# ASP.NET CORE WEBAPI (.NET 5) COURSE

HIENLTH Channel

# Course Outline

**Lesson 1.**
Introduction to WEB API

**Lesson 2.**
Working with Relation Database Entity Framework Core

**Lesson 3.**
Controller Action Return Types & HTTP Response Status Code

**Lesson 4.**
Sorting, Filtering, Paging

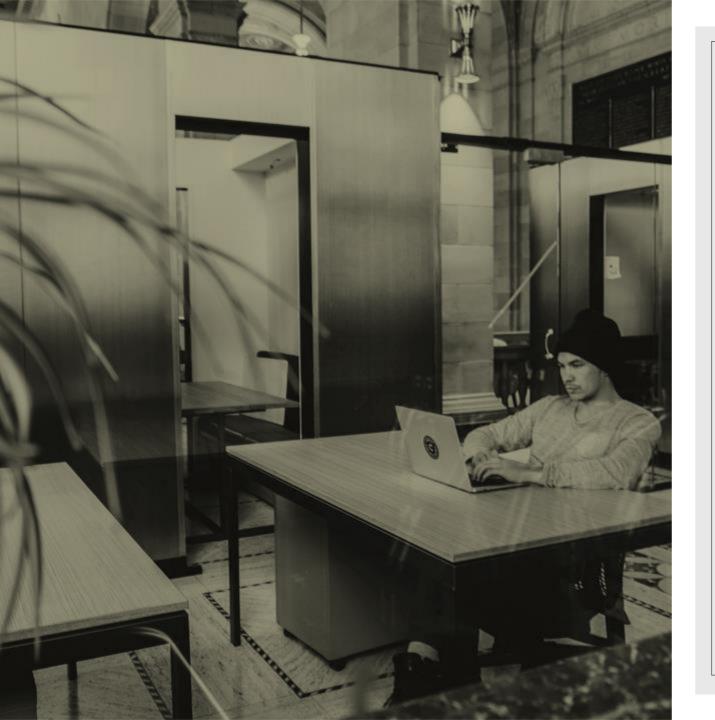**Lesson 5.**
Authentication Authorization

**Lesson 6.**
Web API versioning

**Lesson 7.**
Web API Logging with SeriLog

**Lesson 8.**
Web API Testing using NUnit

# Lession 4

- Filtering
- Sorting
- Paging

# EF Core: Filtering Data

| Lambda Syntax | Query Syntax |
|---|---|
| var dsHH = ctx.HangHoas<br>.**Where**(hh => hh.DonGia > 10) | var dsHH = **from** hh **in** ctx.HangHoas<br>**where** hh.DonGia > 10<br>**select** hh; |
| var dsHH = ctx.HangHoas<br>.**Select**(hh => hh.TenHH) | var dsHH = **from** hh **in** ctx.HangHoas<br>**select** hh.TenHH; |
| var dsHH = ctx.HangHoas<br>.**Select**(hh => new {hh.TenHH, hh.DonGia}) | var dsHH = **from** hh **in** ctx.HangHoas<br>**select** new {hh.TenHH, hh.DonGia}; |

# EF Core: Filtering Data (tt)

| Lambda Syntax | Query Syntax |
|---|---|
| var dsHH = ctx.HangHoas<br><br>.**Where**(hh => hh.DonGia > 10 **&&**<br>　　　　　hh.DonGia < 1000) | var dsHH = **from** hh in ctx.HangHoas<br><br>**where** hh.DonGia > 10 **and** hh.DonGia < 1000<br>**select** hh; |
| var dsHH = ctx.HangHoas<br><br>.**Where**(hh => hh.DonGia > 1000 **\|\|**<br>　　　　hh.SoLuong < 10) | var dsHH = **from** hh in ctx.HangHoas<br><br>**where** hh.DonGia > 1000 **or** SoLuong < 10<br>**select** hh; |
|  |  |

# Filtering Data (tt)

**Lấy phần tử đầu tiên:**

- First(), **FirstOrDefault**()

**Lấy phần tử cuối cùng:**

- Last(), **LastOrDefault**()

**Lấy phần tử duy nhất:**

- Single(), **SingleOrDefault**()

# Sorting, Paging

- **Sắp xếp:**
  - **query.OrderBy()**
  - **query.OrderByDescending()**
  - **query.ThenBy()**
  - **query.ThenByDescending()**

- **Phân trang: Skip() / Take()**
  - query.Skip(skipN).Take(pageSize)

# Interaction

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# THANK YOU!

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