JOHN ABBOTT
CEGEP/COLLEGE

(420-PS4-AB)
Developing ASP .NET Web Applications with ADO .NET

Aref Mourtada

Summer 2018

Outline

- About me
- About you
- What is 420-PS4-AB?
- Support material
- Required to attend
- Course policies
- Course project

About Me

- Instructor: Aref Mourtada
- Contact: Mio
- Email: aref.mourtada@johnabbot.qc.ca
- Course Website: Léa

About You

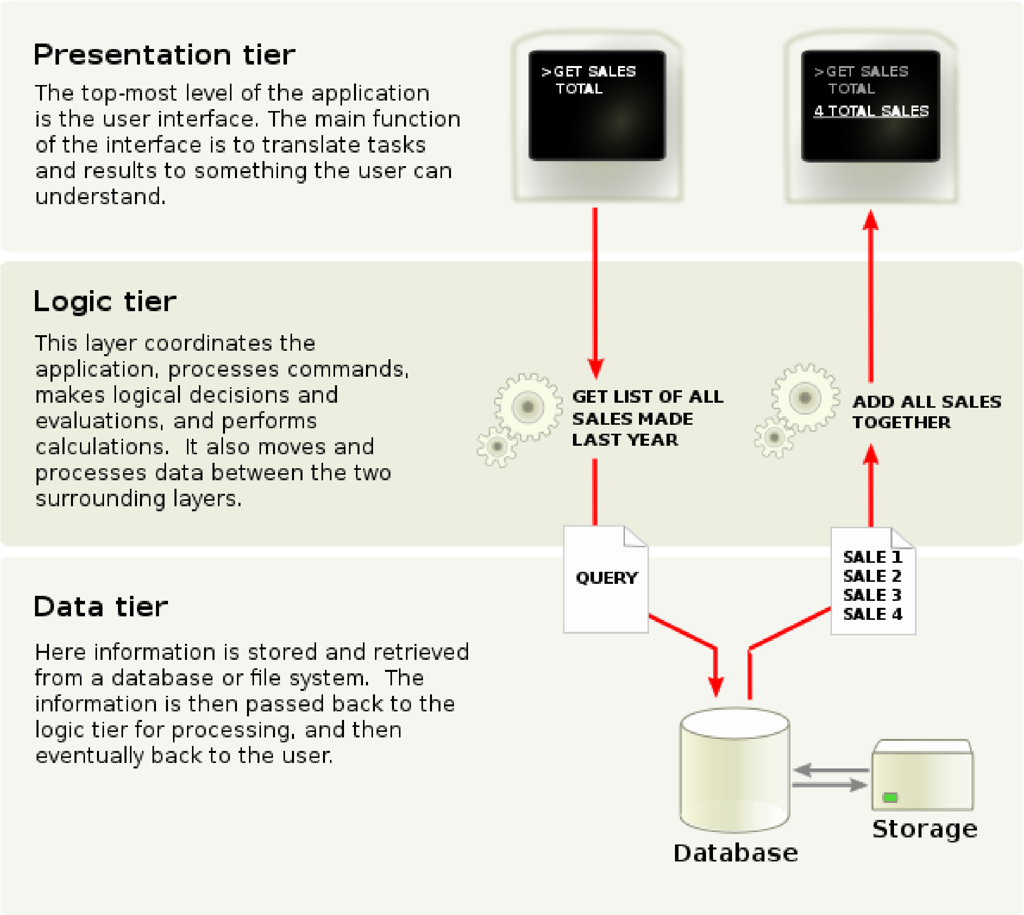
- Who are you? (name, background, class, major, minors, hobbies, job ..etc.)
- Do you have any experience in web programming?
- .NET knowledge??

What is 420-PS4-AB?

- A course intended to:
  - Introduce you to ASP .NET web forms
  - Introduce you to ASP .NET MVC

- Goals:
  - Understand ASP .NET components, web forms and MVC
  - Succeed in creating an ASP .NET website on their own
  - Contribute professionally to an ASP .NET web development project

Multitier Architecture



Presentation tier

The top-most level of the application is the user interface. The main function of the interface is to translate tasks and results to something the user can understand.

Logic tier

This layer coordinates the application, processes commands, makes logical decisions and evaluations, and performs calculations. It also moves and processes data between the two surrounding layers.

