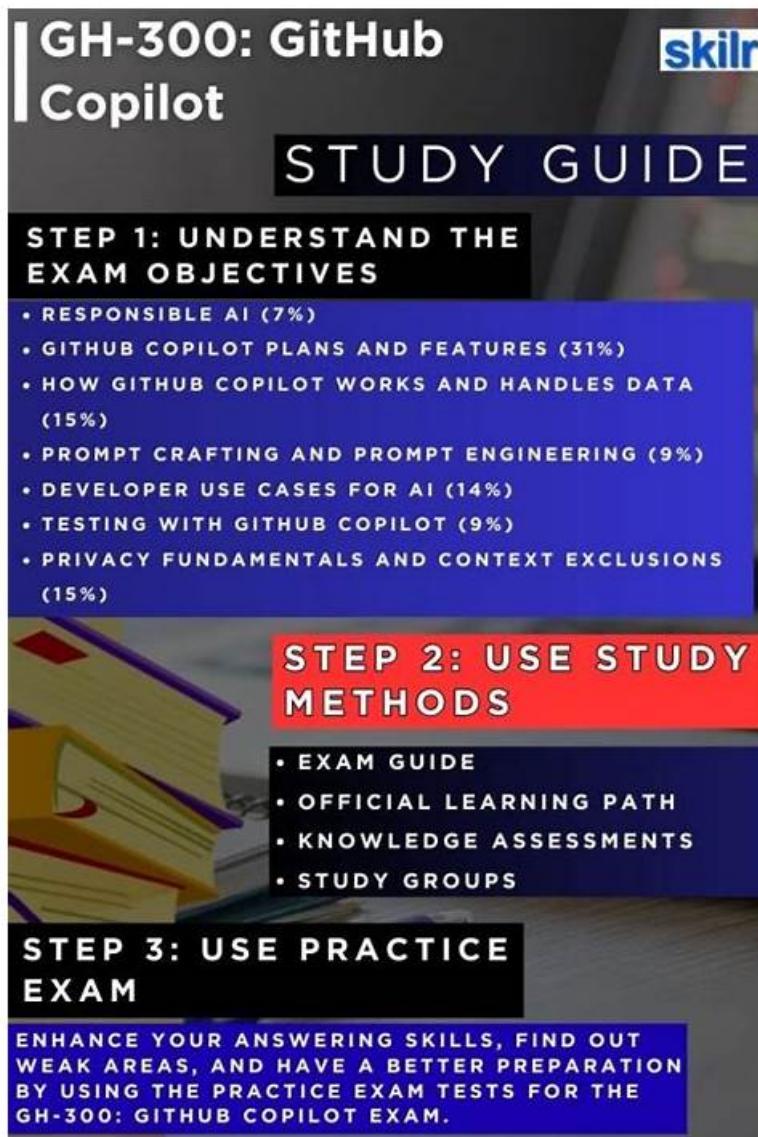


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Our GitHub Copilot (GH-300) exam dumps comes in three formats: Microsoft GH-300 PDF dumps file, desktop-based practice test software, and a web-based practice exam. These versions are specially designed to make GitHub Copilot (GH-300) preparation for users easier. GH-300 Questions in these formats of Itcertking's material are enough grasp every test topic in the shortest time possible.

Microsoft GH-300 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Responsible :This section of the exam measures skills of AI Ethics Officers and Risk Managers and covers the responsible and ethical usage of AI technologies. It explains the risks and limitations associated with generative AI tools, including biases in training data and the need to validate AI outputs. Candidates learn how to operate AI responsibly by identifying potential harms such as bias, fairness, privacy concerns, and mitigating these harms by applying ethical AI principles.

