

ASP.net Web Apps

Logbook 2 (Unit 4)

Task 1 (5 marks)

Complete Step 1 of the [ASP.NET Core Razor Pages Contoso University](#) tutorial by clicking on the hyperlink here:

Provide suitable evidence in the form of screenshots that you have:

1. **Successfully setup the ASP.NET core web app**
2. **Created the data model**
3. **Scaffolded the student model**
4. **Initialised the database with test data**

The evidence should include:-

- The name of the GitHub repository that contains your ASP.NET code.
- A screen shot Student Index web page in the browser that clearly has your name in it.
- A screen shot of your database structure

https://github.com/BNU-Comp/Thu2_CoreRazorContoso.git

<https://github.com/BNU-Comp/Mon2CoreRazorPages.git>

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ASP.NET Core Razor Pages - Contoso University

by Dr Derek Peacock

Learn about [building Web apps with ASP.NET Core](#).

This example website has been created as part of CO550 Web Applications module

Welcome to Contoso University

Contoso University is a sample application that demonstrates how to use Entity Framework Core in an ASP.NET Core Razor Pages web app.

[See the tutorial »](#)

Build it from scratch

You can build the application by following the steps in a series of tutorials.

[See the tutorial »](#)

Download it

You can download the completed project from GitHub.

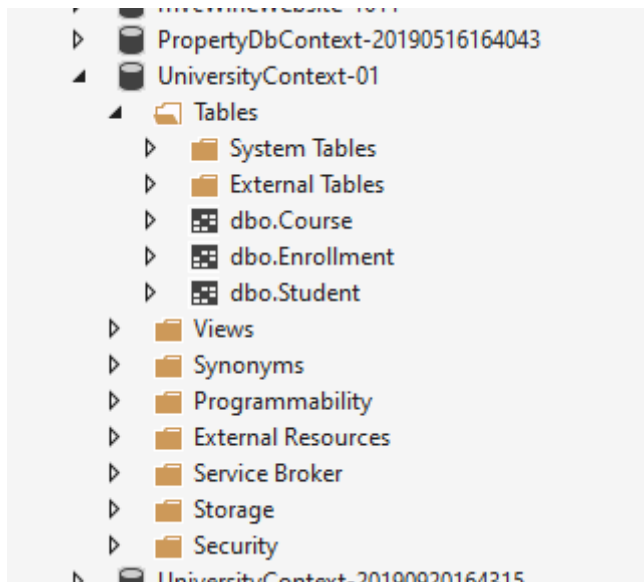
[See project source code »](#)

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| LastName | FirstName | EnrollmentDate | |
|-----------|-----------|---------------------|---|
| Alexander | Carson | 01/09/2005 00:00:00 | Edit Details Delete |
| Alonso | Meredith | 01/09/2002 00:00:00 | Edit Details Delete |
| Anand | Arturo | 01/09/2003 00:00:00 | Edit Details Delete |
| Barzdukas | Gytis | 01/09/2002 00:00:00 | Edit Details Delete |
| Li | Yan | 01/09/2002 00:00:00 | Edit Details Delete |
| Justice | Peggy | 01/09/2001 00:00:00 | Edit Details Delete |
| Norman | Laura | 01/09/2003 00:00:00 | Edit Details Delete |
| Olivetto | Nino | 01/09/2005 00:00:00 | Edit Details Delete |



Question 2 (1 mark): Explain one benefit of LINQ instead of SQL Queries

[INSERT ANSWER HERE]

Question 3 (1 marks): Research the following concepts and explain in your own words what they are and how they differ from each other

- Database First
- Model First
- Code First

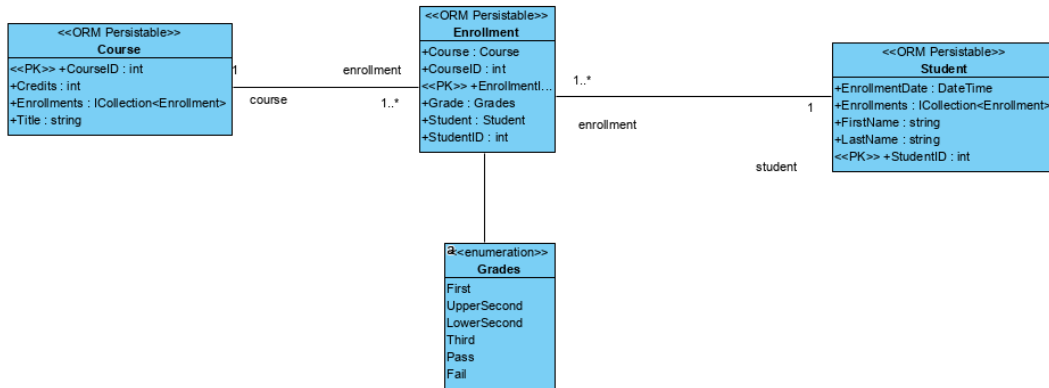
(Reference: <https://msdn.microsoft.com/en-us/library/ms178359.aspx#dbfmfcf>)

[INSERT ANSWER HERE]

Question 4 (1marks): Explain the difference between a database Entity and a C# class using the Student class and the Student entity

[INSERT ANSWER HERE]

Question 5 (1 mark): Paste in an image of the class diagram for Contoso University including Student, Enrollment and Course.



Question 6 (1 mark): Paste in an image of the Entity-Relational diagram for Contoso University including Student, Enrollment and Course.

