedirectToAction("TestValidation");
        return View(tv);
    }
}
```

MVCModelValidation

- Voeg een hyperlink toe in de Views/Shared/_layout naar de nieuwe actie “Home – TestValidation”
- Maak de model properties “Required” en test de model validatie