



ABOUT

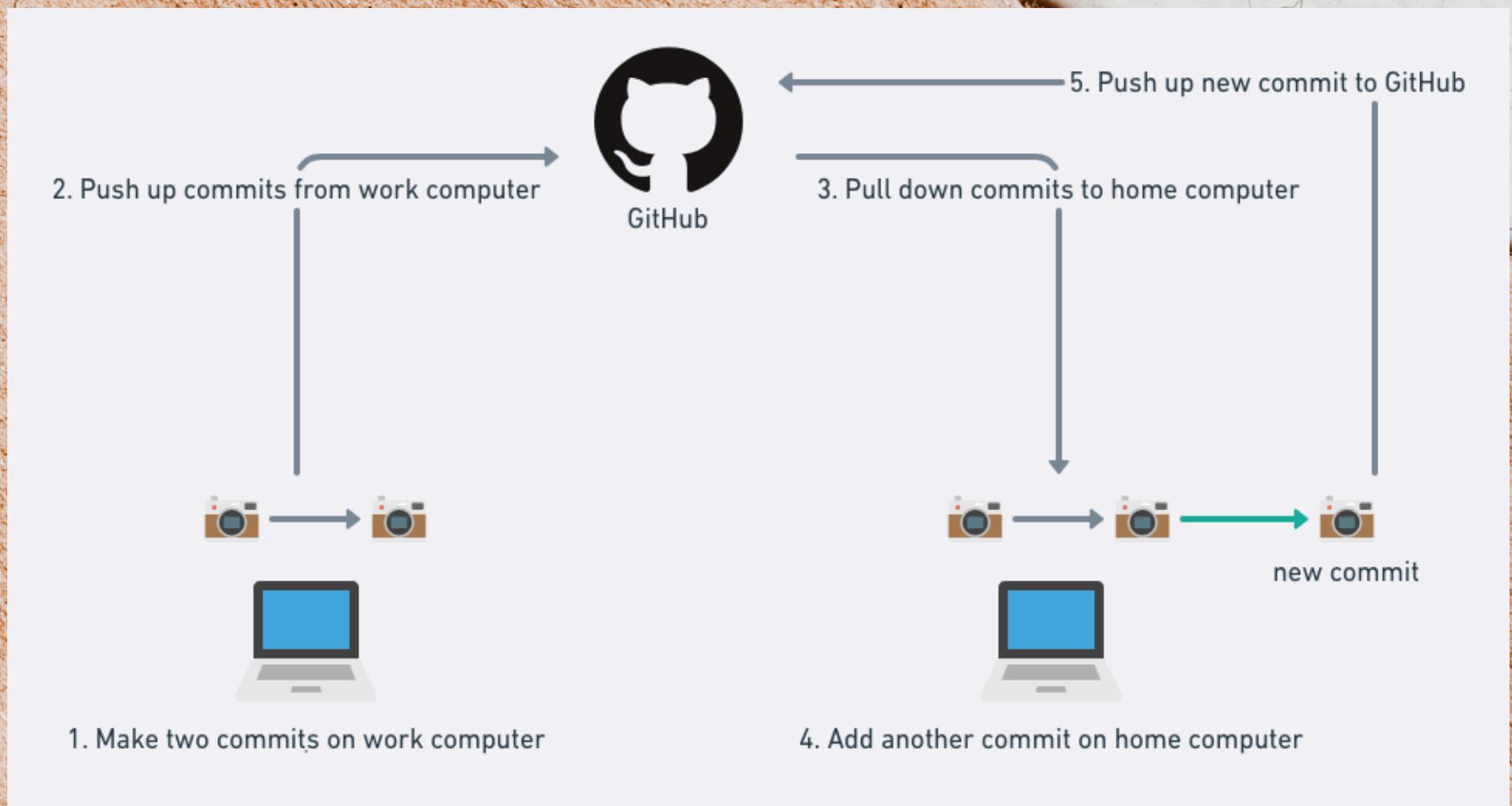
GITHOUSE

WHAT IS GITHUB?

GitHub is an online program development platform. It is used to save, track, and cooperate on program projects. GitHub also serves as a social networking venue where developers can network, collaborate, and display their work openly. Since its founding in 2008, GitHub has acquired millions of users and has established itself as a reference platform for collaborative software projects. This makes GitHub a type of social network for programmers and encourages a collaborative approach to program and website development.

WHAT IS GITHUB FOR?

It is an online software development platform used to store, monitor and work with software projects. It makes it easy to share code files and work on collaborative open source projects.



HOW GITHUB WORKS

The screenshot shows the GitHub Home page with several sections:

- Create your first project:** Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.
- Create repository** and **Import repository** buttons.
- Recent activity:** A placeholder message: "When you take actions across GitHub, we'll provide links to that activity here."
- Start writing code:** A section to "Start a new repository for Juan12Jose10". It includes a text input for the repository name (e.g., "name your new repository..."), a radio button for "Public" (Anyone on the internet can see this repository), and a selected radio button for "Private" (You choose who can see and commit to this repository). A "Create a new repository" button is present.
- Introduce yourself with a profile README:** A section to "Share information about yourself by creating a profile README, which appears at the top of your profile page." It shows a sample README.md content:

```
1 - 🌟 Hi, I'm @Juan12Jose10
2 - 🛠️ I'm interested in ...
3 - 🎓 I'm currently learning ...
4 - ❤️ I'm looking to collaborate on ...
5 - 📩 How to reach me ...
6 - 😊 Pronouns: ...
7 - 🚀 Fun fact: ...
8 - 🐧 I'm a dog!
```

A "Create" button is at the top right of this section.
- Use tools of the trade:** A section to "Simplify your development workflow with a GUI". It features the GitHub Desktop icon and the text: "Install GitHub Desktop to visualize, commit, and push changes without ever touching the command line."
- Get AI-based coding suggestions:** A section to "Try GitHub Copilot free for 30 days, which suggests entire functions in real time, right from your editor." It features the GitHub Copilot icon.

