University of Westminster
Department of Computer Science

7SENG001C.2 Enterprise Development – Coursework TWO (2020/2021)

Module leader	M. Cassim Farook
Unit	Coursework TWO – Implementation.
Weighting:	60%
Qualifying mark	35%
Description	Implementation of design utilizing: Windows forms, Dynamic UI, Persistent storage, .NET Collections. Reports and walkthrough.
Learning Outcomes Covered in this Assignment:	This assignment contributes towards the following Learning Outcomes - LO1 Be able to demonstrate a thorough understanding of and practical experience of a major object-oriented programming language and development environment that has full support for the development of a typical n-tier application - LO2 Be able to critically evaluate the extensive control classes provided by the language, and demonstrate their use and extension in the design and construct a GUI application - LO5 Critically evaluate and communicate their work by both written and oral means.
Handed Out:	16th March 2021
Due Date	20th April 2021, 1 pm UK time
Expected deliverables	1. PDF report. 2. Zipped Visual Studio Project folder.
Method of Submission:	Electronic submission on BB via a provided link close to the submissiontime. 1. The pdf report via Turnitin with the following naming format. <StudentNumber_FullName.pdf> eg. **Cw2_w123456_JohnSmith.pdf** 2. The file you upload should have the following naming format: <Cw2_StudentNumber_FullName.zip> eg. **Cw2_w123456_JohnSmith.zip**
Type of Feedback and Due Date:	Feedback and marks 15 working days (3 weeks) after the submission deadline. All marks will remain provisional until formally agreed by an Assessment Board.

Assessment regulations

Refer to section 4 of the "How you study" guide for undergraduate students for a clarification of how you are assessed, penalties and late submissions, what constitutes plagiarism etc.

Penalty for Late Submission

If you submit your coursework late but within 24 hours or one working day of the specified deadline, 10 marks will be deducted from the final mark, as a penalty for late submission, except for work which obtains a mark in the range 40 – 49%, in which case the mark will be capped at the pass mark (40%). If you submit your coursework more than 24 hours or more than one working day after the specified deadline you will be given a mark of zero for the work in question unless a claim of Mitigating Circumstances has been submitted and accepted as valid.

It is recognised that on occasion, illness or a personal crisis can mean that you fail to submit a piece of work on time. In such cases you must inform the Campus Office in writing on a mitigating circumstances form, giving the reason for your late or non-submission. You must provide relevant documentary evidence with the form. This information will be reported to the relevant Assessment Board that will decide whether the mark of zero shall stand. For more detailed information regarding University

Assessment Regulations, please refer to the following website:**http://www.westminster.ac.uk/study/current-students/resources/academic-regulations**

Coursework TWO Description

You are to implement your design specification from coursework 1 using Visual Studio. The implementation will be marked based on the following criteria.

Implementation – Should reflect MVC pattern

1. User interface (design, readability, usability) - 10%

2. Dynamically built views - 20%

   By "Dynamically built" we mean that you must ensure that <u>your interface changes</u> in response to user input. For example, the user should specify the number of entries and the form would be generated with that many entry fields. This would not be possible with statically designed forms.

3. XML reader/writer/database code (writes XML only then 5% max) - 10%

4. Prediction view (predicts expenses for a given day) and prediction algorithm - 10%

5. Threaded file writer method – 10%

Report

6. Design changes and reasons. (10%)

   Document any modifications to your design and provide reasons for the changes. The reasons should highlight how the modifications improve your design in terms of, maintainability, reuse.

7. Evaluations (20%)

   Evaluations of the two design documents that were allocated to you.

Viva and Code walkthrough

8. Code walkthrough (10%).

   A 15 minute presentation of the implementation with a walk-through of key aspects of your implementation to the team.

Appendix

Screenshots of the working program need to be included in the Appendix.

Note: The above marks are assigned with a component for defense/explanation of code and design, and any removal of marks for lack of understanding is entirely at the discretion of the marker. Implementation marked without a viva is subject to a maximum mark of 35%.

Coursework TWO Marking scheme

- The coursework is an individual effort. You can state your own assumptions.
- **GROUP DISCUSSION OF THE COURSEWORK (GROUP THINK) IS NOT SANCTIONED.**
- There should not be any code modifications after submission.

- The Coursework will be marked based on the following marking criteria. Each row is assigned a weightage.

Mark Provided = Component Mark * Weight

Example:

<u>User Interface</u>

Component Mark is 10 Marks

Weighted at 80% (Excellent) at the demo.

Mark Provided is 8.

Criteria	Component Mark	Mark Provided	Comments
1. User interface (usability)	10		
2. MVC Implementation. Dynamic Views.	20		
3. XML reader/writer/database code (writes XML only then 5% max)	10		
4. Prediction view (predicts expenses for a given day) and prediction algorithm	10		
5. Threaded file writer method	10		
6. Report - Design changes and reasons	10		
7. Report - Evaluation on Design	20		
8. Code Walkthrough Viva	10		
Total	**100**		