Department of Information Systems and Computing

BSc (Hons) Computer Science

Academic Year 2011-2012

Investigating Some Cool Concept

John Smith

012345

A REPORT SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE DEGREE OF BACHELOR OF SCIENCE

Brunel University
Department of Information Systems and Computing
Uxbridge, Middlesex UB8 3PH
United Kingdom
Tel: +44 (0) 1895 203397
Fax: +44 (0) 1895 251686

Abstract

Give a summary of your dissertation. Try to include the following:

- A high level description of the topic area
- An overview of the problem studied and why this is interesting / relevant / important
- A high level description of the approach taken
- A summary of the contribution (what did you find/what was the outcome? What is the key implication of your work?)

If possible try not to exceed 500 words. You must **not** exceed this one page.

Acknowledgements

We can acknowledge people, supervisors, family, friends, even programs here if we want.

I certify that the work presented in the dissertation is my own unless referenced.

Signature .....

Date .....

TOTAL NUMBER OF WORDS: **898**

Table of Contents

List of Tables and Figures

List of source code

1 Introduction

Think about trying to set the scene for your report by giving an overview of your topic area and show how this fits into the broader area of Information Systems/Computer Science/Applied Computing/Network Computing. Give a brief overview of existing research and industry work in your topic (the full description will come in your literature review). Try to demonstrate that there is a gap in current knowledge or practice and use this to show why your own work is valuable. This should lead into a statement of the problem or research question that your report addresses.

1.1 Aims and Objectives

State your intended aim and present your measurable objectives. The aim and objectives may be the original or a revised version of those found in your research proposal. Make sure that you have discussed and agreed any major changes in the aims and objectives with your supervisor.

1.2 Research Approach

Give a brief overview of methods you used to achieve your intended aim and meet your individual measurable objectives.

Note that if you are involving human participants within your research, when reporting your research approach in more detail later in the report, you should include a brief summary of the measures taken to prevent contraventions of ethical guidelines.

1.3 Dissertation Outline

The following describes how this report is organised.

Chapter 2 Literature Review

Background research...

Chapter 3 Implementation

Implements some program...

Chapter 4 Testing and Evaluation

Does some testing...

Chapter 5 Concluding Discussion

Summarises...

2 Literature Review

2.1 Introduction

You'll need to complete a Literature Review, which should detail the background about why you are planning to do your project, comparison of other solutions that exist and definition of new concepts that may not be known to the reader. Ideally you should pretend the reader is a CS or IS student who has completed Level 2, so any concepts you plan to use should be highlighted and outlined in some detail.

2.2 Example Table

Here I'll just import a table by using the input command. It's better to use other .tex files to write your tables as they can become quite messy. I used an Excel2LaTeX (or Excel2Tex) script to make tables easily, though it does still require some tweaking for the size.

	Col-heading 1	**Col-heading 2**	**Col-heading 3**
Row 1	Row 1 Col 1	Row 1 Col 2	Row 1 Col 3
Price	Free	Free	Free
Language	Java	C++	Python
Scripting	None	Lua	Lua, JavaScript
Skill	Intermediate	Intermediate	Intermediate
Activity	Highly Active	Not Active	Medium Active

Table 2.1: An example caption for the table, also shows up in Table of Contents

Table 2.1 shows a bunch of example rows and columns, note I used autoref because it is more readable when it shows Table rather than just the number.

2.3 Example Referencing

Here is how you can easily reference someone (Smith et al. 2011). Goodmans (2010) reported that everything worked really well and Johnson et al. (1992) also agreed. Sometimes you might want to reference multiple things in the same quote as they all say the same thing (Lavín-Mera et al. 2008, Martin & Pan 2007, The Royal Society 2010).

2.4 Summary

The last section of each chapter (first and last chapters excluded) should be a brief summary of the chapter (1 paragraph) and a brief description of how it moves on to the next chapter (1 paragraph).
Note I've not included all the various chapters that you might want to use. This is because you may have a very different outline/structure for your report and you should be more creative to write something that will interest the reader.

3 Implementation

3.1 Introduction

This chapter details the development process...

3.2 How I did it all

Add sections and subsections to detail how you implemented your "program"

3.2.1 In detail

...and try to do it in as much detail as possible, answering all the possible "why did you do it this way" type of questions that you can think of.

3.3 Summary

The last section of each chapter (first and last chapters excluded) should be a brief summary of the chapter (1 paragraph) and a brief description of how it moves on to the next chapter (1 paragraph).

4 Testing and Evaluation

4.1 Introduction

Maybe you want to do some testing and evaluation, or you might want to include this chapter within the implementation chapter. If you're doing IC, you might not have much testing to do, where-as CS students may require a lot more testing.

4.2 Summary

This chapter has presented...
chapter 5 documents the conclusion of this project along with a personal reflection.

5 Concluding Discussion

This chapter gives a summary of the main points of the report, presents the contributions made and discusses possible future activity that evolves from the project.

5.1 Summary of the dissertation

A chapter by chapter summary of main points of the report.

5.2 Achievements

Presentation of the projects achievements. You should discuss their value and how they can be applied both academically and practically?

5.3 Future research or development

How can your achievements be exploited further? By you or by a student next year or by the beneficiaries? What further research could be pursued from your dissertation and how? Note that no research or development is perfect and there will be limitations to your work. Discuss them here, but use them in a positive way by describing how future work could overcome these limitations.

5.4 Personal Reflection

This is a requirement for BCS accreditation. Comment on your personal strengths and weakness' that you are aware of as a result of completing the Final Year Project module. Where weaknesses are identified, comment on what steps you might take in the future to overcome them.

5.4.1 Knowledge Gained

I lost braincells drinking and haven't really gained any knowledge, I'm just writing a long sentence to ensure it takes up some room on this example report. I would highly recommend taking a long nap right about now.

References

Goodmans, A. (2010), *The book of examples*, Crown.

Johnson, B., Cameron, D. & Obama, B. (1992), 'The effectiveness of examples in politics'.

Lavín-Mera, P., Moreno-Ger, P. & Fernández-Manjón, B. (2008), Example of names with accents, *in* 'Proceedings of the 2008 Second IEEE International Conference on Digital Game and Intelligent Toy Enhanced Learning', DIGITEL '08, IEEE Computer Society, pp. 44–51.

Martin, B. & Pan, P. (2007), Another example, Technical Report 161, University of Sussex, SPRU - Science and Technology Policy Research.

Smith, J., Keys, J. S. & Teller, A. F. (2011), An example report, *in* '2011 IEEE International Symposium on Multimedia (ISM)', pp. 19–26.

The Royal Society (2010), 'An example showing full author title with spacing'.

A Primary Data Collection Methods

This research uses two methods for primary data collection: a questionnaire and semi-structured interviews.

A.1 Questionnaire

You know the actual survey that you might have performed.

A.2 Semi-structured interviews

Some text or insert interview transcripts here.

B Just a sample

Just a sample with some sections

B.1 Cool Report

Seriously, way cool man.

B.2 Awesome

Definite A grade, right?

C Source Code

This is where you ’dump’ any source code (not in any the chapters).