Huy Bui

DISPLAYING DATABASE INFORMATION USING ENTITY FRAMEWORK

Method-based query syntax in LINQ

Assignment

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# Method-based Query syntax in LINQ

LINQ to Entities queries can be composed in two different syntaxes: query expression syntax and method-based query syntax. The method-based query syntax is a sequence of direct method calls to LINQ operator methods, passing lambda expressions as the parameters.

The following sample query fetches the data from the Student table in the database.

//Querying with LINQ to Entities

using (var context = new SchoolDBEntities())

{

var query = context.Students

.where(s => s.StudentName == "Bill")

.FirstOrDefault<Student>();

}

As you can see above, we created an instance of the context class SchoolDBEntities. It is recommended to instantiate it in using(), so that once it goes out of scope, then it automatically gets disposed.

## Select method

The following example uses the Select method to project the Product.Name and Product.ProductID properties into a sequence of anonymous types.



# PRACTICAL PART

## Create the user interface



## Code behind

### Switch statement for choice selection



### Erase DataGrid and create new columns



### Show nothing



### Show all staff information



### Show target by types