Data tier

Here information is stored and retrieved from a database or file system. The information is then passed back to the logic tier for processing, and then eventually back to the user.

>GET SALES TOTAL
>GET SALES TOTAL
4 TOTAL SALES
GET LIST OF ALL SALES MADE LAST YEAR
ADD ALL SALES TOGETHER
QUERY
SALE 1
SALE 2
SALE 3
SALE 4
Database
Storage

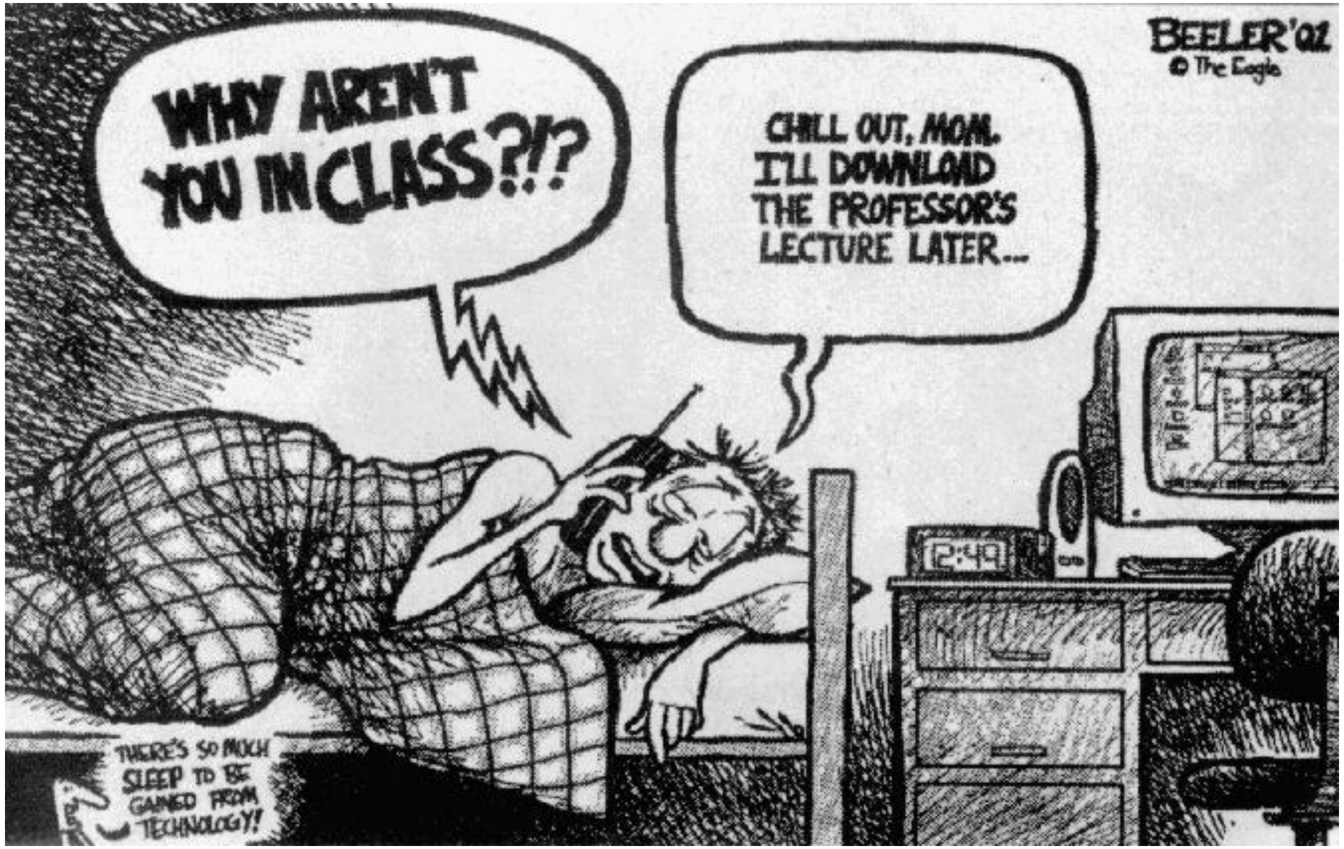
https://en.wikipedia.org/wiki/Multitier_architecture

Support Material

- Class Slides
- Lab exercises
- Handouts
- Assignments
- Suggested reading material
- Suggested textbooks
- Your class notes

Using Course Recourses

- Resources are provided to support and supplement this class.
- Neither the course notes nor the text book are meant as a substitute for regular class attendance.


