Cyber Security
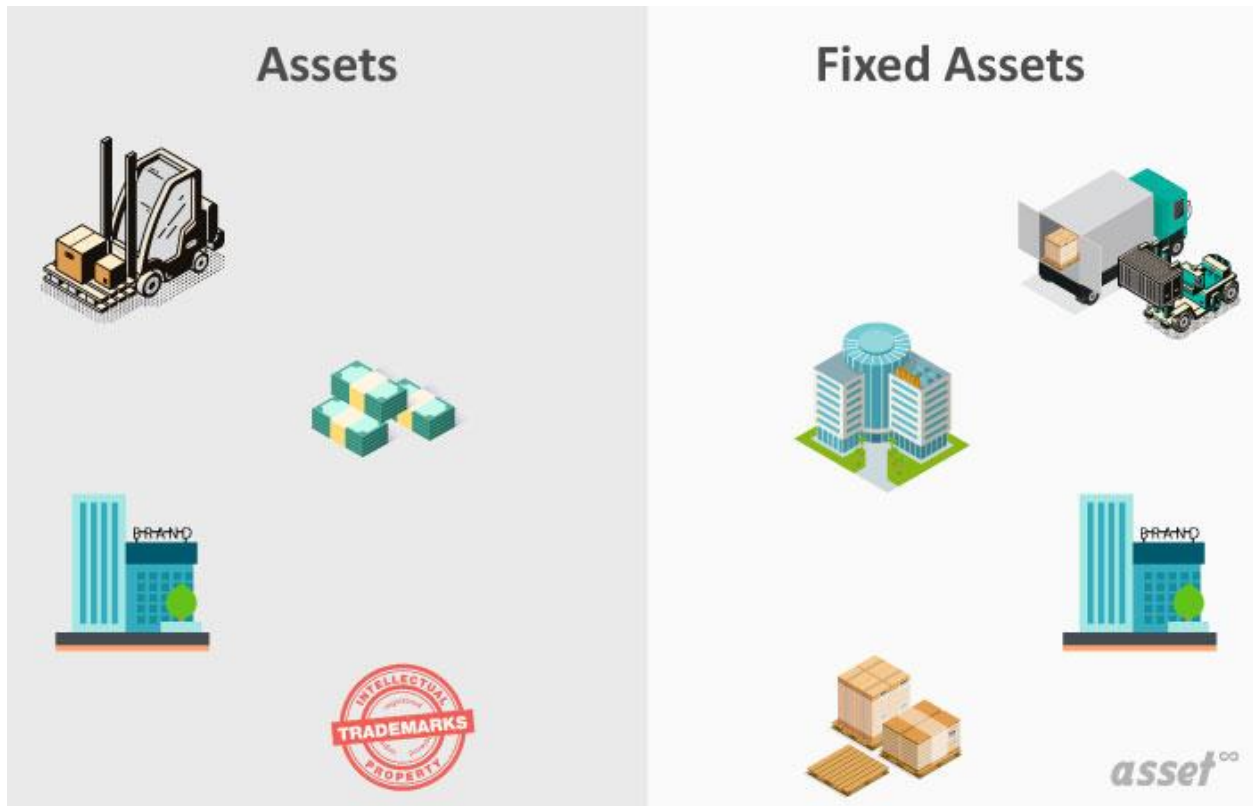
Capstone Project: Threat Modeling
