FIT5077
e-Business application and development

Unit Guide

Semester 2, 2009

The information contained in this unit guide is correct at time of publication. The University has the right to change any of the elements contained in this document at any time.

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Introduction

Welcome to FIT5077 -E-Business Application and Development - for semester 2, 2009. This is a 6 point unit available to all postgraduate degree programs in the Faculty of IT.

Unit synopsis

This unit extends students knowledge and skills to make use of current technologies in developing business applications on the internet platform. The unit provides an opportunity for students to explore net centric computing focusing on business applications development. The unit has been designed to equip future web application developers and managers of business solutions. Thus practical exercises will be illustrative with industrial strength and technology issues will be given equal coverage with technology details. The primary aim of the unit is to familiarise students with the currently popular web technologies so that their design and implementation decisions in the future will be informed and therefore produce successful systems with a high degree of probability. Topics coverage include data and messages using XML, architecture, scripting and programming in .NET platform

Learning outcomes

Upon completion of this unit, students will:

1. understand the concept of revenue modelling in eBusiness context;
2. understand OOP as principles of component based software systems;
3. appreciate technology architecture that underpin the deployment of e-business systems, including data formats and various programming solutions;
4. appreciate the use of the internet for commercial purposes;
5. realise the challenges in the planning stage of an e-business venture;
6. realise the challenges in the implementation stage of an e-business venture;
7. appreciate the dynamics of the e-business modelling;
8. appreciate the rapid advancement of enabling technologies and its impact on e-business implementation;
9. be able to identify and communicate issues in the planning, implementation and management of the e-business system;
10. be able to adopt object-oriented paradigm and implement e-business solutions using the three tier architecture;
11. be able to implement simple e-business applications for displaying catalogs and processing transactions;
12. be able to experiment with various technologies in the design and implementation of e-business applications;
13. understand the various roles of e-business professionals (analysts, designers, systems developers, programmers) and how they work together in the current e-business context.

Contact hours

3 x contact hrs/week

Workload

Workload commitments are:

* two-hour lecture and
* one-hour tutorial (or laboratory) (requiring advance preparation)
* a minimum of 2-3 hours of personal study per one hour of contact time in order to satisfy the reading and assignment expectations.
You will need to allocate up to 5 hours per week in some weeks, for use of a computer, including time for newsgroups/discussion groups.

Unit relationships

Prerequisites

FIT9004 or CSE9000 or BUS9520

Prohibitions

BUS5960

Relationships

FIT5077 is an elective unit in all FIT masters degrees.

Before attempting this unit you must have satisfactorily completed

FIT9004 or CSE9000 or BUS9520, or equivalent.

You may not study this unit and

BUS5960 B2C Internet Commerce

in your degree.
Teaching and learning method

The unit will be delivered via lectures and laboratories.
Lecture: During the lecture, your lecturer will introduce key theoretical concepts and demonstrate various approaches to database tasks. The time in lectures is quite brief, please ensure you gain the best advantage from this time by:
- Prior to the lecture -
  reading the study guide for the appropriate week, and
downloading and reading the lecture notes,
- During the lecture -
annotate a printed set of lecture notes as the lecture proceeds, and
participate, question, seek clarification
- After the lecture -
read over you notes and make sure you understand the concepts
seek help if you are unsure

Timetable information

For information on timetabling for on-campus classes please refer to MUTTS, http://mutts.monash.edu.au/MUTTS/

Tutorial allocation

On-campus students should register for tutorials/laboratories using the Allocate+ system:
http://allocate.cc.monash.edu.au/

Unit Schedule

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<th>Week</th>
<th>Topic</th>
<th>Key dates</th>
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<td>1</td>
<td>Introduction to e-Business - Trends and Implications</td>
<td>Lecture 1</td>
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<td>2</td>
<td>e-Business Strategy</td>
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<td>Server Side Technologies I</td>
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<td>Client Side Technologies I</td>
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<tr>
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<td>Client Side Technologies II</td>
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<td>Mid semester break</td>
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Unit Resources

Prescribed text(s) and readings

- Matthew MacDonald, Beginning ASP.NET 3.5 in C# 2008: From Novice to Professional

Text books are available from the Monash University Book Shops. Availability from other suppliers cannot be assured. The Bookshop orders texts in specifically for this unit. You are advised to purchase your text book early.

