



INTERNATIONAL ADVANCED DIPLOMA IN NETWORK ENGINEERING

**INTRANET TECHNOLOGIES & ARCHITECTURE (CNW203)
ASSIGNMENT
TERM 3 2013**

Student declaration:

I declare that:

- *I understand what is meant by plagiarism*
- *The implication of plagiarism has been explained to me by my institution*
- *This assignment is all my own work and I have acknowledged any use of the published and unpublished works of other people.*

Student's signature:.....

Date:.....

Total number of pages including this cover page		
Submission Date		Due Date
Students' ID		Class Code
Student's Full Name		
Lecturer's Name		

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Marker's comments		
Marker's name	Initial marks awarded	/100
	Penalty on late submission	
	Penalty for plagiarism	
	Final marks awarded	/100

Name of Student : _____

Student ID : _____

Module Code : CNW203

Criteria	Base Mark	Graded Mark	Comments
Provide a brief introduction about the WAP technology.	10 Marks		
With the aid of a diagram explain the WAP architecture.	10 Marks		
Discuss about the services and applications supported by WAP.	10 Marks		
Discuss why WAP is a standardized technology for cross-platforms and distributed computing.	15 Marks		
Discuss the importance of WAP.	10 Marks		
Discuss about the Wireless Markup Language (WML) which is the WAP protocol for wireless Internet access.	10 Marks		
Discuss what the future holds for WAP.	20 Marks		
Relevance of the issues discussed/Explanations/Completeness/Diagrams and presentation and appropriate referencing.	15 Marks		
Total	100 Marks		

Instructions to Students:

1. Complete the cover sheet (page1), which forms the first page of your assignment submission.
2. The assessment criteria includes:
 - (a) Content of Work. This includes the amount of research done to provide accurate and credible information necessary for this assignment.
 - (b) Creativity, Originality and Style of Work. This refers to the uniqueness and artistic element of the final assignment.
 - (c) Presentation of the Final Assignment. This refers to the clarity, organization and final project.
3. Independent research on the relevant topic area is encouraged. Work that demonstrates an in-depth analysis of the question and that provides a coherent answer will be awarded a higher grade compared to that which simply regurgitates answers from the texts.
4. To avoid plagiarism please:
 - paraphrasing work rather than 'cut & paste'
 - include citation in your work
 - include a reference list in the work you submit

Please note that your work will be submitted to detection software and if work is found to have been plagiarized, your work will be penalized. The following is a guide that will be used when penalizing work:

Amount of plagiarized material	Marks reduction	
	No attribution made	Inadequate attribution made
Less than 20%	No reduction	No reduction
Less than 20% is a guide used to accommodate the limitation of the software i.e. assignment questions submitted which creates an increase in the SI index. Students are reminded to paraphrase, cite your work with proper referencing.		
Between 21 % and 50%	Reduce marks by 50% (Divide marks by 2)	Reduce marks by 25% (Multiply marks by $\frac{3}{4}$)
Between 51% and 70%	Reduce marks by 67% (Divide marks by 3)	Reduce marks by 50% (Divide marks by 2)
Between 71% and 80%	Reduce marks by 75% (Divide marks by 4)	Reduce marks by 67% (Divide marks by 3)
Over 80%	Reduce to zero	Reduce marks by 75% (Divide marks by 4)

5. The word limit for this assignment is 2,000 words.
6. A minimum of three (3) references from academic journals are required aside from the textbook of the course.
7. The document must include page number; use Times New Roman Font (Size 12) with top, bottom margins of 1” and right, left margins of 1.25” and with ‘Justify’ alignment.
8. The assignment should be organized as follows:
 - (a) Cover Page. (found on the first page of this questions paper)
 - (b) Table of Contents.
 - (c) Main body of the assignment. (This should observe the given word count limit)

(d) References: Example:

- Berko, R., Rosenfeld, L., and Samovar, L. (1997), Connecting, Harcourt Brace & Company, USA.

