

## ASSIGNMENT 2

**DUE DATE: 17-JUN-2018**

**PROG 37721 WEB SERVICES USING .NET AND C#**

**SUMMER 2018**

This assignment evaluates the knowledge of creating a C# Windows Forms application utilizing GUI controls, and .NET collections, and creating data driven Windows Forms applications using ADO.Net in SQL Server.

### Scenario

An organization “Trafalgar Book Club” that would like to exchange book reviews among readers community. They have decided and approached you to develop a Windows Desktop App to provide read/create access to the “Mega Book Database” stored in the SQL Server.

### Requirements

1. Create a SQL Server database table named "MegaBookDB", which database should create the following tables: (30 points)

- a. BOOKS table storing the book name(Name), author name (Author), publish date(PublishDate), book ISBN number (ISBN) and book ID(Id) (use appropriate data types)
- b. REVIEWS table storing reviewer name(Reviewer), review text(Review), review ID(Id), review date (Date), rating (1-10) (Rating) and book ID(BookID) (use appropriate data types!).

2. Create a Windows Form App to perform the following tasks:

**Task1:** Provides a Form for adding NEW books to the “Books” table. Note that all fields are mandatory and that the *book ID should be automatically generated*. (20 points)

This form should include the view, edit and delete buttons to manipulate the “Books” table

**Task 2:** Provides a second Form to allow users to add new book reviews (all fields are mandatory EXCEPT for the book rating). The user must be able to select the book from the list of available book names which have been retrieved. (30 points)

This form should:

- Include view, edit and delete button to change the “REVIEWS” table.
- Display the Review ID to the user after a new review is added.
- Automatically generate the review date based on when the review is added.
- Display the number of reviews that the user has added during the current session.

**Task 3:** Provides a third Form to allow users to search and view book reviews based on the book ID, book name and/or reviewer name. It should display the fields of the currently selected review(s) based on the search criteria.

(10 points)

The following should include in your Windows App to maintain the coding standards: (10 Points)

- a. Excellent use of variables, object and other controls properties wherever needed.
- b. Appropriate comments and Follow the naming rules on Apps and submission folder.
- c. Improved user-friendly form design and appropriate messages / confirmation messages.

## Submission

- Each C# files should have author name, student number and date in top of the file.
- You must name your folder according to the following rule:  
StudentName\_Student Number\_Assignment\_Number  
Example: **Smith\_John\_999999999\_Assignment\_2**
- The folder must contain Visual Studio Project with all the necessary files and Screen shots.
- All your solutions must be uploaded electronically into Dropbox **on or before 17 Jun 11.59pm.**
- All completed assignments **MUST be demonstrated** to the professor during the regular scheduled class on **18 Jun 2018.**
- Late submissions will be penalized with **10% per day for up to 3 calendar days** after which the assignment cannot be submitted anymore.

## Academic integrity and Plagiarism

Each student should be aware of the College's policy regarding Cheating and Plagiarism. Sheridan's Academic Policy will be strictly enforced.

Sheridan is strongly committed to upholding the highest standards of academic integrity and expects that all of its members maintain the highest standards of academic integrity throughout all areas of academic life, including teaching and learning, research, writing and all other scholarly work.

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