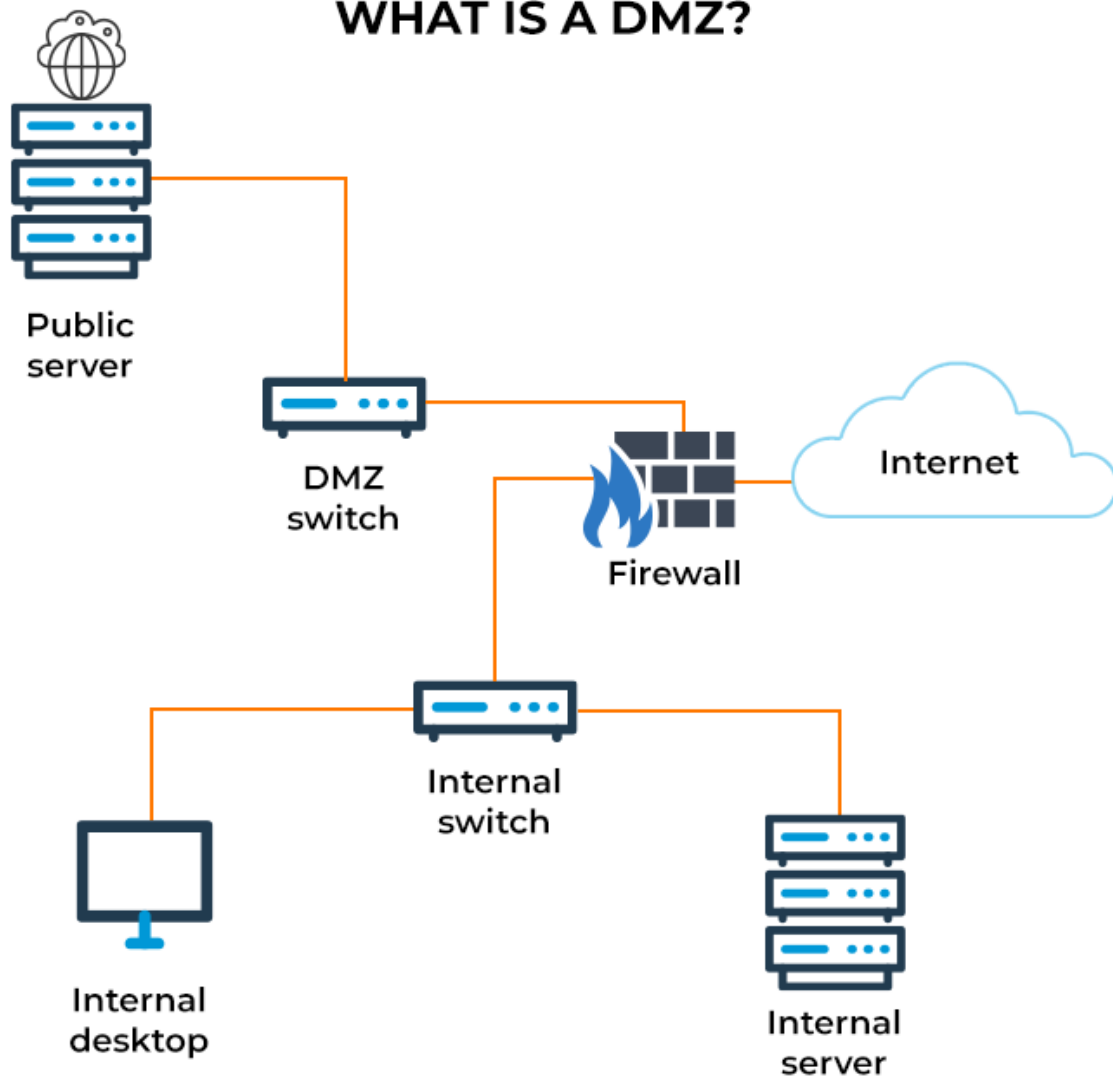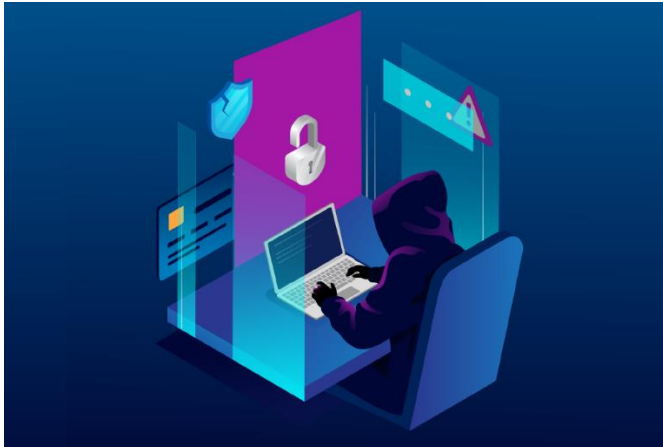
TASK 2
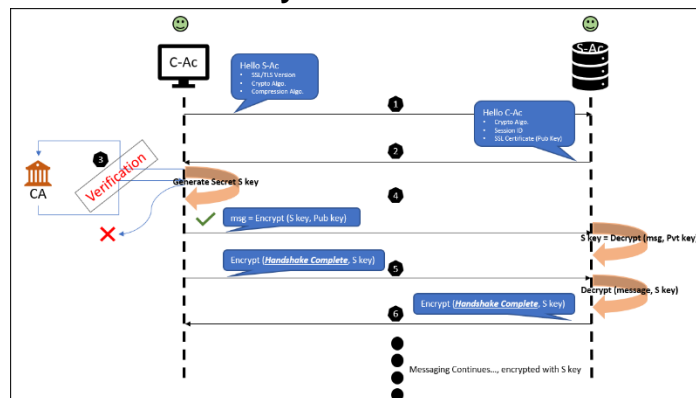

