



COURSE SYLLABUS

Introduction to GitHub with AI

Set up and use GitHub for real work: repositories, branches, pull requests, issues, Projects, Actions, Copilot and Codespaces, security settings, with preparation for the GitHub Foundations (GH-900) exam.

\$800 per person; the GH-900 exam fee is not included

8 course hours (on-demand video and labs) plus 1 hour of coaching

On-demand asynchronous training with online support, plus 1 hour of coaching.

Introduction to GitHub with AI

Set up and use GitHub for real work: repositories, branches, pull requests, issues, Projects, Actions, Copilot and Codespaces, security settings, with preparation for the GitHub Foundations (GH-900) exam.

Credential type	Certificate, issued by We Can Code IT
Clock hours	9 (8 course hours plus 1 hour of coaching)
Price	\$800 per person; the GH-900 exam fee is not included
Time	8 course hours (on-demand video and labs) plus 1 hour of coaching
Delivery	On-demand asynchronous training with online support, plus 1 hour of coaching.
Credential	Certificate of completion from We Can Code IT
Exam preparation	GitHub Foundations (GH-900). The course follows the skills measured for the exam as of January 2026 and prepares you to take it. The exam is not included in the course price; you register and pay for it through Microsoft Learn. Most learners add self-study and practice assessments before the exam.
How you earn it	You earn the We Can Code IT certificate by completing the labs and a capstone repository that passes its checks, reviewed by your coach. The GitHub Foundations certification is earned separately by passing the GH-900 exam.
Who it is for	This course is for anyone new to GitHub who works with software or the people who build it, including developers, analysts, QA staff, product owners, project managers, IT staff, and entrepreneurs and founders.
Prerequisites	Basic computer skills; no GitHub or coding experience is needed
Requirements	Any computer with a modern browser; A free GitHub account (GitHub Copilot Free and the Codespaces free monthly allowance cover the labs); Labs use a public practice repository, since branch protection and GitHub Pages require a paid plan for private repositories; do not put employer code in it. Teams on a paid GitHub plan can use a private repository.

About this course

GitHub is where software teams, and the AI tools they use, keep and review their work. This course takes you from no GitHub experience to working the way modern teams do: repositories with the right key files, the GitHub Flow of branches and pull requests, issues and Projects with automations, Actions checks, branch protection and account security, with GitHub Copilot and Codespaces along the way. The modules follow the skills measured for the GitHub Foundations (GH-900) exam, so the course also prepares you to take it. The exam is not included in the price.

What you will be able to do

- You will be able to create and organize repositories with README, LICENSE, CONTRIBUTING, CODEOWNERS and SECURITY files, and manage files, branches and commits.
- You will be able to collaborate through the GitHub Flow: branches, pull requests linked to issues, reviews, discussions and notifications.
- You will be able to configure GitHub Projects with layouts, labels, milestones and automated workflows.
- You will be able to add a GitHub Actions check, use GitHub Copilot for code suggestions and chat, and work in a Codespace.
- You will be able to secure accounts and repositories with two-factor authentication or passkeys, roles, visibility settings and branch protection rules.

Syllabus

Module	Hours
1. Git and GitHub basics Version control and why it matters, Git compared with GitHub, Repositories, commits and branches, Accounts, organizations and enterprises, The GitHub Flow, Markdown. Lab: You will create a repository, make commits with messages drafted by an AI assistant, and write a README in Markdown.	1.5 h
2. Working with repositories Key files: README, LICENSE, CONTRIBUTING, CODEOWNERS, SECURITY, Repository templates, Adding and managing files, Repository insights and dependency insights. Lab: You will build a repository from a template, add its key files, and read its insights.	1 h
3. Collaborating with issues and pull requests Issues and issue templates, Pull requests linked to issues, Reviews and discussions, Notifications, Gists, wikis and GitHub Pages. Lab: You will open an issue, fix it on a branch, link a pull request, review a pull request (from a teammate, or a provided one), and publish a page with GitHub Pages.	1.5 h
4. Managing work with GitHub Projects Project layouts, Labels and milestones, Built-in workflows, Saved replies and assignees, Project insights. Lab: You will configure a Projects board with a custom field, labels, a milestone and an automation that moves cards when pull requests merge.	1 h
5. Actions, Copilot and Codespaces What GitHub Actions does, GitHub Copilot suggestions, chat, agents and agent mode, Copilot plans, Codespaces and dev containers, The github.dev editor. Lab: You will add an Actions workflow that runs on every pull request, use Copilot Chat to explain a file, and open your repository in a Codespace.	1 h

6. Security, administration and the GitHub community

1 h

Two-factor authentication and passkeys, Roles and permissions, Visibility and branch protection rules, Organization-wide Copilot policies, Forks, open source, InnerSource and the Marketplace.

Lab: You will turn on passkeys, set repository roles, and add a branch protection rule that requires a review and a passing check.

7. Capstone and exam readiness

1 h

End-to-end GitHub Flow, GH-900 skills review, Practice assessment.

Lab: You will take one change from issue to protected merge, complete a practice assessment, and review your results with your coach.

Coaching sessions

1 h

1 hour of coaching. Your coach reviews your capstone with you and answers questions as you work. Teams pool their hours into group sessions, so a team of 6 shares 6 hours of group coaching.

Live online or in-person sessions are available for an additional fee. Email admissions@wecancodeit.org for details.

Provider

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