

How to Use Git and GitHub

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DASHBOARD

How to Use Git and GitHub: Version Control for Code

CLASSROOM

Thank you for signing up for the course! We look forward to working with you and hearing your feedback in our forums. Let's get started!

MATERIALS

Need help getting started?

- Find an answer to your question in the [Udacity FAQ](#).
- Learn about different parts of the Classroom in [Udacity Introduction](#)

DISCUSSION

OVERVIEW

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Course Resources

Git installation instructions

Follow the instructions [here](#) to install Git.

Additional Learning

The following resources may also be helpful in learning more about Git:

- [A cheat sheet of common Git commands](#)
- [A tutorial where you enter Git commands in the browser](#)
- [A game giving practice with some more advanced Git branching techniques](#)
- [A Git tutorial where you enter commands on your own computer](#)
- [Instructional videos made by Git](#)

Course Syllabus

Prerequisite Knowledge

Familiarity with a Unix-style command line will be important in this course. If you haven't used a Unix-style command line before, visit [this page](#) for some additional resources.

Lesson 1: Navigating a Commit History

In this lesson, you'll learn about a few different types of version control systems and discover what makes Git a great version control system for programmers. You'll also get practice using Git to view the history of an existing project. You'll learn to see all the versions that have been saved, checkout a previous version, and compare two different versions.

[Instructor notes for lesson 1](#)

Lesson 2: Creating and Modifying a Repository

In this lesson, you'll learn how to create a repository and save versions of your project. You'll learn about the staging area, committing your code, branching, and merging, and how you can use these to make you more efficient and effective.

[Instructor notes for lesson 2](#)

Lesson 3: Using GitHub to Collaborate

In this lesson, you'll get practice using GitHub or other remote repositories to share your changes with others and collaborate on multi-developer projects. You'll learn how to make and review a pull request on GitHub. Finally, you'll get practice by collaborating with other Udacity students to write to a create-your-own-adventure story.

[Instructor notes for lesson 3](#)

Acknowledgements

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-- Caroline and Sarah

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