

Exam GitHub-Copilot Dump, GitHub-Copilot Reliable Test Objectives



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GitHub GitHub-Copilot Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">How GitHub Copilot Works and Handles Data: This section of the exam measures the skills of Data Security Specialists and DevOps Engineers and covers how GitHub Copilot processes data, handles code suggestions and manages privacy concerns. It explains the data pipeline for Copilot's suggestions, how it gathers context, and how prompts are processed through its AI model. The section also discusses the limitations of AI-generated code, the effects of historical data on suggestions, and the role of prompt crafting. Best practices for improving prompt effectiveness and optimizing AI-generated responses are included.
Topic 2	<ul style="list-style-type: none">Privacy Fundamentals and Context Exclusions: This section of the exam measures skills of Cybersecurity Specialists and Compliance Officers and covers privacy safeguards and content exclusion settings in GitHub Copilot. It explains how Copilot can identify security vulnerabilities, suggest optimizations, and enforce secure coding practices. It also includes details on content ownership, data filtering mechanisms, and exclusion configurations. The section concludes with troubleshooting guidelines for managing context exclusions and ensuring compliance with organizational security policies.
Topic 3	<ul style="list-style-type: none">Testing with GitHub Copilot: This section of the exam measures skills of QA Engineers and Test Automation Specialists and covers AI-assisted testing methodologies, including the generation of unit tests, integration tests, and edge case detection. It explains how GitHub Copilot improves test effectiveness by suggesting relevant assertions and boilerplate test cases. The section also discusses privacy considerations, organizational code suggestion settings, and best practices for configuring GitHub Copilot's testing features.
Topic 4	<ul style="list-style-type: none">Responsible AI: This section of the exam measures the skills of AI Ethics Analysts and AI Developers and covers the principles of responsible AI usage, the risks associated with AI, and the limitations of generative AI tools. It includes the importance of validating AI-generated outputs and operating AI systems responsibly. It also explores potential harms such as bias, privacy concerns, and fairness issues, along with methods to mitigate these risks. The ethical considerations of AI development and deployment are also discussed.

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GitHub CopilotCertification Exam Sample Questions (Q12-Q17):

NEW QUESTION # 12

Which of the following is a risk associated with using AI?

- A. AI systems can sometimes make decisions that are difficult to interpret.
- B. AI replaces the need for developer opportunities in most fields.
- C. AI algorithms are incapable of perpetuating existing biases.
- D. AI eliminates the need for data privacy regulations.

Answer: A

Explanation:

A risk associated with AI is that its decisions can be difficult to interpret, leading to a lack of transparency and potential misunderstandings.

NEW QUESTION # 13

Identify the right use cases where GitHub Copilot Chat is most effective. (Each correct answer presents part of the solution. Choose two.)

- A. Creation of end-to-end performance testing scenarios for a web application
- B. Explain a legacy COBOL code and translate the code to another language like Python.
- C. Create a technical requirement specification from the business requirement documentation
- D. Creation of a unit test scenario for newly developed Python code

Answer: B,D

Explanation:

GitHub Copilot Chat is effective for explaining and translating legacy code and generating unit test scenarios for new code.

NEW QUESTION # 14

What role does chat history play in GitHub Copilot's code suggestions?

- A. Chat history provides context to GitHub Copilot, improving the relevance and accuracy of its code suggestions.
- B. Chat history is irrelevant to GitHub Copilot and does not affect its functionality.
- C. Chat history is stored and shared with other users to enhance collaboration.
- D. Chat history is used to train the GitHub Copilot model in real-time.

Answer: A

Explanation:

Chat history provides valuable context to GitHub Copilot, helping it generate more relevant and accurate code suggestions based on previous interactions and conversations.

NEW QUESTION # 15

How does GitHub Copilot Chat ensure that a function works correctly?

- A. By suggesting assertions based on the code's context and semantics.
- B. By writing the implementation code for the function.
- C. By executing the test cases to validate the correctness of the code.
- D. By automatically writing all the tests for the function.

Answer: A

Explanation:

GitHub Copilot Chat can suggest assertions based on the code's context and semantics to help developers verify the correctness of their functions. These assertions serve as checks that the function behaves as expected under various conditions.

NEW QUESTION # 16

What are the potential risks associated with relying heavily on code generated from GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

- A. GitHub Copilot may decrease developer velocity by requiring too much time in prompt engineering.
- B. GitHub Copilot may introduce security vulnerabilities by suggesting code with known exploits.
- C. GitHub Copilot may increase development lead time by providing irrelevant suggestions.
- D. GitHub Copilot's suggestions may not always reflect best practices or the latest coding standards.

Answer: B,D

Explanation:

Heavy reliance on GitHub Copilot can introduce security vulnerabilities if the generated code contains known exploits. Additionally, Copilot's suggestions may not always align with best practices or the latest standards, requiring careful review and validation.




NEW QUESTION # 17

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To assimilate those useful knowledge better, many customers eager to have some kinds of practice materials worth practicing. All content is clear and easily understood in our GitHub-Copilot practice materials. They are accessible with reasonable prices and various versions for your option. All content are in compliance with regulations of the exam. As long as you are determined to succeed, our GitHub-Copilot Study Guide will be your best reliance

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