Recommended text(s) and readings

- Randy Connolly, Core Internet Application Development with ASP.NET 2.0, Prentice Hall, 2007
- Cristian Darie and Karli Watson, Beginning ASP.NET 2.0 E-Commerce in C# 2005: From Novice to Professional, APress, 2005

Required software and/or hardware

Microsoft Visual Studio 2008
Microsoft IIS version 5 or above

Equipment and consumables required or provided

Students studying off-campus are required to have the minimum system configuration specified by the Faculty as a condition of accepting admission, and regular Internet access. On-campus students, and those studying at supported study locations may use the facilities available in the computing labs. Information about computer use for students is available from the ITS Student Resource Guide in the Monash University Handbook. You will need to allocate up to 5 hours per week for use of a computer, including time for newsgroups/discussion groups.

Study resources

Study resources we will provide for your study are:

* Weekly detailed lecture notes outlining the learning objectives, discussion of the content, required readings and exercises;
* Weekly tutorial or laboratory tasks and exercises with sample solutions provided one to two weeks later;
* Assignment specifications and sample solutions;
* A sample examination and suggested solution
* This Unit Guide outlining the administrative information for the unit;
* The unit web site on MUSO, where resources outlined above will be made available.
Assessment

Overview

Test/assignments: 40%
Exam 60%

Faculty assessment policy

To pass a unit which includes an examination as part of the assessment a student must obtain:

- 40% or more in the unit's examination, and
- 40% or more in the unit's total non-examination assessment, and
- an overall unit mark of 50% or more.

If a student does not achieve 40% or more in the unit examination or the unit non-examination total assessment, and the total mark for the unit is greater than 44% then a mark of no greater than 44-N will be recorded for the unit.

To pass this unit, a student must obtain:

* 40% or more in the unit's examination and
* 40% or more in the unit's non-examination assessment
and
* an overall unit mark of 50% or more

If a student does not achieve 40% or more in the unit examination or the unit non-examination assessment then a mark of no greater than 44-N will be recorded for the unit.

Assignment tasks

Assignment coversheets

Assignment coversheets are available via "Student Forms" on the Faculty website:
http://www.infotech.monash.edu.au/resources/student/forms/
You MUST submit a completed coversheet with all assignments, ensuring that the plagiarism declaration section is signed.

Assignment submission and return procedures, and assessment criteria will be specified with each assignment.

- Assignment task 1

  Title:
  Assignment 1 (Individual)

  Description:
  Assignment specification will be handed out in lectures and also be available on blackboard

  Weighting:
  15%

  Due date:
Assignment task 2

Title:
Assignment 2 (Group/ Individual)

Description:
Assignment specification will be handed out in lectures and also be available on blackboard

Weighting:
25%

Due date:

Examination

• Weighting: 60%
Length: 3 hours
Type (open/closed book): Closed book

See Appendix for End of semester special consideration / deferred exams process.

Due dates and extensions

Please make every effort to submit work by the due dates. It is your responsibility to structure your study program around assignment deadlines, family, work and other commitments. Factors such as normal work pressures, vacations, etc. are not regarded as appropriate reasons for granting extensions. Students are advised to NOT assume that granting of an extension is a matter of course.

Students requesting an extension for any assessment during semester (eg. Assignments, tests or presentations) are required to submit a Special Consideration application form (in-semester exam/assessment task), along with original copies of supporting documentation, directly to their lecturer within two working days before the assessment submission deadline. Lecturers will provide specific outcomes directly to students via email within 2 working days. The lecturer reserves the right to refuse late applications.

A copy of the email or other written communication of an extension must be attached to the assignment submission.

Refer to the Faculty Special consideration webpage or further details and to access application forms: http://www.infotech.monash.edu.au/resources/student/equity/special-consideration.html

Late assignment

Assignments received after the due date will be subject to a penalty of 5% per day, including weekends. Assignments received later than one week (seven days) after the due date will not normally be accepted.

Return dates

Students can expect assignments to be returned within two weeks of the submission date or after receipt, whichever is later.
Appendix

Please visit the following URL: http://www.infotech.monash.edu.au/units/appendix.html for further information about:

- Continuous improvement
- Unit evaluations
- Communication, participation and feedback
- Library access
- Monash University Studies Online (MUSO)
- Plagiarism, cheating and collusion
- Register of counselling about plagiarism
- Non-discriminatory language
- Students with disability
- End of semester special consideration / deferred exams