



INFT1150 ASSESSMENT TASK 2 (30% of total marks)

Creating an Information System.

SUBMIT by 12 noon Mon 23rd of October.

Preamble:

One of the key elements of this course INFT 1150 is to understand and learn how to build an Information System.

These Studio classes each week from Week 6 - Week 10 (inclusive) will develop those skills and constitute 50% of the marks for this course. 30% of the marks will come from the completion of the tasks completed in a group of 3-4 students.

See [ASSESSMENT RUBRIC Assessment Task 2 at the end of the document](#)

Scenario repeated:

You are required to be the developer for a new Bank, The Bank of Newcastle (BoN). The BoN wants to respond to the real needs of local people and so is concerned to provide services to local people that meet their daily, weekly and long term needs of a bank. What will be very different about this bank is that it will be **fully online** with no physical (brick and mortar) branches. Therefore it is strategically important for the BoN to have an easy to use business system with an interface that makes the business work effectively and the customers able to do what they needs in terms of banking easily and efficiently.

All of work you completed in Weeks 2-5 in the studio will form the planning basis for completion of this assignment

TASK 1. Watch both of these videos:

<https://www.youtube.com/watch?v=5BQkWfNyMNQ>

https://mva.microsoft.com/en-us/training-courses/visual-basic-fundamentals-for-absolute-beginners-16507?l=jqMOvLKbC_9206218965

OR

in Python:

building a web site using python: <https://code.tutsplus.com/articles/python-from-scratch-create-a-dynamic-website--net-22787>

OR

In C++: https://www.youtube.com/watch?v=j_kKNRO5F1g

NOTE: (if you feel comfortable using other methods such as HTML, or C++, or Java or Python you can complete all of the work using those methods)

TASK 2: Read: Creating a Basic Web Forms Page in Visual Studio **or in the method you have chosen as a group to use:**

<https://msdn.microsoft.com/en-us/library/k4cbh4dh.aspx>

TASK 3: Review the use cases you developed throughout weeks 2-5 and develop a complete plan and total use case for the information system for the bank you are developing (This overall use case incorporating all specific use cases must be included in the final report as an Appendix).

TASK 4: Build your system in the studio each week.

It is expected that you will:

- Build an operating information system that comprehensively covers all of the use cases designed
- Build an operating information system that comprehensively addresses the business goals of the bank
- Build an operating information system that has been tested and works on every occasion
- Build an operating information system that demonstrates that usability has been considered and is operational
- Build an operating information system that demonstrates elements of creativity complement functionality
- Be able to demonstrate the functionality, usability and creativity to your Demonstrator in the studio as it is developed

TASK 5: Report

The Report must include the following:

1. Title Page and Authors
2. Executive Summary
3. Table of Contents
4. Student Team Profile
5. Project Description/Goals/Business Aims
6. Description of Development Process Used
7. Use Cases and IS structure
8. Description of the System and how it operates
9. Elements of usability and how incorporated into the system
10. Appendix A - Group process evaluation by each member
11. Appendix B - Copy of the system

Resources:

1. Your Demonstrator
2. https://www.tutorialspoint.com/vb.net/vb.net_web_programming.htm
3. Other resources you could find (as long as you cite them in the Report)

Assessment Rubric - Assessment 2 (weeks 6-10)

| Assessment criteria | Unacceptable (5-9 marks) (Failure to adequately address the main issues and lack of understanding of the basic principles) | Acceptable (10-14 marks) (Majority of the main issues addressed but inadequate evidence of independent thinking and analysis) | Good ((15-19 marks) (All the main issues are addressed but limited evidence of independent thinking and analysis) | Very Good (20-24 marks) (Good exploration of main issues with high level of independent thinking and critical analysis) | Excellent (25 -30marks) (Comprehensive exploration of main issues with outstanding level of independent thinking and critical analysis) |
|---|--|--|--|---|--|
| Design and development of the IS (30%) | - Inappropriate /inadequate to convey a rudimentary understanding of and planning the elements required for an effective | Sufficient detailing to convey a rudimentary understanding of and planning the | - Good detailing to convey a rudimentary understanding of the elements required in IS development | - Very good detailing to convey a rudimentary understanding of the elements required in IS - Very good detail in | - Outstanding detailing to convey a rudimentary understanding of the elements required in IS - Outstanding |

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| | <p>Information System</p> <ul style="list-style-type: none"> - lack of detail in required diagrams and tables. - Incorrect use of required form of diagrams - use of poor grammar/writing style. | <p>elements required for an effective Information System</p> <p>lack of detail in required diagrams and tables.</p> <ul style="list-style-type: none"> - poor use of required form of diagrams - use of poor grammar/writing style. | <p>-Good detail in required diagrams and tables.</p> <p>-correct use of required form of diagrams</p> <p>- reasonable grammar/writing style.</p> | <p>required diagrams and tables.</p> <p>-correct use of required form of diagrams</p> <p>- very good grammar/writing style.</p> | <p>detail in required diagrams and tables.</p> <p>-correct use of required form of diagrams</p> <p>- Presentation displaying professional standards of writing and referencing.</p> |
| Information System operations and product (40-%) | <ul style="list-style-type: none"> - Inadequate demonstration of skills in using Visual Studio or other appropriate tool - Poor creativity demonstrated in the finished information system - Ineffective operability of the IS | <p>Sufficient demonstration of skills in using Visual Studio or other appropriate tool</p> <p>-Sufficient creativity demonstration in the finished information system</p> <p>-Adequate and sufficient operability of the IS</p> | <p>Good demonstration of skills in using Visual Studio or other appropriate tool</p> <p>Obvious good creativity demonstration in the finished information system</p> <p>-Good operability of the IS</p> | <p>Very Good demonstration of skills in using Visual Studio or other appropriate tool</p> <p>Obvious very good creativity and useability demonstration in the finished information system</p> <p>-Very Good operability of the IS</p> | <p>Outstanding demonstration of skills in using Visual Studio or other appropriate tool</p> <p>Obvious outstanding creativity demonstration in the finished information system</p> <p>- Outstanding operability of the IS</p> |
| Project report (30%) | <ul style="list-style-type: none"> - Incomplete Report - Report lacking in detail - Individual assessment of the IS development process missing or incomplete - use of poor grammar/writing style. - | <p>Completed Report</p> <p>Report lacking in sufficient detail</p> <p>Individual assessment of IS development process complete but with only sufficient detail</p> <p>use of poor grammar/writing style.</p> | <p>Completed Report</p> <p>Report is detailed</p> <p>Individual assessment of IS development process completed in detail</p> <p>Reasonable grammar/writing style.</p> | <p>Completed Report and very good presentation</p> <p>Report is detailed and comprehensive</p> <p>Individual assessment of IS development process completed in detail and covers all aspects required</p> <p>Very good grammar/writing style.</p> | <p>Completed Report and outstanding and professional presentation</p> <p>Report is detailed and comprehensive</p> <p>Individual assessment of IS development process completed in detail, and covers all aspects required</p> <p>- Presentation displaying professional standards of writing and</p> |

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| | | | | | referencing. |
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