BEELER'02
© The Eagle
WHY AREN'T YOU IN CLASS?!?
CHILL OUT, MOM. I'LL DOWNLOAD THE PROFESSOR'S LECTURE LATER...
12:49
THERE'S SO MUCH SLEEP TO BE GAINED FROM TECHNOLOGY!

Feedback

- Let me know how things are going in the course:
  - Am I covering the material too slowly or too quickly.
  - Are the slides material clear?
  - Can you read the my hand writing?
  - Can you hear me well in the class.
  - Etc.

Attendance

- Lecture
  - June 5th to June 26th 2018
  - 8.30 am – 2.30 pm
- Be there on time
- Breaks
- Mobile phones

Course Policies

- Grading:
  - **Assignments:** 5 – 4% Each
  - **Exam(s):** 1 exam worth 20% _*or*_ 2 exams (10% each)
  - **Final:** 40%
  - **Course Project:** 20%

- Exam policies
- Assignments

3-Layer Learning Scheme

Demo

- Elaborative, used to explain main concept.
- Done by teacher & student

Exercise

- Re-instate of *Demo*, with additional requirements.
- Done by students (by teacher if needed)

Assignment

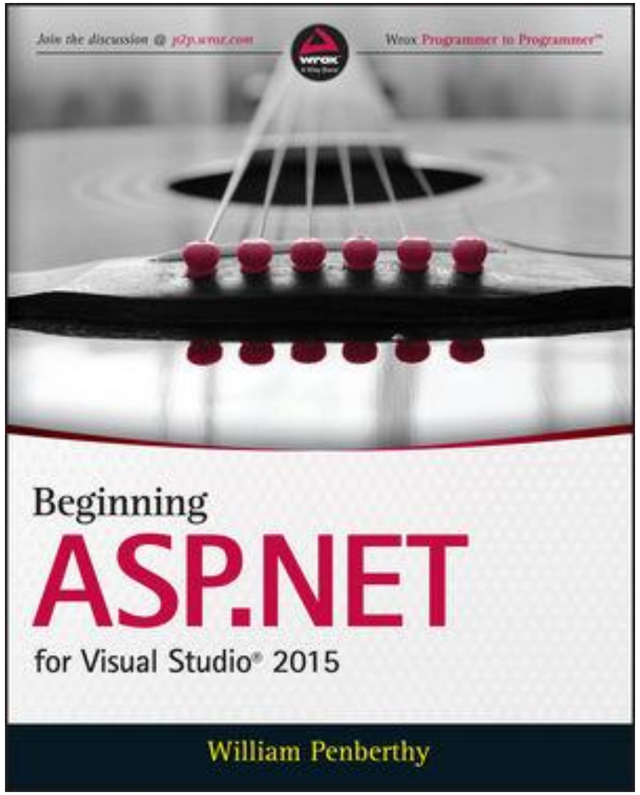
- Examines student knowledge.
- Time will be allocated during class for assignments.

