Lab 8– Entity Framework: Groups A and B

CS295N, Web Development 1: ASP.NET

Objectives

The purpose of this lab is to help you learn to:

- Use Entity Framework to create a database
- Use a repository with Entity Framework
- Use the ASP.NET Core MVC Dependency Injection service
- Set up a database on a web server.

Part 1: Chapter 8 Tutorial Exercise

Create the web app described in Freeman, *Pro ASP.NET Core 2*, chapter 8, SportsStore: A Real Application. Just complete pages 194 – 118. Stop before the section on adding pagination.

Part 2: Group A: Community Information Site; Group B: Fan Web Site

Convert your web site to use a database for storing stories (and their authors and comments) or messages (and their senders and replies). You will do this by using Entity Framework Core and adding the following to your project:

- A DbContext class
- A connection string (use a unique name for your database, not the same name as the one used by the author of the textbook, your instructor, or your lab partner)
- A DbContext object in your "real" repository to access data in the database.

Submission

Publish your site to a web server

1. Set up a database
2. Publish the new code and run the database update.

Beta Version

Upload the following to the Code Review Forum:

1. A document containing screen-shots of the web app in exercise from part 1 running in your browser. (please use .docx or .pdf format)

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2. A zip file containing your web app's Visual Studio solution folder.
   Or, a link to a repository containing your web site solution source code. You can put the link on the same document with the report on your tutorial exercise.
3. A link to your web site running on a web server. This can also be in the document with the screen shots of the part 1 exercise.
4. A code review of your lab partner's work. (You do this after your lab partner submits items 1—3 and you review them.)

Production Version

1. Items 1—3 above, but revised as needed.
2. The code review of your work (the one done by your lab partner) with the second column ("Production") completed by you.