IMS2501: Second Year Studio
Assignment 4
Working System

Aims:
The aims of this assignment are to:
• Provide the opportunity to further develop your VB.Net coding skills, esp. for database related applications, and
• Continue to develop your team and project management skills.

Value:
This assignment is worth 30% of the total assessment for the subject.

Assignment Outline:
Your team has been given the task of automating the conference system for the International Conference on Heuristic Interfaces (ICHI) hosted by the University of Callithumpia.

This assignment requires you to:

Translate the function requirements and the design specification for the conference system that were documented in the earlier assignment submissions into a working Windows-based system.

Due Dates:

Task Deliverables:
There are 3 related deliverables for this assignment:

1. The working system “executable” and associated files in a form that allows easy installation. If the previously submitted user documentation does not explain the installation process, additional installation instructions will need to be provided.
2. The source code (the entire) for the VB.Net “solution”. It will be assumed that the source code will include comments and will follow section 7.1 of the student guide (Coding standards).
3. You will be expected to make presentation to your studio group that demonstrates how the system you have created meets the main information processing and work flow of the conference organizers. This presentation will be made in week 12.
Assessment guide:
The submission will be assessed using the following criteria. (The % weights indicate how much of the 30% available for the submission is allocated to each item.) The system will be assessed to see if:

- The system meets the clients information requirements (as documented in the Functional Specification), 6%
- The system has a user interface that is consistent and appropriate for the work activity that the system is intended to support, 6%
- The system has been developed using code that is well laid out, correct and readable (including appropriate comments), 6%
- The system crashes gracefully, that is errors are trapped and reported to the user appropriately, 2%
- The submission is virus free (a hurdle).
- System presentation, 10%

Notes:
It is expected that the program code will take the form of a traditional VB.Net application and will include a presentation tier, a business tier and a data tier (for an explanation of multi-tier applications in VB.Net see chapter 2 from Bradley and Millspaugh).

Task Work Details:
It is expected that each individual will have been responsible for the majority of the coding of the function they have been working on in the previous assessment tasks, especially the coding of the classes in the presentation tier and the business tier. However, it is expected that other team members will help provide support and assist in debugging and code walkthroughs. The team should share the effort involved in the development of the system’s data tier. The system should appear to the client as an integrated single system. Ensuring the integration of all the functions and the correct operation of the system as a whole is a task for the team.

Assignment, Team and Project Management:
This assignment has both individual and team components. The individual components will help you develop your system develop skills, while the team components will focus on developing your integration, teamwork and project management skills.

For assistance in managing your team and project please refer to Sections 5, 6.3.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, and 9.9 of your IMS2501 Student Guide.

Each team must maintain the project management documentation specified in Section 6.3.2 of the Student Guide.
Inadequate team participation will result in a fail for all team components of the assignment.

Peer Review / Project Team Contributions:
Each student in the team must fill out the newly designed Peer Review/Project Contribution form. This will be done individually and will be distributed and collected by the studio staff during the studio session of Week 12.

Assessment Notes:
Please refer to Section 11 - Appendix C in the Student Guide for details about Standards for presentation, Assignment cover sheets, Extensions and Submission and Return of assignments.