THIS ALL THREATS FOR BUSSINESS !!

TASK 3

WHAT IS A DMZ?

TASK 4

Cyber Threats

SSL/TLS SECURE CONNECTION

TASK 5,6,7,8

Risk rating		Likelihood				
		Almost certain	Likely	Possible	Unlikely	Rare
Consequence	Serious	Extreme	Extreme	Extreme	High	Medium
	Major	Extreme	Extreme	High	Medium	Medium
	Moderate	Extreme	High	Medium	Medium	Low
	Minor	High	Medium	Medium	Low	Low
	Low	Medium	Medium	Low	Low	Low

Spoofing	⟷	Authentication
Tampering	⟷	Integrity
Repudiation	⟷	Auditability
Information Disclosure	⟷	Confidentiality
DoS	⟷	Availability
Elevation of Privilege	⟷	Authorization
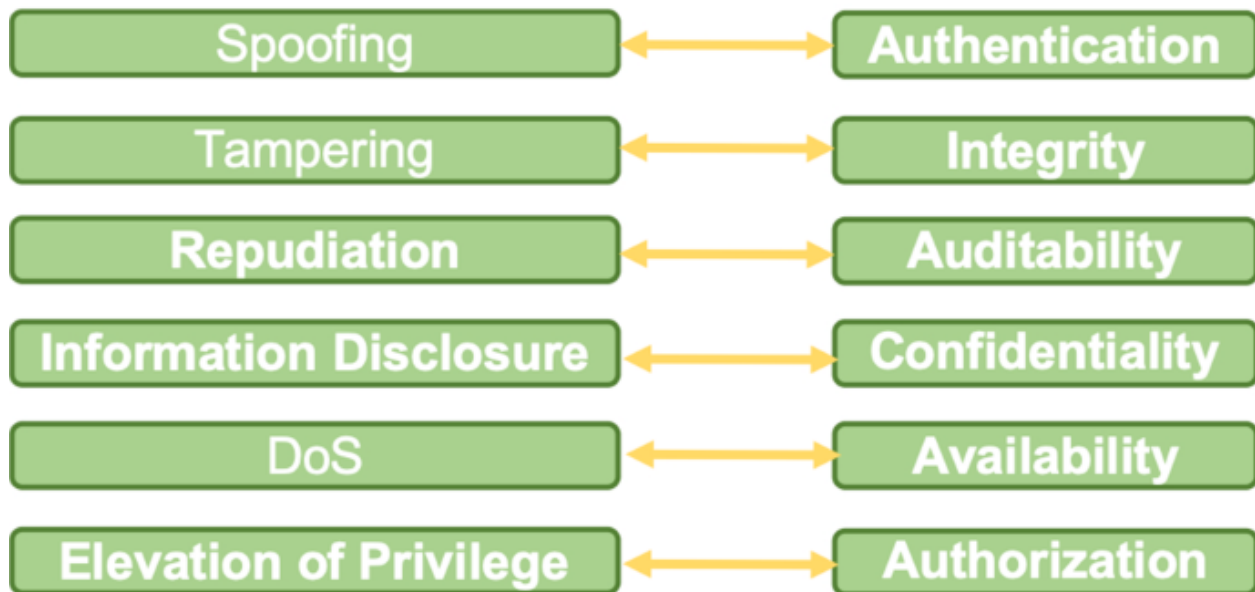
Security objectives - addressing STRIDE threats

Secure identity	S	Confidentiality
	I	Binding & Secure storage
Secure boot & Firmware update	T	Integrity / Authenticity / Secure State / Availability
	D	Defense in depth
Secure audit	R	Non-repudiation
	E	Security lifecycle
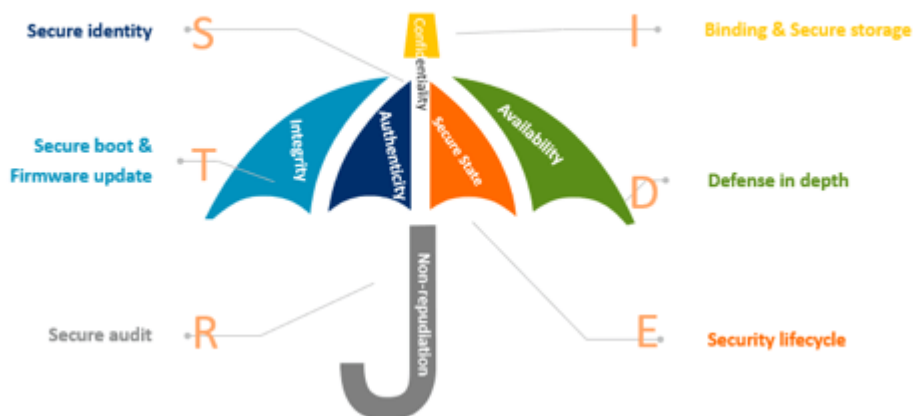
5x5 Risk Matrix

Severity ⟶

	1 Insignificant	**2** Minor	**3** Moderate	**4** Major	**5** Death
1 Rare	1	2	3	4	5
2 Unlikely	2	4	6	8	10
3 Possible	3	6	9	12	15
4 Likely	4	8	12	16	20
5 Certain	5	10	15	20	25

Likelihood ⟶

THREAT LEVELS

Enter your sub headline here

Elevated
Sample text goes here

High
Sample text goes here

Guarded
Sample text goes here

Severe
Sample text goes here

Low
Sample text goes here