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WEB DEVELOPMENT

GIT VS GITHUB

★ *Proper distinction..*

What is Git?
What is Github?
3 Primary actions
Git vs Github
Integrating Both
Push you changes
Recap

Learn all in one place →

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WHAT IS GIT ?

https://git-scm.com/

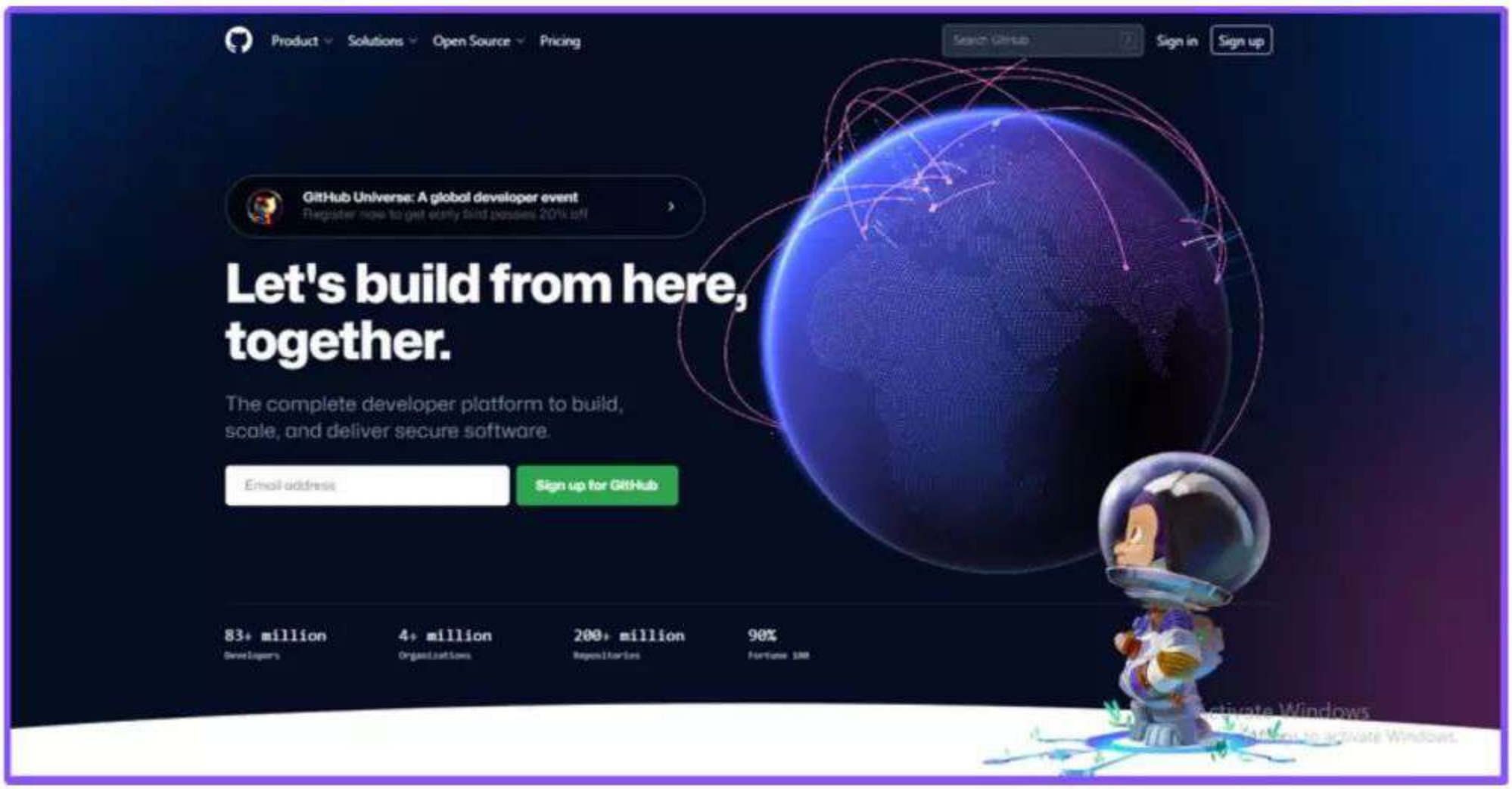
First of all, **GitHub** is not **git. Git** is a version control software **(VCS)** for developers.

