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OBLIGER 1 — Applied security

Identify a couple of values in this scenario. Can you imagine values that are more important to a student than a teacher, and vice versa? Explain briefly, with examples. Also, name a couple of likely threat actors.

As for a student, values that are important include learning, and enjoying the learning materials. For a teacher, values that are important are that a student passes the course without cheating, while getting good grades. This means that a student would rather take their time to get a good understanding of the curricula, and fail their test because of this, or because the sensor has a different meaning or understanding.

For a teacher, this means that their students get a poorer grade than they might deserve.

Threat actors that might interfere are that a student loses the opportunity to learn at their own pace. A student might also cheat, so a teacher will give a score that a student doesn't deserve. \Box

CIT-services (confidentiality, integrity and accessibility) are essential features of information security. For each of them, consider the importance as well asthings that may go wrong. That is, what may represent a threat or danger to each security objective.

Give two general security controls that in this case can help to achieve a) Confidentiality b)

Integrity

Explain the role of accountability and authentication. Would you recommend prioritizing these security goals (security services/properties) in our case? Justify your answer.

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