Day 8

Anonymous object

objects you can create without a previous template

var person = new {

    Name = "John",

    Age = 30,

    Occupation = "Software Engineer"

};

Note that anonymous objects are read-only and cannot be modified after they are created. They are also limited in their scope, since they can only be used within the method or code block in which they are created.

Anonymous Functions

Lambda expressions

图形用户界面

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Delegate inference

Func<int, int, int> add = delegate(int x, int y)

{

    return x + y;

};

Action

Action is a delegate type that represents a method with no return value and zero or more input parameters.

Action<string> printMessage = message => Console.WriteLine(message);

Predicate

Predicate is a delegate type that represents a method that takes an input parameter and returns a boolean value.

Predicate<int> isEven = number => number % 2 == 0;

Func

Func is a delegate type that represents a method with a return value and zero or more input parameters.

In-memory objects: data/memory that is stored in Collection

/List, Dictionary, Arrays can use Linq because the output of Linq is IEnumerable

out-memory: sources outside scope of code, can be from text, Json, databases...

Ling can be still used on these; however, the output will be IQueryable.

LINQ Providers:

LINQ to Objects: In memory Sources

LINQ to Entities: processing data stored in External sources/database

LINQ to XML: old and not common practice

ORMs:Object Relational Mapping: connect the Asp.net application to SOL Server without any "Impedance Mismatch"

Map means the conversion of object types .

ORMS need provider: they are the connection that will connect your LINO to SOL server

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电脑屏幕截图

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SRP: Single Responsibility of Principal:

one class should have one responsibility over something

Data -> Repositories -> Service (Business Logic)

Readonly vs const: readonly doesn't have to be instantiated after declaration and can

be done later

屏幕上有字

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