Version control refers to the process of saving different files or ***'versions'*** throughout the various **stages of a project.**

What is Github?

WHAT IS GITHUB ?

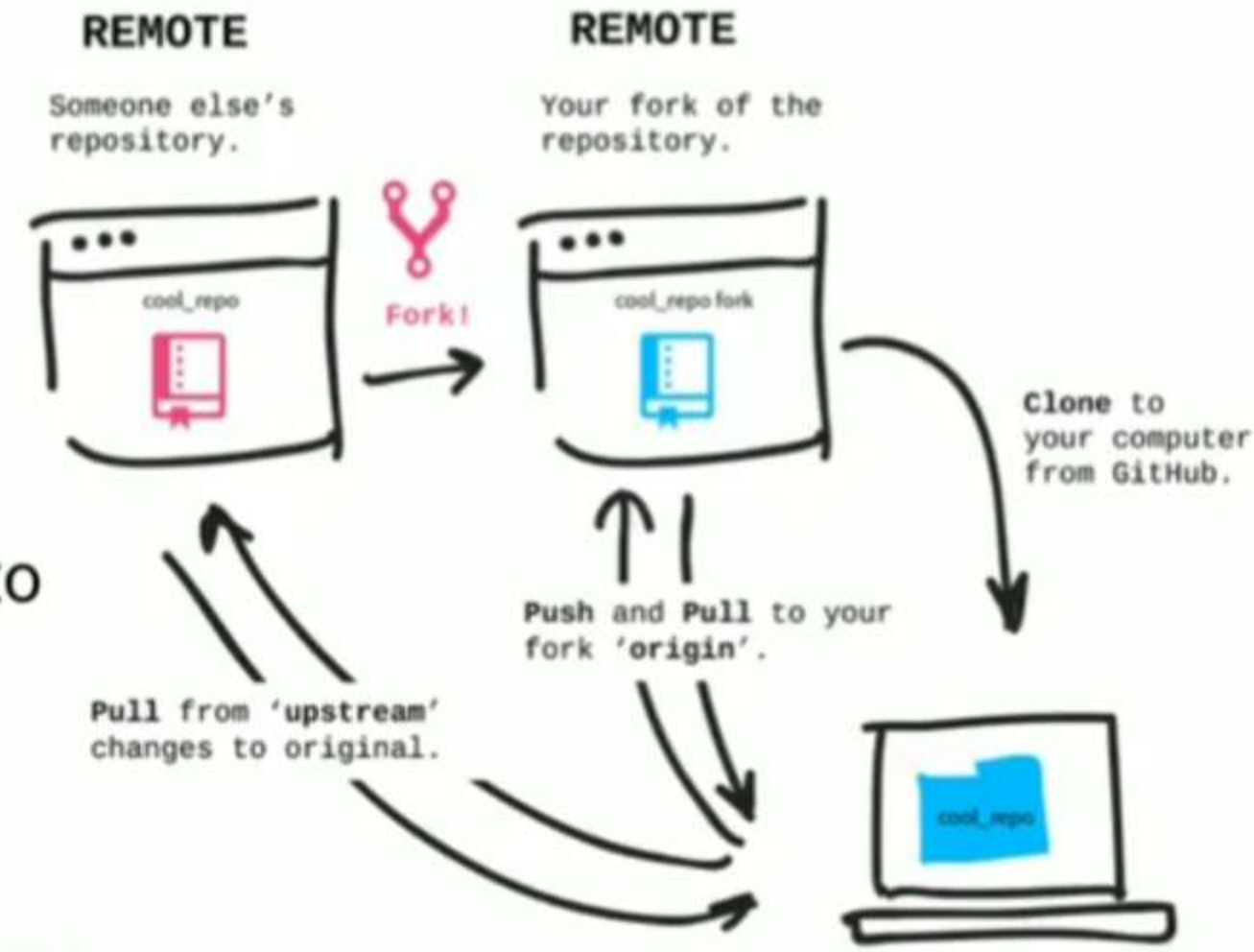
https://github.com/



GitHub makes it easier to collaborate using git. It's a platform that can hold repositories of code in cloud-based storage so that multiple developers can work on a single project and see each others' edits in real-time.

3 Primary Actions

3 Primary Actions to interact with other developers' code on GitHub :



Fork & Clone:

The process of **copying** another's code from the repository in order to modify it.

Pull :

When you've finished making changes to someone else's code, you can share them with the original owner via a **'pull request'.**

