GH-900 GitHub Foundations

Category: Software Development & Programming | **Vendor:** Microsoft Technical

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	GitHub Foundations
Related Exam:	GH-900

Course Overview

GitHub Foundations introduces you to the fundamental concepts, features, and products of GitHub. You'll discover the benefits of using GitHub as a collaborative platform and explore its core features, such as repository management, commits, branches, and merging. Through curated modules and hands-on exercises, you'll gain a solid understanding of GitHub's essential tools and be well-equipped to start contributing to projects and collaborating effectively within GitHub.

About This Course

GitHub Foundations introduces you to the fundamental concepts, features, and products of GitHub. You'll discover the benefits of using GitHub as a collaborative platform and explore its core features, such as repository management, commits, branches, and merging. Through curated modules and hands-on exercises, you'll gain a solid understanding of GitHub's essential tools and be well-equipped to start contributing to projects and collaborating effectively within GitHub.

Who Should Attend

This course in intended for students who want to understand and GitHub best practices. You will understand the fundamental features of GitHub, learn about repository management, gain an understanding of the GitHub flow, including branches, commits, and pull requests. Additionally, you will explore the collaborative features of GitHub by reviewing issues and discussions and be able to manage your GitHub notifications and subscriptions.

Detailed Course Outline

1 - Introduction to Git

- What is version control?
- Basic Git commands
- Module assessment

2 - Introduction to GitHub

- What is GitHub?
- Components of the GitHub flow
- GitHub is a collaborative platform
- GitHub platform management
- Module assessment

3 - Introduction to GitHub's products

- GitHub accounts and plans
- GitHub Mobile and GitHub Desktop
- GitHub billing
- License Usage Stats
- License Usage Stats in Machine and Peripheral Devices
- Metered Usage Reports
- Module assessment

4 - Configure code scanning on GitHub

- What is code scanning?
- Enable code scanning with third party tools
- Configure code scanning
- Configure code scanning exercise
- Module assessment

5 - Introduction to GitHub Copilot

- GitHub Copilot, your AI pair programmer
- Interact with Copilot
- Set up, configure, and troubleshoot GitHub Copilot
- Module assessment

6 - Code with GitHub Codespaces

- The Codespace lifecycle
- Personalize your Codespace
- Codespaces versus GitHub.dev editor
- Module assessment

7 - Manage your work with GitHub Projects

- Projects versus Projects Classic
- How to create a project
- How to organize your project
- How to organize and automate your project
- Insight and automation with projects
- Module assessment

8 - Communicate effectively on GitHub using Markdown

- What is Markdown?
- Module assessment

9 - Contribute to an open-source project on GitHub

- Identify where you can help
- Contribute to an open-source repository
- Next steps
- Module assessment

10 - Manage an InnerSource program by using GitHub

- How to manage a successful InnerSource program
- Module assessment

11 - Maintain a secure repository by using GitHub best practices

- How to maintain a secure GitHub repository
- Automated security
- Module assessment

12 - Introduction to GitHub administration

- What is GitHub administration?
- How does GitHub authentication work?
- How does GitHub organization and permissions work?
- Managing enterprise access, permissions, and governance
- Module assessment

13 - Authenticate and authorize user identities on GitHub

- User identity and access management
- User authentication
- User authorization
- Team synchronization
- Module assessment

14 - Manage repository changes by using pull requests on GitHub

- What are pull requests?
- Module assessment

15 - Search and organize repository history by using GitHub

- How to search and organize repository history by using GitHub
- Module assessment

16 - Using GitHub Copilot with Python

- What is GitHub Copilot?
- Use GitHub Copilot with Python
- Module assessment

🎓 Certification Path

GitHub Foundations

Exam: GH-900

Upcoming Schedule

Available training dates for GH-900 GitHub Foundations:

Start Date	End Date	Location	Delivery	Price
14 Dec 2026	15 Dec 2026	Online	Virtual	€1,295.00

Frequently Asked Questions

Q: What delivery options are available for GH-900 GitHub Foundations?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The GH-900 GitHub Foundations course helps prepare you for the GitHub Foundations certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the GH-900 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 2-day GH-900 GitHub Foundations course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the GH-900 GitHub Foundations training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for GH-900 GitHub Foundations?

Yes, we provide corporate training, dedicated training, and closed classes for GH-900 GitHub Foundations. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for GH-900 GitHub Foundations?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your GH-900 GitHub Foundations training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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