Complete the mark criteria list with your name and id and submit it together in your assignment.

9. Assignments must be presented in hard copy with CD well secured in the hardcopy. The CD should contain the following documents: Softcopy of the assignment that is submitted and the plagiarism report. Retain a photocopy of your course assignment.
10. Complete your assignment and hand it in by: 10th Lesson
11. Lecturer has the discretion of applying a penalty of 20% for late submission.
12. For Singapore & IGC student, submission of CW will be accepted by lecturer in soft copy. CW file name **must** save in this format: **Module Code_Student ID_CW1 (e.g. BA601_01360000123_CW1)**. CW submitted with incorrect file name will not be marked and graded.

ASSIGNMENT QUESTIONS:

Intranet Technologies and Architecture

WAP is the de facto worldwide standard for providing Internet communications and advanced telephony services on digital mobile phones, pagers, personal digital assistants and other wireless terminals.

The main objective of this assignment is to examine the Wireless Application Protocol (WAP) architecture and issues relating to the future of WAP where candidates need to carry out research relating to current areas of interest within WAP Forum.

For this assignment the students should discuss at least the below mentioned points in some substantive length.

- Provide a brief introduction about the WAP technology.
- With the aid of a diagram explain the WAP architecture.
- Discuss about the services and applications supported by WAP.
- Discuss why WAP is a standardized technology for cross-platforms and distributed computing.
- Discuss the importance of WAP.
- Discuss about the Wireless Markup Language (WML) which is the WAP protocol for wireless Internet access.
- Discuss what the future holds for WAP.

Guidelines:

- The total number of words for the report is 2000 words.
- Include bibliographies for each justification.
- Students are encourage to surf the Internet using any search engines, computer magazines, computer/business/IT journals to further enhance the quality of this assignment
- Font size is 12 point, Font type: New Times Roman, 1.5 line spacing, one inch border from all paper sides and use A4 paper size.

Points to note:

1. Marks will be awarded based on the completeness of the report as well as the student's ability to demonstrate understanding of the contents.

Therefore, while marks will be more generously awarded for the complex application suggested above, students must be able to demonstrate a level of understanding in the system and processes employed.

2. The text in the report **MUST** be appropriately referenced. This can be done by providing a list of references as an appendix, and the sections in the report cross referencing the entries in appendix. Failure to do this will result in heavy penalties being imposed.
3. The contents of the report must be written in students' own words. Any attempt to copy material without interpretation will result in a failing grade.
4. Material extracted from web pages should be attached as appendices so that the marker can verify the validity of the contents. Failure to do so will result in marks being deducted.

Other General Guidelines

1. Indicate all references, e.g. Web-site URL or reference books, used in the preparation of the assignment.

Students are to indicate the following items of information in referencing:

- Author of the reference
- Title of the reference
- Publisher
- Edition

- Year of edition
- Pages to which information was taken from.

An example of such a referencing would be as follows:

[PRE97] Pressman, Roger S., *Software Engineering: A Practitioner's Approach (4th Edition)*, McGraw-Hill International Editions, 1997. Pages 400 to 405.

If you are drawing information from a website, indicate the following:

- Website URL
- Title of URL
- Author of URL/Publisher of URL
- Year of last modification

[TAT97] Tate, Debi (1997). *NT Firewalls take charge of network*. LAN Times Online.
<http://www.lantimes.com/97/97aug/708a005a.html>

Marks will be deducted for improper or inadequate referencing.

2. Plagiarism, i.e. copying and treating it off as original material, particularly for Sections B and C, *will* result in your entire assignment being awarded zero marks. In the event that quotations from various published works are used, you are to indicate the reference behind the quotation.
3. The marks indicated behind each question part of the assignment are indications of the weight of your answer. You should correspondingly accord more attention to the parts that have been allocated more marks.

- END OF ASSIGNMENT -