Merge :

Owners can **add new changes** to their projects via a merge, and give credit to the contributors who suggested them.

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GIT VS GITHUB

Git

First developed in 2005

Git is installed and maintained on your local system (rather than in the cloud)

One thing that really sets Git apart is its branching model

Git is a high quality version control system

VS.

GitHub

GitHub is designed as a Git repository hosting service

GitHub is exclusively cloud-based

You can share your code with others, giving them the power to make revisions or edits

GitHub is a cloud-based hosting service

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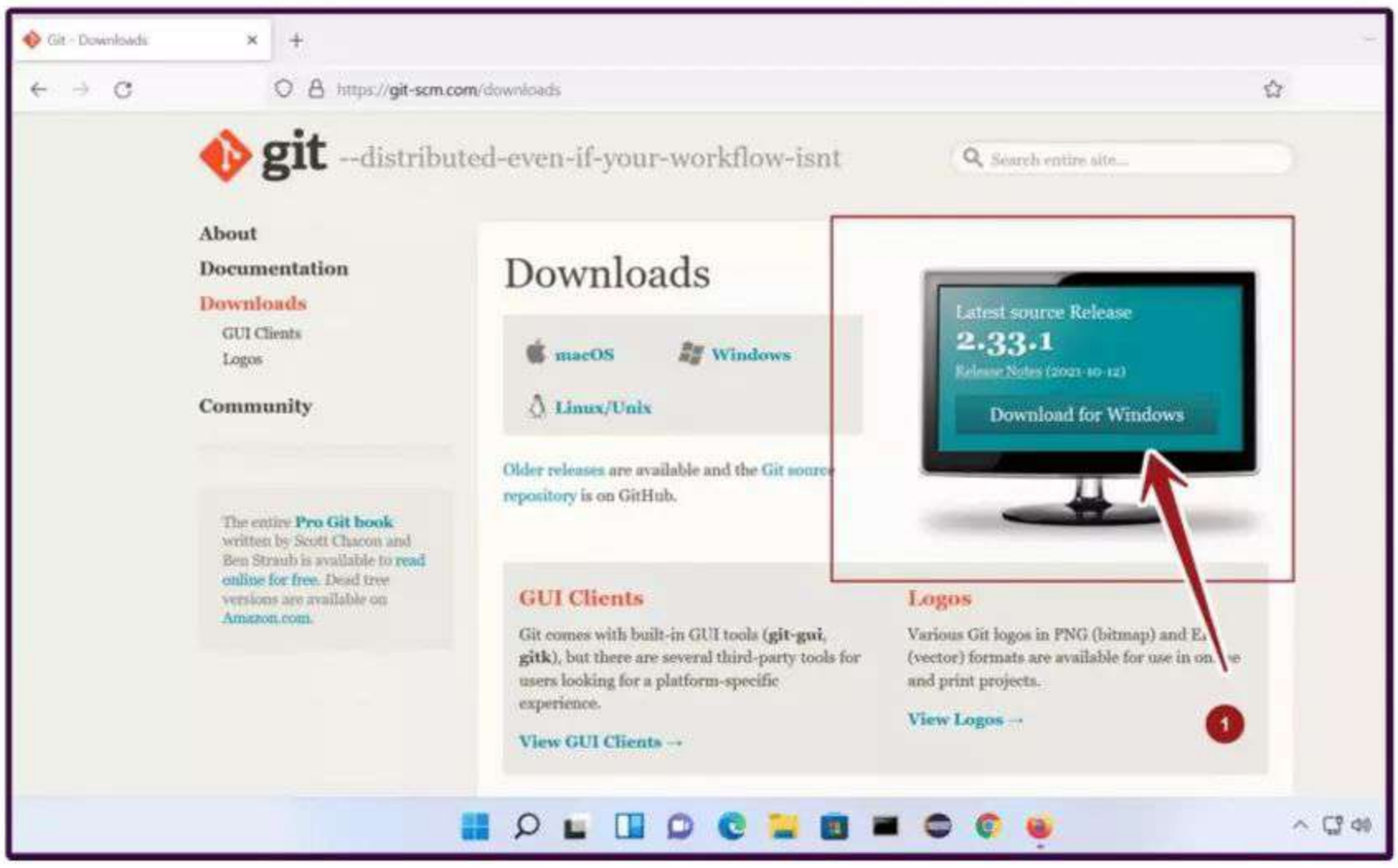
INTEGRATE GIT & GITHUB

