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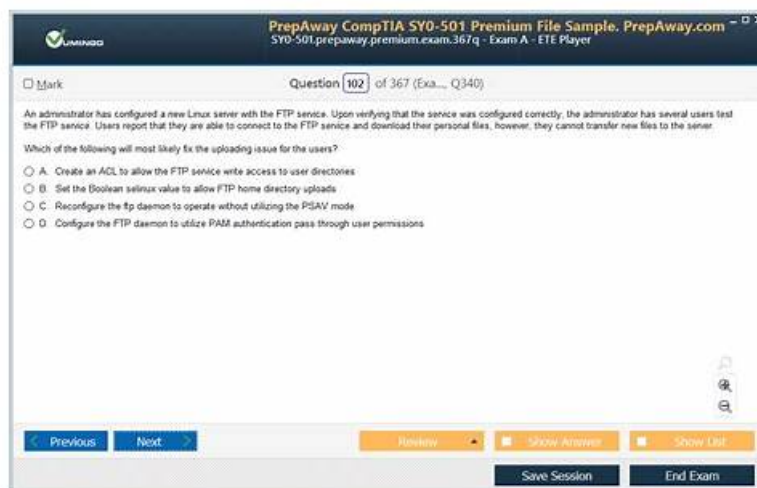

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The PrepAwayPDF is committed to making the entire Microsoft GH-900 exam preparation process instant and successful. To achieve these objectives the PrepAwayPDF is offering real, valid, and updated GitHub Foundations (GH-900) exam practice test questions in three high in demand formats. These formats are Microsoft GH-900 PDF dumps files, desktop practice test software, and web-based practice test software.

Microsoft GH-900 Exam Syllabus Topics:

Topic	Details
Topic 1	• Collaboration Features: This section measures skills of Software Engineers and Team Leads and covers collaborative workflows using GitHub. It includes forking repositories, creating and managing pull requests, reviewing and merging code changes, and using GitHub Actions to support CI • CD pipelines. Candidates also explore project management features such as creating and managing issues, using labels, milestones, and project boards, and tracking progress through GitHub Projects.
Topic 2	• Privacy, Security, and Administration: This domain measures skills of Security Administrators and Organization Managers in securing and administering GitHub environments. It covers ensuring repository security through branch protection rules, using security tools like Dependabot, managing access and permissions at repository and organization levels, creating and managing organizations, setting up organization-level security, and overseeing teams and members.
Topic 3	• Modern Development: This domain assesses abilities of DevOps Engineers and Continuous Integration Specialists in implementing modern development practices. It emphasizes understanding DevOps principles and leveraging GitHub Actions for automation and CI • CD pipeline implementation. Candidates also learn GitHub's tools and best practices for conducting and managing code reviews.
Topic 4	• Working with GitHub Repositories: This domain targets Repository Administrators and Content Managers, focusing on managing repository settings and permissions. Candidates learn to configure repositories, use templates, and effectively manage files by adding, editing, and deleting. The domain also addresses versioning of files and the use of GitHub Desktop for streamlined file management tasks within repositories.
Topic 5	• Project Management: This section is designed for Project Coordinators and Product Managers and focuses on using GitHub Projects for project management. Candidates learn to create and manage GitHub Projects, utilize project boards for organizing tasks, and integrate project workflows with issues and pull requests to maintain project visibility and progress.

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Microsoft GitHub Foundations Sample Questions (Q54-Q59):

NEW QUESTION # 54
As a GitHub user, where in the UI can you configure two-factor authentication (2FA) to further secure your account?

- A. Organization Settings -> Authentication Security -> 2FA
- B. Profile -> Account -> 2FA
- C. Settings -> Password and Authentication -> 2FA
- D. Repository Settings -> Secrets and Variables -> 2FA

Answer: C

Explanation:
As a GitHub user, you can configure two-factor authentication (2FA) to secure your account by navigating to Settings -> Password and Authentication -> 2FA. This section in the GitHub user interface allows you to set up and manage your 2FA methods, which provide an additional layer of security beyond just your password.

NEW QUESTION # 55
What are the key areas of focus for GitHub?
(Each answer presents a complete solution. Choose three.)

