# GitHub

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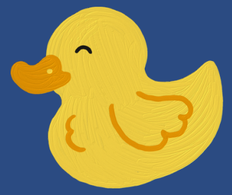


## #1 What is it?

Github is a web-based platform and cloud-base service that allows you to collaborate with other developers on any projects like  developing code, building web pages and updating content with the project and team management features located in the repositories.

## #2 Its history

GitHub, founded in 2008 by Tom Preston-Werner, Chris Wanstrath, and PJ Hyett, revolutionized software development and collaboration. Initially conceived as a platform to simplify code sharing, it quickly became the go-to hub for open-source projects, offering user-friendly interfaces and powerful features. With funding rounds and the launch of GitHub Enterprise, it expanded its reach to businesses. Microsoft's acquisition in 2018 for $7.5 billion marked a significant milestone, reassuring users of its independence. Under Microsoft's ownership, GitHub continued to innovate, introducing features like Actions and Discussions. GitHub's annual conference, Universe, showcases its commitment to collaboration and community impact, making it a cornerstone in modern software development.

## #3 What is it for?

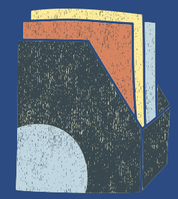
GitHub allows you to create, store, change, merge, and collaborate on repositories. This repositories can be private, to only you and those who you add, and public, everyone can modify it. Your members or the public can see the most recent version in real-time. Then, they can make edits or changes that the other collaborators also see.


## #4 How it works?

Simple, you create your own repository or join a public repository or one you were invited to. This is where the magic begins. With the above mentioned about what you can do in repositories it's time to learn about other functions that repositories have. Within repositories you can version control to review changes made to the main code, feedback from users who can report a bug or give a suggestion, pull requests for members to add their work to the main code, branches to modify a copy of the main code to avoid incompatibility, wikis with content about the repository and project management as a task list to help plan the progress of the project.

## #5 How to create a repository?

It is the easiest thing you can do within GitHub, you log in or create an account, access the main menu and click the green button that says “Create repository”, fill in some information about your repository and finish creating your repository.




## #6 How to create a file or upload one in a Repository?

In both cases you will need to do the following: go to your repository and in the top right corner of the repository is the green “Add file” button.

Now, in the case of uploading the file, select “Upload file”, then click on another button called “Choose your file” and upload the file to your computer. Next, you give a brief description of the changes you want to make to the file in the “Commit changes” field. Finally, finish and click on “Commit changes” and you are done, you have uploaded your file to the repository.

Next, if you want to create a new file, select “Create new file” and enter its name and extension. Then, in the large editing area, type or paste the content of the file you will create and as in the previous case give the brief description in “Commit changes”. Finally, you do the same by pressing “Commit changes” and you will have your new file.