



INDIVIDUAL ASSIGNMENT 2

COURSE CODE : DDWD 3343
COURSE NAME : COMPUTER SECURITY
YEAR / PROGRAMME : 3 DDWD
SUBMISSION :

INSTRUCTION / ARAHAN:

1. THIS ASSESSMENT WILL CONTRIBUTE 5% OF THE ASSESSMENT.
2. PLEASE SUBMIT THIS LAB SKILL IN FORM OF PDF (SOFTCOPY) / A4 PAPER SIZE (HARDCOPY)
3. MAKE SURE TO COMPLETE ALL ASSESSMENT
4. PLEASE FOLLOW THE FORMAT:
 - a. TIMES NEW ROMAN FONT SIZE 12.
 - b. SPACING 1.5.
 - c. JUSTIFY ALIGNMENT THE PARAGRAPH.
5. THE FAILURE FOLLOWING THE REQUIREMENT WILL CAUSE LOSING MARK
6. PLEASE FOLLOW THE RUBRIC ASSESSMENT:

CRITERIA	4 POINTS	3 POINTS	2 POINTS	1 POINTS
SUBMISSION FORMAT [/4]	FOLLOW ALL FORMAT INSTRUCTION	DID NOT FOLLOW 1-2 OF THE FORMATS	DID NOT FOLLOW 2-3 OF THE FORMATS	NOT MAINTAINING THE TIDY OF THE TASK
UNDERSTANDING VALUE [/4]	ABLE TO UNDERSTAND THE BASIC CONCEPT OF SECURITY, GIVING EXAMPLE AND RELATE TO THE THREAT BY EXPLAINING HOW TO SOLVE THE PROBLEM	ABLE TO UNDERSTAND THE BASIC CONCEPT OF SECURITY, GIVING EXAMPLE AND RELATE TO THE THREAT AND HOW TO SOLVE THE PROBLEM	ABLE TO UNDERSTAND THE BASIC CONCEPT OF SECURITY, GIVING EXAMPLE THAT RELATE TO THE TOPIC.	ABLE TO UNDERSTAND THE BASIC CONCEPT OF SECURITY AND LIST THE EXAMPLE.
ANSWER ELABORATION [/4]	STUDENT ABLE TO ANSWER ALL QUESTION GIVEN, DISCUSS AND ELABORATE THE ISSUE, RELATE TO THE CURRENT SITUATION, AND COMPARE TO OTHER ALTERNATIVE SOLUTION OR ISSUE.	STUDENT ABLE TO ANSWER ALL QUESTION GIVEN STUDENT ABLE TO ELABORATE THE ISSUE, RELATE TO THE CURRENT SITUATION, AND COMPARE TO OTHER ALTERNATIVE SOLUTION OR ISSUE.	STUDENT ABLE TO ANSWER ALL QUESTION GIVEN, ELABORATE THE ISSUE, RELATE TO THE CURRENT SITUATION, AND LIST TO OTHER ALTERNATIVE SOLUTION OR ISSUE.	STUDENT ABLE TO ANSWER ALL QUESTION GIVEN ELABORATE THE ISSUE, AND LIST TO OTHER ALTERNATIVE SOLUTION OR ISSUE.
EXAMPLE PROVIDE AND DISCUSSION [/4]	STUDENT ABLE TO LIST AT LEAST 2 EXAMPLE THAT CONTAINS PRO AND CONS OF THE SITUATION, EXPLAIN THE EXAMPLE THAT RELATE TO THE CURRENT SITUATION.	STUDENT ABLE TO LIST AT LEAST 2 EXAMPLE THAT CONTAINS PRO AND CONS OF THE SITUATION AND EXPLAIN THE EXAMPLE.	STUDENT ABLE TO LIST 1 EXAMPLE THAT CONTAINS PRO AND CONS OF THE SITUATION AND EXPLAIN THE EXAMPLE.	STUDENT ABLE TO LIST 1 EXAMPLE THAT CONTAINS PRO AND CONS OF THE SITUATION
PLAGIARISM [/4]	NO PLAGIARISM DETECT (ORIGINALLY FORM STUDENT)	1- 20% PLAGIARISM DETECTED	21-50% PLAGIARISM DETECTED	>50% PLAGIARISM

STUDENT NAME:	DAYANG NUR NAZIHAH BINTI M ROSLAN
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INSTRUCTION: ANSWER ALL QUESTIONS

CHAPTER 4:

1. Explain protection features provided by general purpose operating systems that is protecting memory, files and the execution environment in term of Security breaches, Security goals, Protected objects of the general-purpose operating system and Protection of objects.
2. Differentiate control access methods provided by the operating system.
3. Explain the mechanism of authentication. Discuss the best way to protect our data using the authentication.

CHAPTER 5:

1. Discuss and explain the integrity for databases: record integrity, data correctness, update integrity implemented in a big data company. Student may use any example of data company to explain the mechanism.
2. Explain and visualize the security for databases: access control, inference, and aggregation
3. Explain Multilevel secure databases: partitioned, cryptographically sealed and filtered.
4. What s data mining? Explain and give the application example of data mining.

CHAPTER 6:

1. Networks vs. stand-alone applications and environments: difference and similarities
2. List all threats against networked applications, including denial of service, web site defacements, malicious mobile code, and protocol attacks
3. List and discuss controls against network attacks: physical security, policies and procedures, and a range of technical controls that implement in industry nowadays.
4. What are Firewalls? Discuss the design, capabilities and the limitation of firewall.
5. What is intrusion detection systems? How IDS work? Discuss the vulnerabilities of IDS and the mechanism to improve the weakness.
1. List all 10 port and protocol available in network. Discuss the function of port and the possibilities of threat in the network by port. Suggest the way to improve the security measure and precaution of port.