- A. Providing access and opportunities for developers
- B. Nurturing a community that supports open source principles
- C. Hosting video calls with other developers
- D. Providing a social media platform for project managers
- E. Building a technology platform for secure code sharing and collaboration

Answer: A,B,E

Explanation:
GitHub focuses on several key areas that align with its mission to support developers and foster collaboration:
Nurturing a Community That Supports Open Source Principles:
Option A is correct. GitHub is a major advocate for open-source software development, providing tools and platforms that enable open collaboration. GitHub hosts millions of open-source projects and supports a community-driven approach to software development.
Providing Access and Opportunities for Developers:
Option B is correct. GitHub provides a wide range of resources, such as GitHub Education, GitHub Actions, and GitHub Marketplace, to empower developers. These tools and opportunities help developers of all levels to learn, contribute, and improve their skills.
Building a Technology Platform for Secure Code Sharing and Collaboration:
Option D is correct. GitHub's core function is to provide a platform where developers can securely share code and collaborate. Features like private repositories, branch protections, and GitHub Actions for CI/CD (Continuous Integration/Continuous Deployment) workflows highlight this focus.
Incorrect Options:
Option C is incorrect because GitHub is not a social media platform for project managers; it is a code hosting platform with social features primarily aimed at developers.
Option E is incorrect because GitHub does not focus on hosting video calls. While some integrations might allow for video conferencing, it is not a core focus of GitHub.
Reference:
GitHub Docs: The GitHub Developer Experience
GitHub Docs: About GitHub

This detailed explanation covers the primary focuses of GitHub, emphasizing its role in the open-source community and its commitment to providing a secure and collaborative platform for developers.

NEW QUESTION # 56
What are two recommended ways of improving the discoverability of a repository?
(Each answer presents a complete solution. Choose two.)

- A. Add labels to categorize the repository.
- B. Create a README file describing the repository.
- C. Register the repository with GitHub search.
- D. Add topics to classify the repository.

Answer: B,D

Explanation:
Two recommended ways to improve the discoverability of a repository on GitHub are:
B . Create a README file describing the repository: A well-written README file provides essential information about the project, such as what it does, how to use it, and how to contribute. This is often the first thing potential users or contributors will see, making it critical for discoverability.
D . Add topics to classify the repository: Adding topics to your repository helps classify it under specific categories, making it easier for others to find it through GitHub's search and exploration features. Topics act like tags, helping to connect your project with users interested in similar subjects.
Registering a repository with GitHub search and adding labels are not applicable actions for improving discoverability in the broader sense.

NEW QUESTION # 57
What does a CODEOWNERS file do in a repository?

- A. Requires peer code review for code changes
- B. Sets the reviewers for pull requests automatically
- C. Defines access permissions for the repository
- D. Restricts who can edit specific files

Answer: B

Explanation:
The CODEOWNERS file in a GitHub repository is used to define individuals or teams that are responsible for specific parts of the codebase. When changes are made to files or directories that match the patterns specified in the CODEOWNERS file, GitHub automatically requests reviews from the listed code owners.
Setting Reviewers Automatically:
Option D is correct because the primary purpose of a CODEOWNERS file is to automatically set reviewers for pull requests that affect the specified files or directories. This ensures that the appropriate team members are notified and review the changes before they are merged.
Incorrect Options:
Option A is incorrect because the CODEOWNERS file does not restrict who can edit specific files; it only influences who is required to review changes.
Option B is partially related but not fully accurate because while CODEOWNERS does require certain reviews, it does not mandate peer review for all code changes.
Option C is incorrect because the CODEOWNERS file does not define access permissions for the repository; it deals with code review processes.
Reference:
GitHub Docs: About CODEOWNERS
GitHub Blog: Automatically Requesting Reviews with CODEOWNERS

NEW QUESTION # 58
What are the defining features of Git?

- A. Centralized version control, proprietary software, and being designed for small projects
- B. Distributed version control, open source software, and being designed for handling projects of any size with efficiency
- C. Sequential version control, cloud-based hosting service, and being designed for collaboration on large projects
- D. Low-cost local branching, convenient staging areas, multiple workflows, and being designed for managing small projects

Answer: B

Explanation:
Git is a widely-used version control system that has several defining features:
Distributed Version Control:
Git is a distributed version control system, meaning that every developer has a full copy of the entire repository, including its history, on their local machine. This enables greater flexibility, as work can be done offline and each user has access to the full project history.
Open Source Software:
Git is open-source, meaning its source code is freely available for use, modification, and distribution. This fosters a large community of users and contributors who continuously improve the software.
Efficiency with Large Projects:
Git is designed to handle projects of any size with speed and efficiency. It can manage large codebases and many contributors without significant performance degradation, making it suitable for everything from small personal projects to large, complex software systems.
Incorrect Options:
Option B is incorrect because Git is not a sequential version control system, nor is it inherently tied to cloud-based services. GitHub, GitLab, and other platforms offer cloud hosting for Git repositories, but Git itself is a version control tool.
Option C is incorrect because Git is not limited to small projects; it is designed to scale efficiently, and the other features mentioned are only partial descriptions of Git's capabilities.
Option D is incorrect because Git is not a centralized version control system; it is distributed. Additionally, Git is open-source, not proprietary, and is used for projects of all sizes.
Reference:
Pro Git Book: What is Git?
Git Documentation: Distributed Version Control
GitHub Docs: Understanding the Git Workflow

NEW QUESTION # 59
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