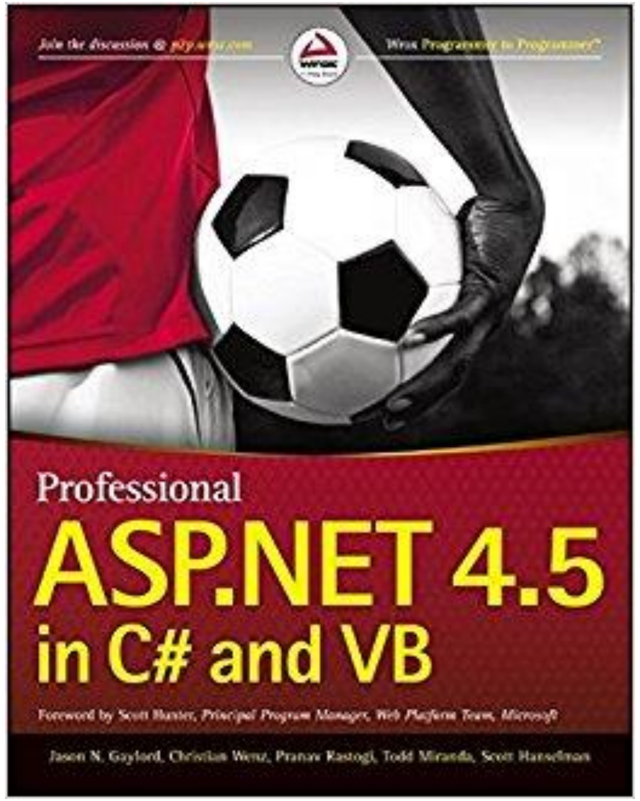
Course Project

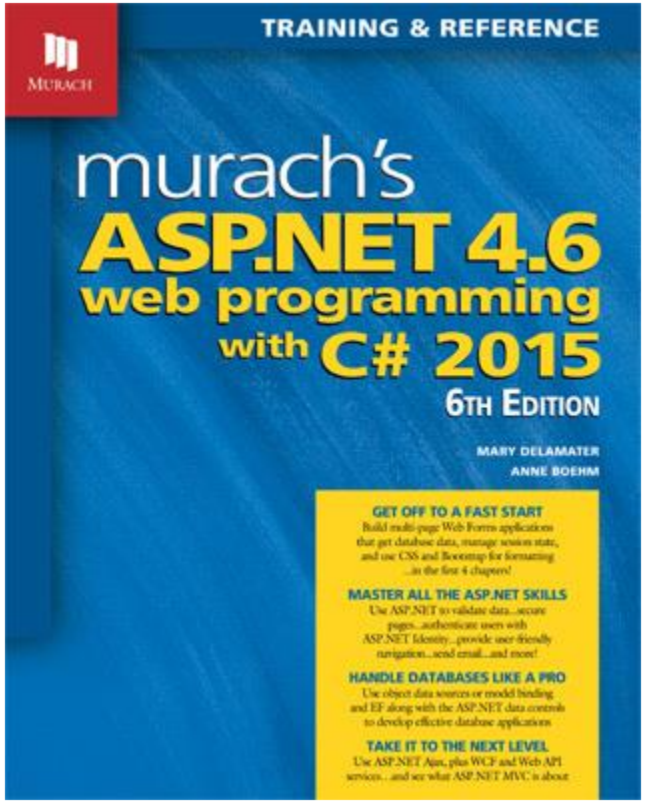
- Team project (2-3 members)

- Stages:
  - Proposal: Text description of the project and expected functionality.
  - Presentation: 5-10 minutes.
  - Final submission: Report & code.

Suggested Textbooks


Join the discussion @ p2p.wrox.com
wrox
Wrox Programmer to Programmer™
Beginning
ASP.NET
for Visual Studio® 2015
William Penberthy


Join the discussion @ p2p.wrox.com
wrox
Wrox Programmer to Programmer™
Professional
ASP.NET 4.5
in C# and VB
Foreword by Scott Hunter, Principal Program Manager, Web Platform Team, Microsoft
Jason N. Gaylord, Christian Wenz, Pranav Rastogi, Todd Miranda, Scott Hanselman


TRAINING & REFERENCE
MURACH
murach's
ASP.NET 4.6
web programming
with C# 2015
6TH EDITION
MARY DELAMATER
ANNE BOEHM
GET OFF TO A FAST START
Build multi-page Web Forms applications that get database data, manage session state, and use CSS and Bootstrap for formatting ...in the first 4 chapters!
MASTER ALL THE ASP.NET SKILLS
Use ASP.NET to validate data...secure pages...authenticate users with ASP.NET Identity...provide user friendly navigation...send email...and more!
HANDLE DATABASES LIKE A PRO
Use object data sources or model binding and EF along with the ASP.NET data controls to develop effective database applications
TAKE IT TO THE NEXT LEVEL
Use ASP.NET Ajax, plus WCF and Web API services...and see what ASP.NET MVC is about

Other Recourses

- Microsoft's Site on ASP.NET - Official site maintained by Microsoft with links to information.
- ASP.NET Weblogs - NET Developers Group that will be held at the Microsoft offices in Farmington.
- MSDN Library - An essential source of information for developers using Microsoft® tools, products, technologies and services
- .NET Framework - The .NET Framework is an integral Windows component that supports building and running the next generation of applications and Web services

Q & A

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