STEP 1: Install git and Add a Repository ✓

First, download the git software for your Operating System (OS)



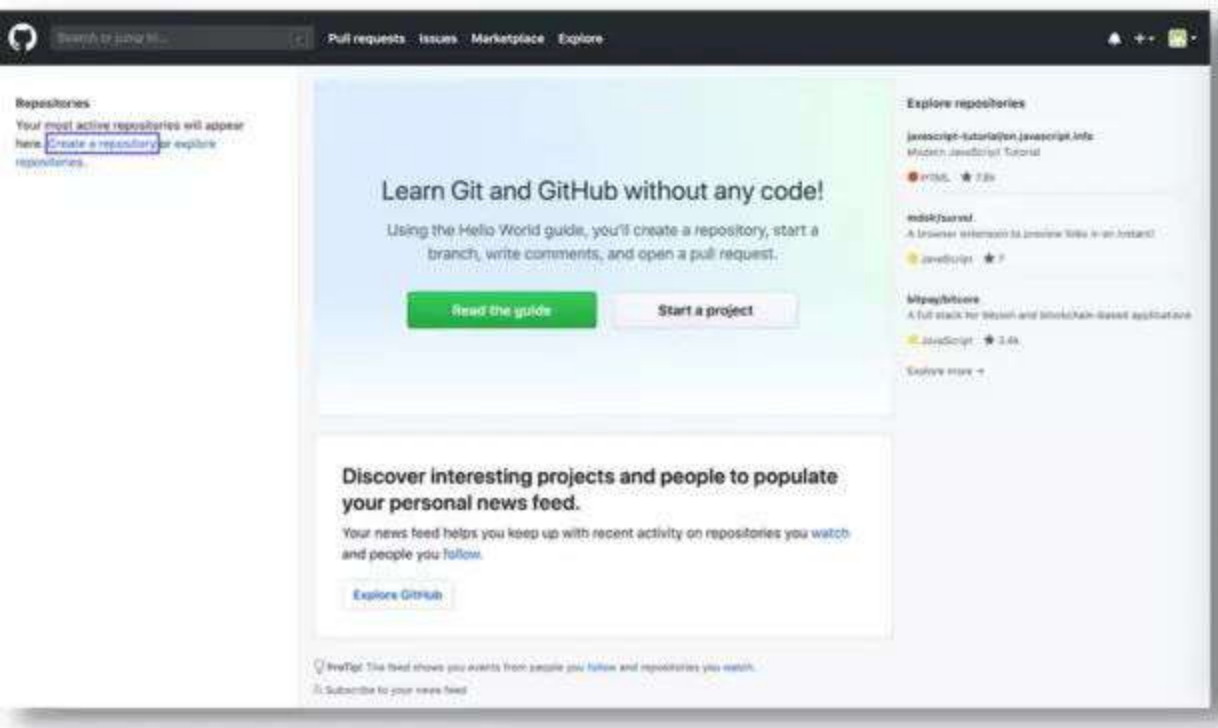
To connect git to **GitHub**, you'll need to add a repository and make at least one commit. You'll then have enough of your project established to start working in GitHub.

