
Hello everyone in this article I will tell you about **GIT**, **GITHUB** and **VERSION CONTROL SYSTEM**.



At a high level, GitHub is a website and cloud-based service that helps developers store and manage their code, as well as track and control changes to their code. To understand exactly what GitHub is, you need to know two connected principles:

1. VERSION CONTROL SYSTEM
2. GIT

VERSION CONTORL SYSTEM.

Version control helps developers track and manage changes to a software project's code. As a software project grows, version control becomes essential. Take WordPress...

At this point, WordPress is a pretty big project. If a core developer wanted to work on one specific part of the WordPress codebase, it wouldn't be safe or efficient to have them directly edit the "official" source code.

Instead, version control lets developers safely work through branching and merging.

With branching, a developer duplicates part of the source code (called the repository). The developer can then safely make changes to that part of the code without affecting the rest of the project.

Then, once the developer gets his or her part of the code working properly, he or she can merge that code back into the main source code to make it official.

All of these changes are then tracked and can be reverted if need be.

GIT.

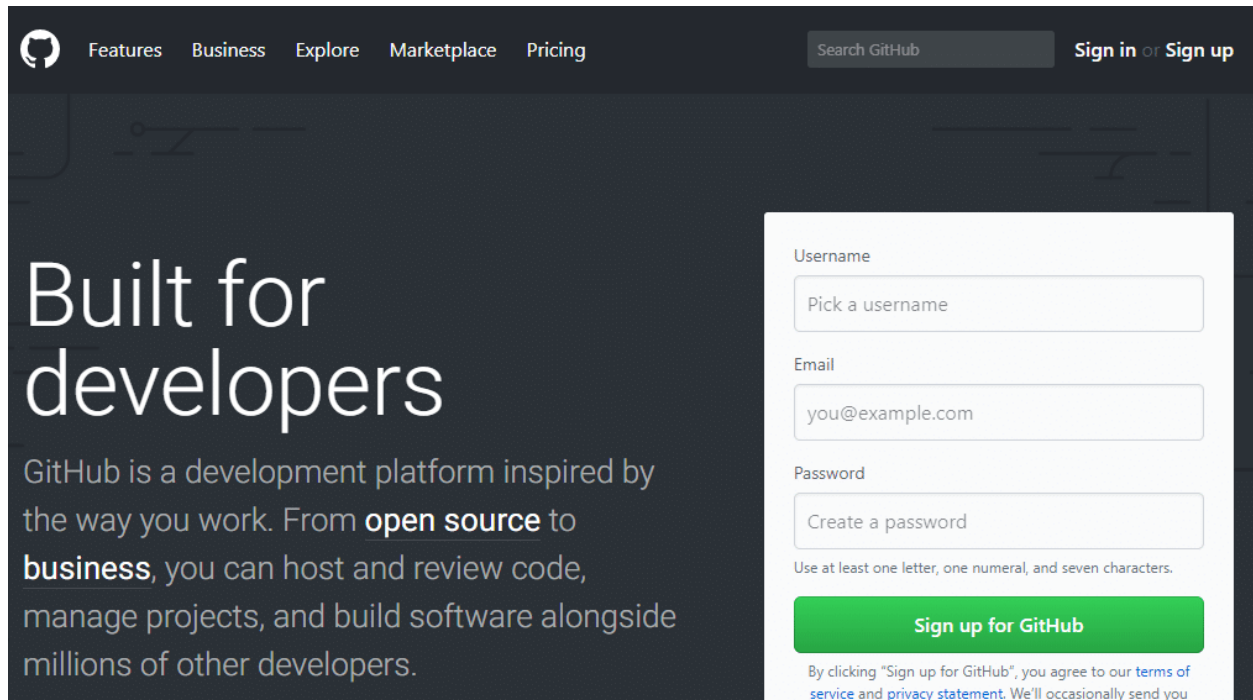
Git is a specific open-source version control system created by Linus Torvalds in 2005.

Specifically, Git is a distributed version control system, which means that the entire codebase and

history is available on every developer's computer, which allows for easy branching and merging.

According to a [Stack Overflow developer survey](#), over 87% of developers use Git.

SO WAHTS IS GTIHUB THEN?



GitHub is a for-profit company that offers a cloud-based Git repository hosting service. Essentially, it makes it a lot easier for individuals and teams to use Git for version control and collaboration.

GitHub's interface is user-friendly enough so even novice coders can take advantage of Git. Without GitHub, using Git generally requires a bit more technically savvy and use of the command line.

GitHub is so user-friendly, though, that some people even use GitHub to manage other types of projects - like writing books.

Additionally, anyone can sign up and host a public code repository for free, which makes GitHub especially popular with open-source projects.

As a company, GitHub makes money by selling hosted private code repositories, as well as other business-focused plans that make it easier for organizations to manage team members and security. We utilize Github extensively at Kinsta to manage and develop internal projects.

HOW TO GET STARTED WITH GITHUB.

To get started with GitHub:

- [Sign up](#) for a free GitHub account
- Follow the [GitHub Hello World guide](#) to understand the most popular actions you'll likely want to take
- Read: [WordPress Version Control \(What It Is and Best Solutions\)](#)
- Read: [Git vs Github: What's the Difference and How to Get Started with Both](#)

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