FIT5077
e-Business application and development

Unit Guide

Semester 1, 2011

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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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.

Mode of Delivery

- Caulfield (Day)
- Gippsland (Off-campus)

Contact Hours

2 hrs lectures/wk, 1 hr laboratory/wk

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.

Off-campus students generally do not attend lecture and tutorial sessions, however, you should plan to spend equivalent time working through the relevant resources and participating in discussion groups each week.

Unit Relationships

Prohibitions

BUS5960

Prerequisites

For MAIT students: FIT9017, FIT9019 and FIT9030
For all other students: FIT9003 and FIT9004
Learning Objectives

At the completion of this unit students will:

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

Graduate Attributes

Monash prepares its graduates to be:

1. responsible and effective global citizens who:
   
a. engage in an internationalised world
b. exhibit cross-cultural competence
c. demonstrate ethical values
critical and creative scholars who:

a. produce innovative solutions to problems
b. apply research skills to a range of challenges
c. communicate perceptively and effectively

Assessment Summary

Examination (3 hours): 60%; In-semester assessment: 40%

<table>
<thead>
<tr>
<th>Assessment Task</th>
<th>Value</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment 1</td>
<td>15%</td>
<td>Week 6 - due date and submission requirements will be advised in assignment specification</td>
</tr>
<tr>
<td>Assignment 2</td>
<td>25%</td>
<td>Week 12 - due date and submission requirements will be advised in assignment specification</td>
</tr>
<tr>
<td>Examination 1</td>
<td>60%</td>
<td>To be advised</td>
</tr>
</tbody>
</table>

Teaching Approach

Lecture and tutorials or problem classes

This teaching and learning approach provides facilitated learning, practical exploration and peer learning.

Feedback

Our feedback to You

Types of feedback you can expect to receive in this unit are:

- Graded assignments with comments

Your feedback to Us

Monash is committed to excellence in education and regularly seeks feedback from students, employers and staff. One of the key formal ways students have to provide feedback is through SETU, Student Evaluation of Teacher and Unit. The University's student evaluation policy requires that every unit is evaluated each year. Students are strongly encouraged to complete the surveys. The feedback is anonymous and provides the Faculty with evidence of aspects that students are satisfied and areas for improvement.

For more information on Monash's educational strategy, and on student evaluations, see:
http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html
Previous Student Evaluations of this unit

If you wish to view how previous students rated this unit, please go to https://emuapps.monash.edu.au/unitevaluations/index.jsp

Required Resources

Microsoft Visual Studio 2010

Microsoft IIS version 5 or above

Both are freely available to students in the computer labs at Caulfield campus and for download

Unit Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Activities</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>21/02/11</td>
<td>No formal assessment or activities are undertaken in week 0.</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>28/02/11</td>
<td>Introduction to e-Business - Trends and Implications</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>07/03/11</td>
<td>e-Business Strategy</td>
<td></td>
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<tr>
<td>3</td>
<td>14/03/11</td>
<td>Designing an e-Business Solution</td>
<td></td>
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<tr>
<td>4</td>
<td>21/03/11</td>
<td>e-Business Implementation Technologies</td>
<td></td>
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<tr>
<td>5</td>
<td>28/03/11</td>
<td>Server Side Technologies I</td>
<td></td>
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<tr>
<td>6</td>
<td>04/04/11</td>
<td>Server Side Technologies II</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>11/04/11</td>
<td>Server Side Technologies III</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>18/04/11</td>
<td>Server Side Technologies IV</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>02/05/11</td>
<td>Mid semester break</td>
<td></td>
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<tr>
<td>10</td>
<td>09/05/11</td>
<td>Cascading Style Sheets</td>
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<td>11</td>
<td>16/05/11</td>
<td>Web Services</td>
<td></td>
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<tr>
<td>12</td>
<td>23/05/11</td>
<td>Navigation with Sitemaps</td>
<td></td>
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<td></td>
<td>30/05/11</td>
<td>Research and Development</td>
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<td>SWOT VAC</td>
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*Please note that these dates may only apply to Australian campuses of Monash University. Off-shore students need to check the dates with their unit leader.

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 50% then a mark of no greater than 49-N will be recorded for the unit.

Assessment Tasks

Participation

• Assessment task 1

  Title: Assignment 1

  Description: This is a written research paper on a specified topic. Details will be available on release of assignment specification.

  Weighting: 15%

  Criteria for assessment:

  Due date: Week 6 - due date and submission requirements will be advised in assignment specification

• Assessment task 2

  Title: Assignment 2

  Description: This assignment is a practical programming assignment implemented using ASP.NET. Details will be available on release of assignment specification.

  Weighting: 25%

  Criteria for assessment:

  Due date: Week 12 - due date and submission requirements will be advised in assignment specification

Examinations

• Examination 1

  Weighting: 60%

  Length: 3 hours

  Type (open/closed book): Closed book

  Electronic devices allowed in the exam: None
Assignment submission

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.

Extensions and penalties

Submission must be made by the due date otherwise penalties will be enforced.

You must negotiate any extensions formally with your campus unit leader via the in-semester special consideration process:

Returning assignments

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

Policies

Monash has educational policies, procedures and guidelines, which are designed to ensure that staff and students are aware of the University's academic standards, and to provide advice on how they might uphold them. You can find Monash's Education Policies at:

Key educational policies include:

- Plagiarism
  (http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-policy.html)
- Assessment
- Special Consideration
  (http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.html)
- Grading Scale
  (http://www.policy.monash.edu/policy-bank/academic/education/assessment/grading-scale-policy.html)
- Discipline: Student Policy
  (http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-discipline-policy.html)
- Academic Calendar and Semesters (http://www.monash.edu.au/students/key-dates/)
- and
- Academic and Administrative Complaints and Grievances Policy
  (http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy.html)

Student services

The University provides many different kinds of support services for you. Contact your tutor if you need advice and see the range of services available at www.monash.edu.au/students The Monash University Library provides a range of services and resources that enable you to save time and be more effective in your learning and research. Go to http://www.lib.monash.edu.au or the library tab in my.monash portal
for more information. Students who have a disability or medical condition are welcome to contact the Disability Liaison Unit to discuss academic support services. Disability Liaison Officers (DLOs) visit all Victorian campuses on a regular basis

- Website: http://adm.monash.edu/sss/equity-diversity/disability-liaison/index.html;
- Telephone: 03 9905 5704 to book an appointment with a DLO;
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus.

- Matthew MacDonald, Beginning ASP.NET 3.5 in C# 2008: From Novice to Professional (Available as an electronic resource)