

### 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
    - TagHelper
      - SportStore
    - ViewComponent
      - SportStore
    - New Models
      - Migration
        - » Table Reference keys
          - Overview



### **ASP.NET CORE**

# **MVC Web Application MVCSportStore**

- TagHelper
- ViewComponent
- Models
  - Table Reference keys

#### **Models - Reseller**

```
namespace MVCSportStore.Models
{
    public class Reseller
    {
        public int ResellerId { get; set; }
        public string ResellerName { get; set; }
        public string ContentManagementGuid { get; set; }
    }
}
```

## Data - StoreDbContext Resellers



#### Controllers - ResellerController

```
Scaffold Controller
• ResellerController
```

```
using Microsoft.AspNetCore.Mvc;
namespace MVCSportStore.Controllers
    public class ResellerController : Controller
        public IActionResult Index()
            return View();
```



#### **Controllers - ResellerController**

Dependency Injection - StoreDbContext\_context.Resellers

```
public class ResellerController : Controller
    StoreDbContext _context;
    public ResellerController(StoreDbContext context)
        _context = context;
    public IActionResult Index()
        return View(_context.Resellers);
```

### Views/Shared - \_layout

```
<span class="navbar-brand ml-2">
  <a class="btn border border-secondary m-1 text-white"
                asp-controller="Home" asp-action="Index">
        SportStore - Start page</a>
 <a class="btn border border-secondary m-1 text-white"
                asp-controller="Settings" asp-action="PagingSettingsView">
        SportStore - Page settings</a>
  <a class="btn border border-secondary m-1 text-white"
            asp-controller="Reseller" asp-action="Index">
        SportStore - Resellers</a>
</span>
```

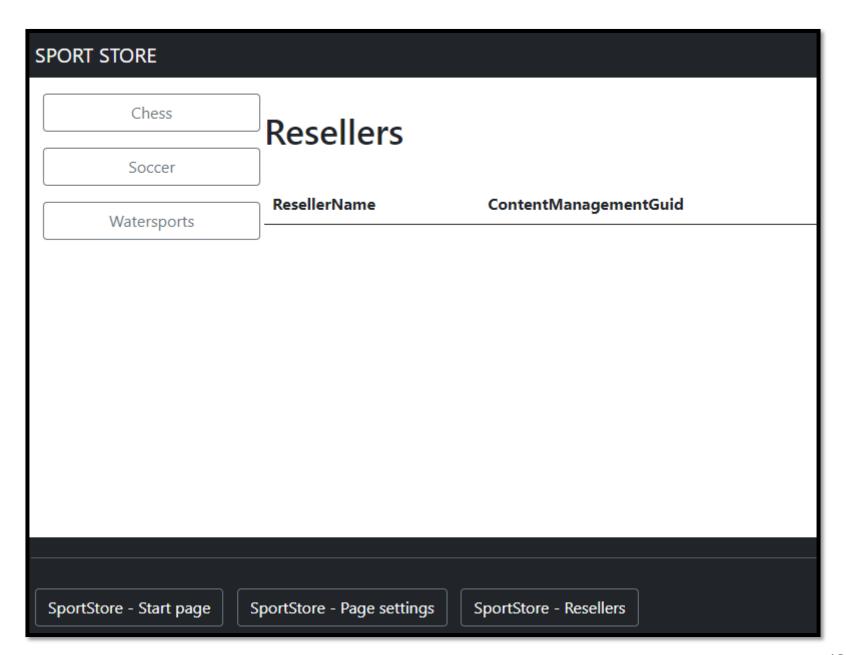
```
SportStore - Start page SportStore - Page settings SportStore - Resellers
```



### **Nuget Package Manager - Console**

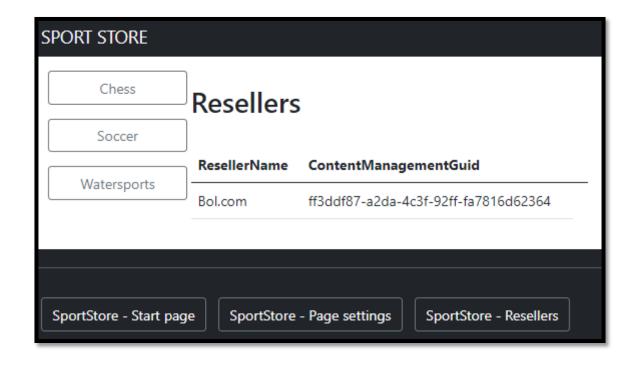
- Migration
  - Reseller (add-migration reseller)
    - Update-database







### Resellers





### **Oefening**

- Voeg een model ResellerStock toe!
  - Properties
    - ResellerStockId
    - ResellerId
    - ProductId (!long)
    - Amount
- Voeg de table reference keys toe!
- Maak een migratie aan!
- Update de database!



#### **Models - ResellerStock**

```
public class ResellerStock
{
    public int ResellerStockId { get; set; }
    public int ResellerId { get; set; }
    public long ProductId { get; set; }
    public int Amount { get; set; }

    public Reseller? Reseller { get; set; }
    public Product? Product { get; set; }
}
```



#### **Models - Reseller**

```
public class Reseller
{
    public int ResellerId { get; set; }
    public string ResellerName { get; set; }
    public string ContentManagementGuid { get; set; }

public ICollection<ResellerStock>? ResellerStocks { get; set; }
}
```



#### **Models - Product**



### Data/DefaultData - SeedData

```
public static void EnsurePopulated(WebApplication app)
    using (var scope = app.Services.CreateScope())
        var context =
scope.ServiceProvider.GetRequiredService<StoreDbContext>();
        if (!context.Products.Any())
        MatchResellerData(context);
public static void MatchResellerData(StoreDbContext context)
```



## Data – StoreDbContext ResellerStocks

```
public class StoreDbContext : DbContext
{
    public StoreDbContext(... options) : base(options)
    { }
    public DbSet<Product> Products { get; set; }
    public DbSet<Reseller> Resellers { get; set; }
    public DbSet<ResellerStock> ResellerStock { get; set; }
}
```



### **Nuget Package Manager - Console**

- Migration
  - ResellerStock



### Data/DefaultData - SeedData

```
public static void EnsurePopulated(WebApplication app)
    using (var scope = app.Services.CreateScope())
        var context =
scope.ServiceProvider.GetRequiredService<StoreDbContext>();
        if (!context.Products.Any())
        MatchResellerData(context);
        MatchResellerStockData(context);
public static void MatchResellerStockData(StoreDbContext context)
```

### **Oefening**

- Voeg een formulier toe voor zowel een reseller als een resellerStock record toe te voegen!
  - Properties (ViewModel)
    - ResellerName
    - ContentManagementGuid
    - ProductId (!long)
    - Amount
- Maak de records in beide tabellen aan!



### **ASP.NET CORE**

**MVC Web Application Oefening 14** 

ViewComponent