

# Secure-Software-Design덤프공부문제덤프업데이트버전



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>> Secure-Software-Design덤프공부문제 <<

## Secure-Software-Design최신 덤프데모 - Secure-Software-Design시험패스 가능한 인증공부

ITDumpsKR덤프공부가이드는 업계에서 높은 인지도를 자랑하고 있습니다. ITDumpsKR제품은 업데이트가 가장 빠르고 적응율이 가장 높아 업계의 다른 IT공부자료 사이트보다 출중합니다. ITDumpsKR의 WGU인증 Secure-Software-Design덤프는 이해하기 쉽고 모든 WGU인증 Secure-Software-Design시험유형이 모두 포함되어 있어 덤프만 잘 이해하고 공부하시면 시험패스는 문제없습니다.

### WGU Secure-Software-Design 시험요강:

주제	소개
주제 1	<ul style="list-style-type: none"> <li>Software System Management: This section of the exam measures skills of Software Project Managers and covers the management of large scale software systems. Learners study approaches for overseeing software projects from conception through deployment. The material focuses on coordination strategies and management techniques that ensure successful delivery of complex software solutions.</li> </ul>
주제 2	<ul style="list-style-type: none"> <li>Software Architecture Types: This section of the exam measures skills of Software Architects and covers various architecture types used in large scale software systems. Learners explore different architectural models and frameworks that guide system design decisions. The content addresses how to identify and evaluate architectural patterns that best fit specific project requirements and organizational needs.</li> </ul>

주제 3	<ul style="list-style-type: none"> <li>• <b>Reliable and Secure Software Systems:</b> This section of the exam measures skills of Software Engineers and Security Architects and covers building well structured, reliable, and secure software systems. Learners explore principles for creating software that performs consistently and protects against security threats. The content addresses methods for implementing reliability measures and security controls throughout the software development lifecycle.</li> </ul>
주제 4	<ul style="list-style-type: none"> <li>• <b>Design Pattern Selection and Implementation:</b> This section of the exam measures skills of Software Developers and Software Architects and covers the selection and implementation of appropriate design patterns. Learners examine common design patterns and their applications in software development. The material focuses on understanding when and how to apply specific patterns to solve recurring design problems and improve code organization.</li> </ul>
주제 5	<ul style="list-style-type: none"> <li>• <b>Software Architecture and Design:</b> This module covers topics in designing, analyzing, and managing large scale software systems. Students will learn various architecture types, how to select and implement appropriate design patterns, and how to build well structured, reliable, and secure software systems.</li> </ul>

## 최신 Courses and Certificates Secure-Software-Design 무료샘플문제 (Q48-Q53):

### 질문 # 48

Which SDL security goal is defined as ensuring timely and reliable access to and use of information?

- A. Confidentiality
- **B. Availability**
- C. Integrity
- D. Information security

정답: B

### 설명:

The term 'availability' in the context of Secure Software Development Lifecycle (SDL) refers to ensuring that systems, applications, and data are accessible to authorized users when needed. This means that the information must be timely and reliable, without undue delays or interruptions. Availability is a critical aspect of security, as it ensures that the software functions correctly and efficiently, providing users with the information they need to perform their tasks.

References:

- \* The definition of availability as per the National Institute of Standards and Technology (NIST) Glossary<sup>1</sup>.
- \* The Microsoft Security Development Lifecycle (SDL) which emphasizes the importance of availability in secure software design<sup>2</sup>.
- \* General principles of Secure Software Development Life Cycle (SSDLC) that include availability as a key security goal<sup>3</sup>.

### 질문 # 49

What is an advantage of using the Agile development methodology?

- A. Each stage is clearly defined, making it easier to assign clear roles to teams and departments who feed into the project.
- B. The overall plan fits very neatly into a Gantt chart so a project manager can easily view the project timeline.
- C. There is much less predictability throughout the project regarding deliverables.
- **D. Customer satisfaction is improved through rapid and continuous delivery of useful software.**

정답: D

### 질문 # 50

Recent vulnerability scans discovered that the organization's production web servers were responding to ping requests with server type, version, and operating system, which hackers could leverage to plan attacks.

How should the organization remediate this vulnerability?

- A. Always uninstall or disable features that are not required
- **B. Ensure servers are configured to return as little information as possible to network requests**

- C. Ensure servers are regularly updated with the latest security patches
- D. Access to configuration files is limited to administrators

**정답: B**

**설명:**

To remediate the vulnerability of servers responding to ping requests with sensitive information, the organization should configure the servers to return as little information as possible to network requests. This practice is known as reducing the attack surface. By limiting the amount of information disclosed, potential attackers have less data to use when attempting to exploit vulnerabilities. Regular updates and patching (Option B) are also important, but they do not address the specific issue of information disclosure. Uninstalling or disabling unnecessary features (Option C) and restricting access to configuration files (Option D) are good security practices, but they do not directly prevent the leakage of server information through ping responses.

References: The remediation steps are aligned with best practices in vulnerability management, which include finding, prioritizing, and fixing vulnerabilities, as well as configuring servers to minimize the exposure of sensitive information<sup>123</sup>.

**질문 # 51**

While performing functional testing of the new product from a shared machine, a QA analyst closed their browser window but did not logout of the application. A different QA analyst accessed the application an hour later and was not prompted to login. They then noticed the previous analyst was still logged into the application.

How should existing security controls be adjusted to prevent this in the future?

- A. Ensure no sensitive information is stored in plain text in cookies
- **B. Ensure user sessions timeout after short intervals**
- C. Ensure strong password policies are enforced
- D. Ensure role-based access control is enforced for access to all resources

**정답: B**

**설명:**

The issue described involves a session management vulnerability where the user's session remains active even after the browser window is closed, allowing another user on the same machine to access the application without logging in. To prevent this security risk, it's essential to adjust the session management controls to include an automatic timeout feature. This means that after a period of inactivity, or when the browser window is closed, the session should automatically expire, requiring a new login to access the application.

This adjustment ensures that even if a user forgets to log out, their session won't remain active indefinitely, reducing the risk of unauthorized access.

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Secure SDLC practices emphasize the importance of security at every stage of the software development life cycle, including the implementation of proper session management controls<sup>12</sup>.

Best practices for access control in security highlight the significance of managing session timeouts to prevent unauthorized access<sup>3</sup>.

Industry standards and guidelines often recommend session timeouts as a critical security control to protect against unauthorized access<sup>4</sup>.

**질문 # 52**

A new product does not display personally identifiable information, will not let private documents be printed, and requires elevation of privilege to retrieve archive documents. Which secure coding practice is this describing?

- A. Authentication
- **B. Access control**
- C. Data protection
- D. Input validation

**정답: B**

**설명:**

The secure coding practice being described is Access Control. This practice ensures that access to data and features within a system is restricted and controlled. The description given indicates that the product has mechanisms to prevent the display of personally identifiable information (PII), restrict the printing of private documents, and require elevated privileges to access archived documents. These are all measures to control who has access to what data and under what circumstances, which is the essence of access

