University of Technology, Jamaica

School of Computing and Information Technology

Enterprise Computing 1, Final project

Date given: Tuesday, October 16, 2018
Dates of the presentation: Monday 19 – Friday 23 of November 2018 (during the scheduled lab session time for each group)

Weight: 40% of the final grade of the semester.

Objective: Students are to develop web application based on .NET platform, which is based on Lab Test scenario (using application, which has been developed during a lab-test).

Requirements:

1. Data for this application must be stored in the MS SQL-Server of the database. The database must consist at least three tables and normalized (the third Normal Form). Connection to the database must be described in the *web.config* file of the application.
2. The application must have at least three ASP.NET pages.
3. The application has to have at least one business object (class, developed by the student and stored in the *Models* folder of the project)
4. Development tools:
   - MS Visual Studio 2015/2017 versions
   - MS SQL-Server of the database
5. The database must be included in the solution folder. During this process, the student must detached his/her database (*.mdf* and *.ldf* files) and store it in a folder called "*Database*"
6. The final version of the **project and database** must be named by student's ID **(any other names will not be accepted, and final project will not be marked**). Example of the database and project names is here – "1234567" – only seven digits and no characters must be in the name!
   Examples of bad names, which will not be accepted: *"StudentID_FinalProject", "Hotel_StudentID", "StudentID_Books"*, **"C***ar_Rent", "Hotel_reservation", …,* **etc**.
7. The solution should be zipped and must be ready to present to the lecturer for oral "face-to-face" presentation.

Process of development and marking process:

1. Process of marking includes two sessions – "face-to-face" (10-15 minutes) presentation to the lecture. After this presentation student will get a Coefficient of Understanding (CoU), which indicates level of understanding of the source code and techniques, used within a project. Range of the CoU is between 0.2 – 1.0, which means:

- 0.2 – student is presented an application, but do not understand a source code and technology, which he/her has used in it.
- 1.0 – student understands everything, what he/she presents
- Other values of CoE are indicating different levels of understanding of the source code and technology by student.

2. Evaluation of the assignment will consist following marks:

#	Project Components	Marks
1	Database: • Structure of the database (tables and diagram) • Stored Procedures & Views	15% × CoU 5% × CoU
2	Using Validation controls	5% × CoU
3	Using the FormView control	5% × CoU
4	Using the DetailsView or GridView controls for Update, Delete, and Insert data (students' choice)	10% × CoU
5	Using an Entity Data Model or Code First Development (students' choice) for data access	20% × CoU
6	Using a Language Integrated Query (LINQ)	10% × CoU
7	Using Business objects (Classes) for data access	5% × CoU
8	Cross-page communication	5% × CoU
9	Functionality of the project and good practice of programming (C#/ASPX code)	15% × CoU
10	Page Layout & Presentation	5% × CoU

Notice:
- For each day of the late presentation (after week: Monday 19 – Friday 23 of November 2018) 3% will be taken from the total mark of the project.