Topic 2	<ul style="list-style-type: none"> • Domain 4: Prompt Crafting and Prompt Engineering This section measures skills of Software Developers and AI Interaction Designers in effectively crafting prompts to optimize Copilot's output. It reviews foundational concepts such as prompt components, the role of language in prompting, zero-shot vs. few-shot prompting, and how chat history influences responses. Best practices and engineering principles for prompt design and training methods are also covered.
Topic 3	<ul style="list-style-type: none"> • Domain 6: Testing with GitHub Copilot: This section measures abilities of QA Engineers and Test Automation Specialists to use Copilot for test generation, including unit and integration tests. It explains how Copilot can identify edge cases and assist in writing assertions. The domain also covers different Copilot subscription SKUs, privacy considerations, organizational code suggestion settings, and configuration files related to Copilot.
Topic 4	<ul style="list-style-type: none"> • Developer Use Cases for AI: Targeting Software Engineers and Technical Leads, this domain elaborates on how AI improves developer productivity across common tasks like learning new languages, translation, documentation, debugging, data science, and refactoring. It discusses Copilot's support in software development lifecycle management and highlights its limitations. Use of the productivity API to track Copilot's impact is also included.
Topic 5	<ul style="list-style-type: none"> • GitHub Copilot Plans and Feature: This domain targets Product Managers and DevOps Engineers and focuses on understanding the various GitHub Copilot subscription plans like Individual, Business, and Enterprise, including distinctions and management features. It covers how Copilot is integrated into IDEs, different triggering methods for code suggestions, organizational policy management, subscription administration via API, and effective use of Copilot Chat and Knowledge Bases. Candidates also learn about CLI usage and configuration.

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These GH-300 PDF Questions are being presented in practice test software and PDF dumps file formats. The Microsoft GH-300 desktop practice test software is easy to use and install on your desktop computers. Whereas the other GH-300 web-based practice test software is concerned, this is a simple browser-based application that works with all operating systems. Both practice tests are customizable, simulate actual exam scenarios, and help you overcome mistakes.

Microsoft GitHub Copilot Sample Questions (Q119-Q124):

NEW QUESTION # 119

If you are working on open source projects, GitHub Copilot Individual can be paid:

- A. Through an invoice or a credit card
- B. Based on the payment method in your user profile
- C. Through an Azure Subscription
- D. N/A - Copilot Individual is a free service for all open source projects

Answer: B

Explanation:

"GitHub Copilot Individual subscriptions are billed using the payment method configured in your GitHub user profile." There is no free tier for open source projects, so option A is correct.

References: GitHub Copilot billing documentation.

NEW QUESTION # 120

How can GitHub Copilot assist developers during the requirements analysis phase of the Software Development Life Cycle (SDLC)?

- A. By managing stakeholder communication and meetings.

- B. By automatically generating detailed requirements documents.
- C. By providing templates and code snippets that help in documenting requirements.
- D. By identifying and fixing potential requirement conflicts when using /help.

Answer: C

Explanation:

GitHub Copilot can assist during the requirements analysis phase by providing templates and code snippets that aid in documenting requirements. This helps streamline the process of capturing and organizing project requirements.

Reference: GitHub Copilot documentation on SDLC assistance.

NEW QUESTION # 121

Which of the following describes role prompting?

- A. Giving GitHub Copilot multiple examples of the form of the data you want to use
- B. Describing in your prompt what your role is to get a better suggestion
- C. Prompt GitHub Copilot to explain what was the role of a suggestion
- D. Tell GitHub Copilot in what tone of voice it should respond

Answer: B

Explanation:

Role prompting involves explicitly stating your role or the persona you want GitHub Copilot to adopt within your prompt. This helps Copilot provide more contextually relevant and accurate suggestions. By defining your role (e.g., "As a senior software engineer," "As a technical writer"), you guide Copilot to tailor its responses to align with the expertise and perspective associated with that role. This improves the quality and relevance of the generated code and explanations.

Reference: GitHub Copilot documentation on prompt engineering and best practices.

NEW QUESTION # 122

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

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

Answer: B

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 # 123

What are the additional checks that need to pass before the GitHub Copilot responses are submitted to the user? (Each correct answer presents part of the solution. Choose two.)

- A. Compatibility with user-specific settings
- B. Code quality
- C. Performance benchmarking
- D. Suggestions matching public code (optional based on settings)

Answer: B,D

Explanation:

Exact extracts:

* "Copilot applies post-processing checks for code quality to ensure that responses meet baseline standards." References: GitHub Copilot safeguards documentation.

NEW QUESTION # 124

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