



Marsden State High School

Business Education- 11 IPT

Semester
1, 2009
Date Given
Due Date

Name:	
Form:	
Teacher:	Watt
Head of Department:	Furlan

Assessment: Extended Written/Practical/Oral no: 1

Task Conditions:

- Work individually
- Prepare practical solution to client request
- Network with IT Suppliers
- 3 weeks class time provided for Proposal
- Hard copy to be submitted
- (1200-1500 words) Indication only
- Script for oral pitch
- Visual Presentation (PowerPoint/Movie/Posters)

School Assessment Policy:

This item must be submitted no later than 5 days after the week beginning date as teacher feedback (given as part of the learning process) will invalidate this assessment. Failure to do so will result in a Non-submission.

Unit:

Computer Systems & Operating systems

Knowledge
Research & Development

Case/Context

Finaxial is a new Brisbane based mortgage lending organisation which employs 20 staff. They run an office from a shopfront which has a flat above it. The company Manager Pat Fitzgerald lives in the flat and cares for his disabled son. Only 6 staff work at the office, while 13 other staff are mobile; meeting clients at their homes to process loan applications. Finance applications are processed using a database which resides on hard drives and synchronises with the main database when connected to the internet. Jobs are logged on an online database, but customer information needs to be stored on a server.

Three years ago Pat gave each employee \$2000.00 to buy a computer of their choice and an allowance of \$50.00 per month to set up the internet at home. Many of the staff bought cheap 1 GB laptops with XP operating systems. They had insufficient processing power to run the databases. Internet connection was an issue for many of the staff as they lived in areas including Forest Lake and Springfield and the only service available was wireless. Connection was slow and drop outs occurred frequently. One staff members account was breached by a neighbour. Two staff bought desktops which were stored at their home office, which made mobile applications difficult and inefficient. Four of the staff bought Apple Notebooks which were incompatible with the databases. At the office, only one computer stores customer information. The information centralised for security reasons. Staff complain that the lack of access is frustrating and annoying.

Recently Finaxial has decided to expand operations setting up an Office at the Gold Coast. Pat has decided that a major overhaul of the current system needs to occur before the expansion begins. He is interested in laptops and PDAs but knows very little about technology.

Pat has invited your company "Technode" to submit a proposal/ tender for the new system. You are required to pitch your proposal for the board of directors.

Task

(1200-1500 words) Indication only

1) You are required to prepare a professional proposal including the following:

- Title Page
- Index Page
- Our Company Description
- Overview of the current system
- Analysis of current systems operation- Why should this system be overhauled
- Overview of the proposed system requirements
- Description of system components
- Proposed System Hardware
- Proposed System Operating System
- Proposed System Software/ Firewall/ Security
- Proposed System Architecture/Configuration
- Typology and Layout of Network
- Diagrammatic Representation of the system
- Pictures of components
- An analysis of the benefits and disadvantages of this System
- Warranty/ technical Support
- Costing
- Ongoing Service Fees
- Total Price
- Alternative Options
- Appendices

2) You are required to prepare a professional pitch for the client including:

- Full Script
- Visual Aides (PowerPoint/Movie/Flash/Posters)

Criteria Sheet

Criteria	A	B	C	D	E
<p>Knowledge Declarative knowledge The student is able to recall and understand key concepts, principles and terminology relating to computer systems architecture. The student is able to identify, explain and give examples of relevant facts/ ideas/ concepts.</p>	The student recalls and comprehensively explains a wide range of facts, terms, methods, concepts and principles, demonstrating thorough understanding.	The student recalls, describes and explains a substantial range of facts, terms, methods, concepts and principles, demonstrating understanding.	The student recalls and describes facts and terms and explains methods, demonstrating understanding.	The student recalls and describes some facts and terms and applies knowledge demonstrate some understanding of key facts.	The student recalls very few facts and terms.
<p>Research & development Analysis The student is able to analyse the case study drawing on relevant research theory and ideas relating to computer systems architecture. The student applies knowledge by making assumptions, drawing conclusions and producing a reasoned response. The student is able to distinguish fact from hypothesis or inference, relevant from extraneous, dominant from subordinate.</p>	The student analyses case from multiple perspectives and determines the social and ethical implications of the case. The student evaluates with detailed justification to make informed judgments about the interaction between information technology and the individual and society.	The student analyses problems and determines the social and ethical implications of the case. The student evaluates with justification to make informed judgments about the interaction between information technology and the individual and society.	The student identifies, classifies and determines the social and ethical implications of the case. The student evaluates with some justification to make judgments about the interaction between information technology and the individual and society.	The student identifies and attempts to determine the social and ethical implications of the case. The student uses limited justification to make judgements about the case.	The student has attempted to identify the social and ethical implications within the case. The student has not attempted to use justification.
<p>Research & development Evaluation The student is able to evaluate the case study and draw conclusions regarding client needs and develop a working solution. The response is supported by research and up to date information. The paper compares and contrasts different options and justifies decisions relating to systems configuration.</p>					
<p>Communication The student demonstrates a comprehension and representation of technical ideas, design concepts and evaluations. The student has used appropriate vocabulary, format and layout.. The oral presentation has chosen an appropriate use of media, language and format which is appropriate to the task and audience.</p>	The student uses correct functional grammar and spelling and a wide range of appropriate vocabulary. They communicate ideas, concepts, solutions and evaluations clearly and cohesively, harnessing appropriate genre to target specific audiences.	The student uses correct functional grammar and spelling and a wide range of appropriate vocabulary. They communicate ideas, concepts, solutions and evaluations clearly, targeting specific audiences.	The student uses functional grammar and spelling and a range of appropriate vocabulary. They communicate ideas, concepts, solutions and evaluations.	The student uses functional grammar, spelling and vocabulary. They communicate some ideas, concepts, solutions and evaluations.	The student uses some functional grammar, spelling and vocabulary. They communicate limited ideas, concepts, solutions and evaluations.