Huy Bui

DISPLAYING DATABASE INFORMATION USING ENTITY FRAMEWORK

SQL and database

Assignment

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# LINQ-to-Entities:

Language-Integrated Query (LINQ) is a powerful query language introduced in Visual Studio 2008. As the name suggests, LINQ-to-Entities queries operate on the entity set (DbSet type properties) to access the data from the underlying database. You can use the LINQ method syntax or query syntax when querying with EDM. Visit [LINQ Tutorials](http://www.tutorialsteacher.com/linq/linq-tutorials) to learn LINQ step-by-step.

The following sample LINQ-to-Entities query fetches the data from the Student table in the database.

LINQ Method syntax:

//Querying with LINQ to Entities

using (var context = new SchoolDBEntities())

{

var query = context.Students

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

.FirstOrDefault<Student>();

}

LINQ Query syntax:

using (var context = new SchoolDBEntities())

{

var query = from st in context.Students

where st.StudentName == "Bill"

select st;

var student = query.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.

# 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