Security Requirements

MODULE

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Description

This module introduces the basic concepts of security requirements. It discusses different security requirements for satisfying different security goals, and abuse case development. Students will be given scenarios of attacks, and analyze the security requirements that could prevent attacks. Students will also learn to create abuse cases based on CAPEC attack patterns.

Outcomes

evaluate and synthesize

Students will be able to create abuse cases based on software requirements specification and CAPEC attack patterns

remember and understand

Students will be able to explain the concept of abuse cases

remember and understand

Students will be able to explain different security requirements

evaluate and synthesize

Students will be able to develop security requirements an application should have to prevent attacks and suggest mitigation strategies