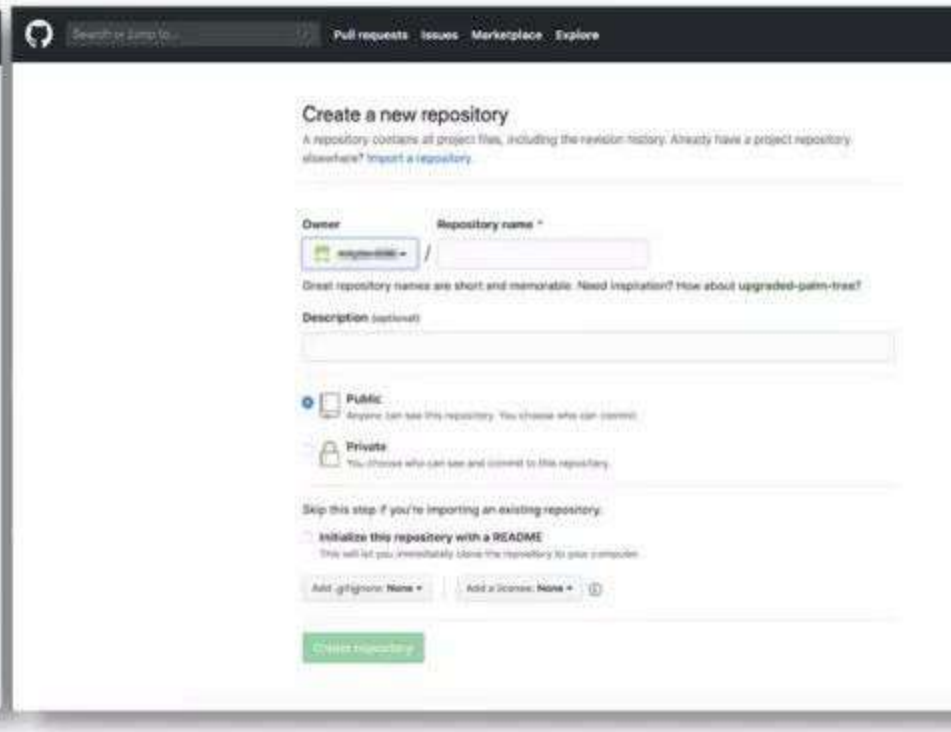
STEP 2 : Create a GitHub Account ✓

Next, you'll need a GitHub account. You can sign up for one for **free**.

STEP 3 : Add a GitHub Repository to Your Account

After you've created and set up your account, you'll need to create a repository in GitHub where you can store your project when you move it over from git.





STEP 4 : Push a Repository to GitHub

Since you've already set up your git repository, you can use the **push an existing repository** from the command line option.

STEP 5 : Pull Your Changes Back to git

While you can see all the changes you and others have made to your **project on GitHub,** the platform doesn't have direct access to your computer's files. In order to keep your project up-to-date on your computer, you'll need to pull your edits via git.

Recap! →

RECAP

To integrate **Git and GitHub,** you should follow these steps:

- [x] Install git, add a repository, and create a commit.
- [x] Create a GitHub account.
- [x] Add a GitHub repository to your account.
- [x] Push a commit to GitHub.
- [x] Pull your changes back to git.