← Back Weekly challenge 3
Graded Quiz • 50 min

Congratulations! You passed! Flaws in the system Go to Retake the Identify system vulnerabilities next assignment in **7h** Cyber attacker mindset Review: Vulnerabilities in systems Video: Wrap-up **Review Learning Objectives** Reading: Glossary terms from week

1. A hotel chain has outdated WiFi routers in their guest rooms. An attacker hacked into the devices and stole 1/1 point sensitive information from several guests. • Quiz: Weekly challenge 3 Try again Retake the quiz in 7h 57m An exploit A vulnera liteceive grade Your grade An access control 80% or higher We keep your highest score **⊘** Correct 🖒 Like 🖓 Dislike 🏳 Report an issue 2. Which of the following layers do *not* provide protection for information that users provide? Select two answers.

0.5/1 point The data layer **⊘** Correct ☐ The application layer ✓ The network layer X This should not be selected Please review the video on defense in depth \Box . ☐ The perimeter layer 3. What is the difference between the application and data layers of the defense in depth model? 0 / 1 point The application layer authorizes users who have access to perform a duty. The data layer maintains the integrity of information with controls like encryption and hashing. The data layer includes controls like encryption and hashing to secure data at rest. The application layer authorizes users who have access to perform a duty. The application layer secures information with controls that are programmed into the application itself. The data layer maintains the integrity of information with controls like encryption and hashing. The data layer authenticates users to only allow access to trusted parties. The application layer secures information with controls that are programmed into the application itself. Please review the video about the controls used in defense in depth $\[\[\] \]$. **4.** Fill in the blank: According to the CVE® list, a vulnerability with a score of _____ or above is considered to be a 1/1 point critical risk to company assets that should be addressed right away. 9 O 1 O 11 O 4 **5.** A security team is preparing new workstations that will be installed in an office. 1/1 point Which vulnerability management steps should they take to prepare these workstations? Select three answers. Consider who will be using each computer. **⊘** Correct Download the latest patches and updates for each system. **⊘** Correct ☐ Install a suite of collaboration tools on each workstation. Configure the company firewall to allow network access. **⊘** Correct **6.** What are some of the goals of performing vulnerability assessments? Select two answers. 1 / 1 point ☐ To catalog assets that need to be protected ▼ To identify weaknesses and prevent attacks ☐ To pass remediation responsibilities over to the IT department ✓ To perform an audit that measures regulatory compliance 7. Which of the following are types of attack surfaces? Select three answers. 1/1 point Computer workstations **⊘** Correct ☐ Malicious software Network routers **⊘** Correct Cloud servers **⊘** Correct 8. An online newspaper suffered a data breach. The attackers exploited a vulnerability in the login form of their 1/1 point website. The attackers were able to access the newspaper's user database, which did not encrypt personally identifiable information (PII). What attack vectors did the malicious hackers use to steal user information? Select two answers. ☐ The user database The online login form **⊘** Correct The unencrypted PII ▼ The newspaper's website **⊘** Correct 9. A security team is performing a vulnerability assessment on a banking app that is about to be released. Their objective is to identify the tools and methods that an attacker might use. Which steps of an attacker mindset should the team perform to figure this out? Select three answers. Identify a target. **⊘** Correct Consider potential threat actors. Determine how the target can be accessed. **⊘** Correct Evaluate attack vectors that can be exploited. **⊘** Correct **10.** Consider the following scenario: 1 / 1 point You are working as a security professional for a school district. An application developer with the school district created an app that connects students to educational resources. You've been assigned to evaluate the security of Using an attacker mindset, which of the following steps would you take to evaluate the application? Select two Evaluate how the app handles user data. Correct Identify the types of users who will interact with the app. Correct

☐ Integrate the app with existing educational resources.

☐ Ensure the app's login form works.

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