

## Enterprise Computing I

### Assignment: Database design & programming

**Given:** 9/11/2009

**Due:** 30/11/2009

#### Objective

Students are to develop .NET applications (C# and VB), which include data service using *GridView*, *DetailsView*, *FormView* objects and Object Data Sources controls using a student's database.

#### Prerequisites

For this assignment students need to use a private database from the previous assignment #2 ("Database design & SQL")

#### Requirements

- Each program has to be commented in details within source code and has a header with information about Author of that program: ID, Name, Group #, date of development, and a notice about the purpose of that program.
- Submit the programs to the lecturer on the hard disk of students' machines (1AX, C1 labs - on the student's private directories or on your private computer) during face to face presentation to the lecturer.
- For each one week after the due week of the presentation will be taken 20% off from the total marks for the assignment.

#### Programming and environment tools:

- Visual Studio .NET 2.0, C# 2005, VB.NET 2005, Database MS SQL Server 2005
- Students should be able to use the Microsoft Developer Knowledge Base – MSDN Library on the server and in Internet hot line: <http://msdn.microsoft.com/>.

### Goals, process of development and marking schema

#### Development VB.NET Application (First part of assignment)

Students are to develop .NET applications in two versions – using C# 2005 and Visual Basic 2005 programming languages, which include *GridView*, *DetailsView*, *FormView* objects, Object Data Sources controls and MS SQL Server 2005 database, which must provide:

- Retrieving the data from the database and show it in the web-form, using drop-down and Textboxes controls
- Updating data in the database
- Deleting data from the database
- Adding data to the database

**Assessment schema:**

<b>Component of development</b>	<b>C# solution</b>	<b>VB solution</b>
• Using the GridView object	<b>15 %</b>	<b>6 %</b>
• Using the DetailsView object	<b>15 %</b>	<b>6 %</b>
• Using the FormView object	<b>15 %</b>	<b>6 %</b>
• Using an object data sources	<b>25 %</b>	<b>12 %</b>
<b>Total:</b>	<b>70 %</b>	<b>30 %</b>

A marking process of that assignment will be during a Study week – 30.11.2009 – 4.12.2009 and not beyond of these dates.