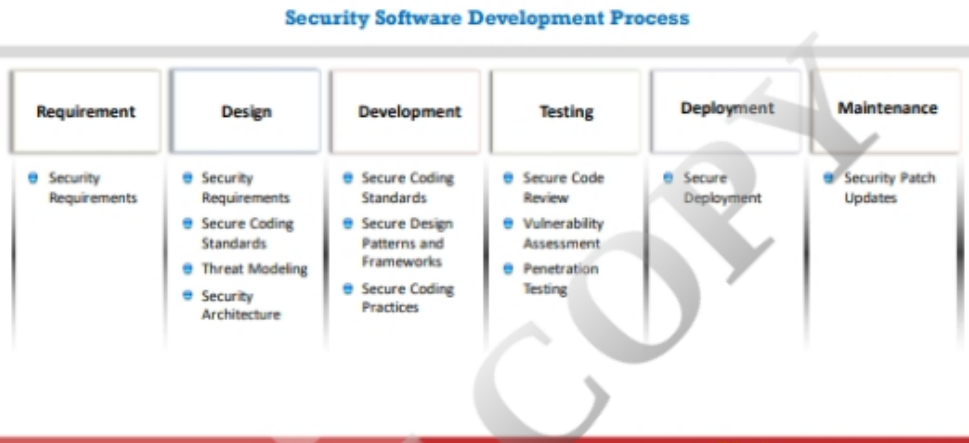
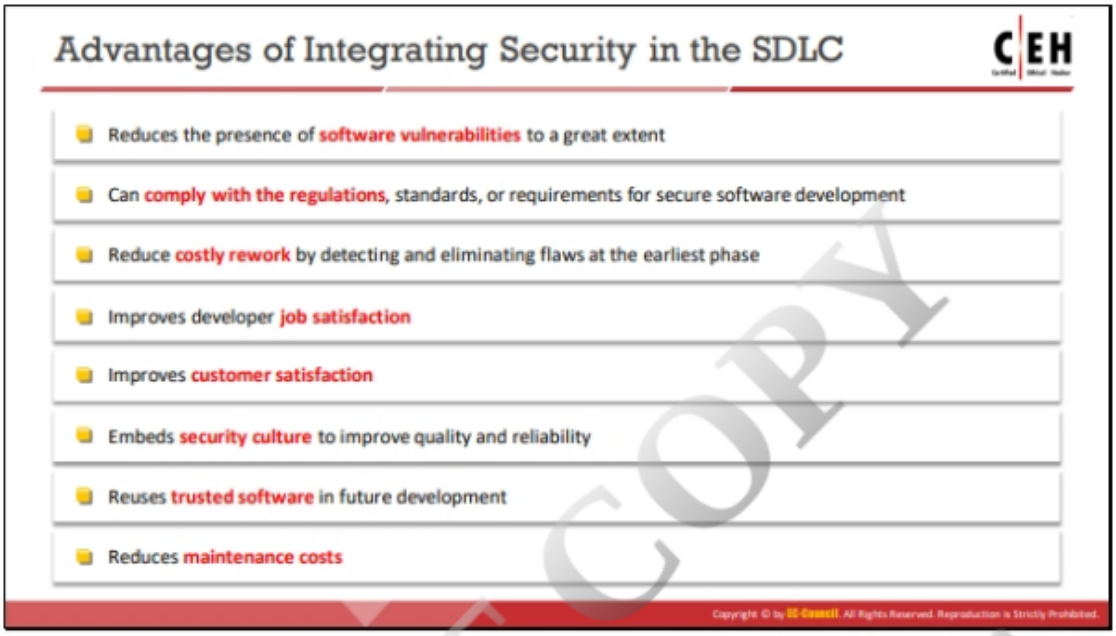
Integrating Security in the Software Development Life Cycle (SDLC)

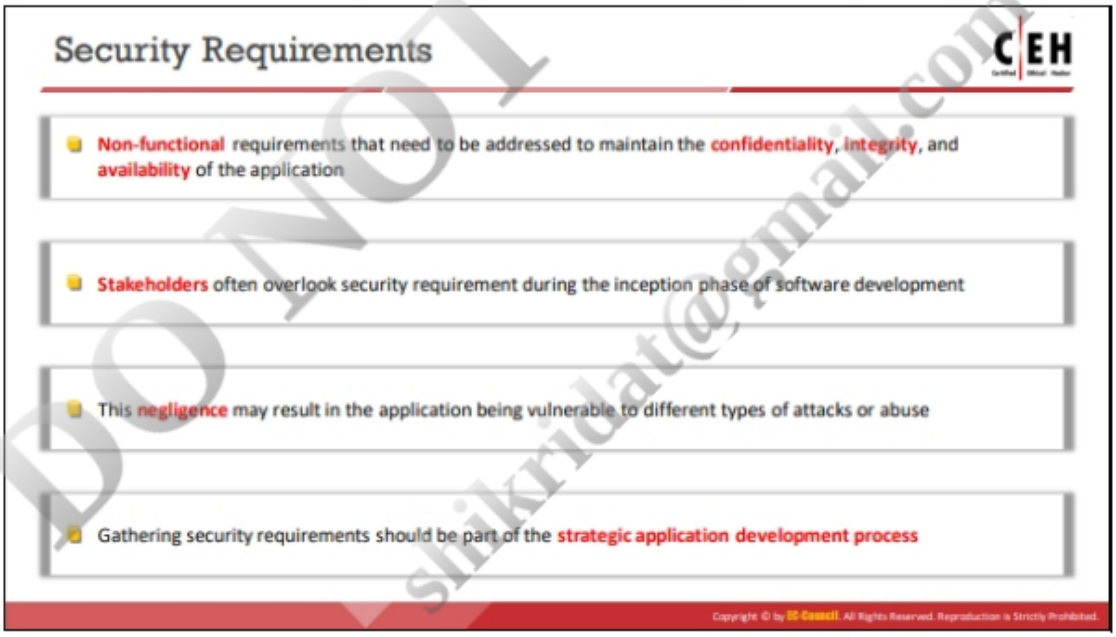


Functional vs. Security Activities in the SDLC

Software Development Lifecycle	Functional Activities	Security Activities
Requirement	• Functional requirements • Non-functional requirements • Technology requirements	Defining the security requirements
Design	Decide the guidelines and architectural design of project	• Create a secure design • Set secure coding standards • Perform threat modeling • Secure the architecture
Development	Functional programming logic Unit testing	• Implementing security requirements • Implementing secure coding standards • Adopting secure coding practices
Testing	Functional testing such as black-, grey-, and white-box testing	Security testing
Deployment	Deployment	Ensure secure deployment
Maintenance	Update functionality	Update the system with security patches

Notes: _____





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