GitHub users create accounts, upload files, and invent coding projects. However, the real work of GitHub happens once users start contributing. While anyone can code freely, most development projects are built by groups of individuals. GitHub simplifies this process in a few different ways. In the first instance, all code and documentation remain in one place. As an example, let us mention that 2 developers remain doing work on different code fragments. These 2 pieces of code should work together. However sometimes one piece of code can cause other code to fail. Or one piece of code may have an unpredictable effect on the performance of other code. GitHub also allows you to track changes and revert to previous variants of a plan.

HOW TO CREATE A REPOSITORY

Once you have a Git repository, there are several essential concepts and commands to understand:

1. Branches

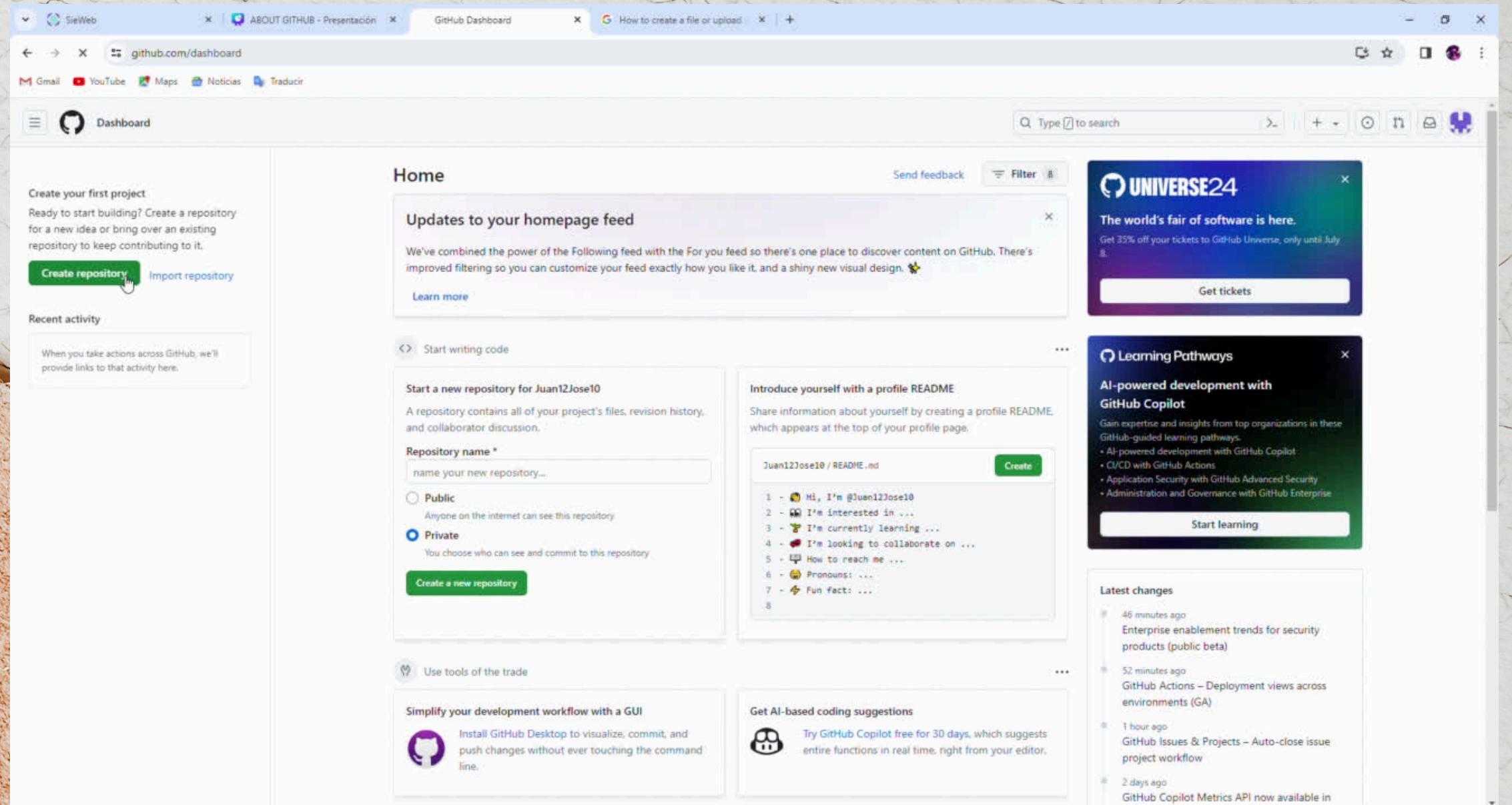
Git allows you to create branches, which are independent lines of development. Use the command `git branch` to list existing branches and `git checkout <branch_name>` to switch between branches.

2. Commits

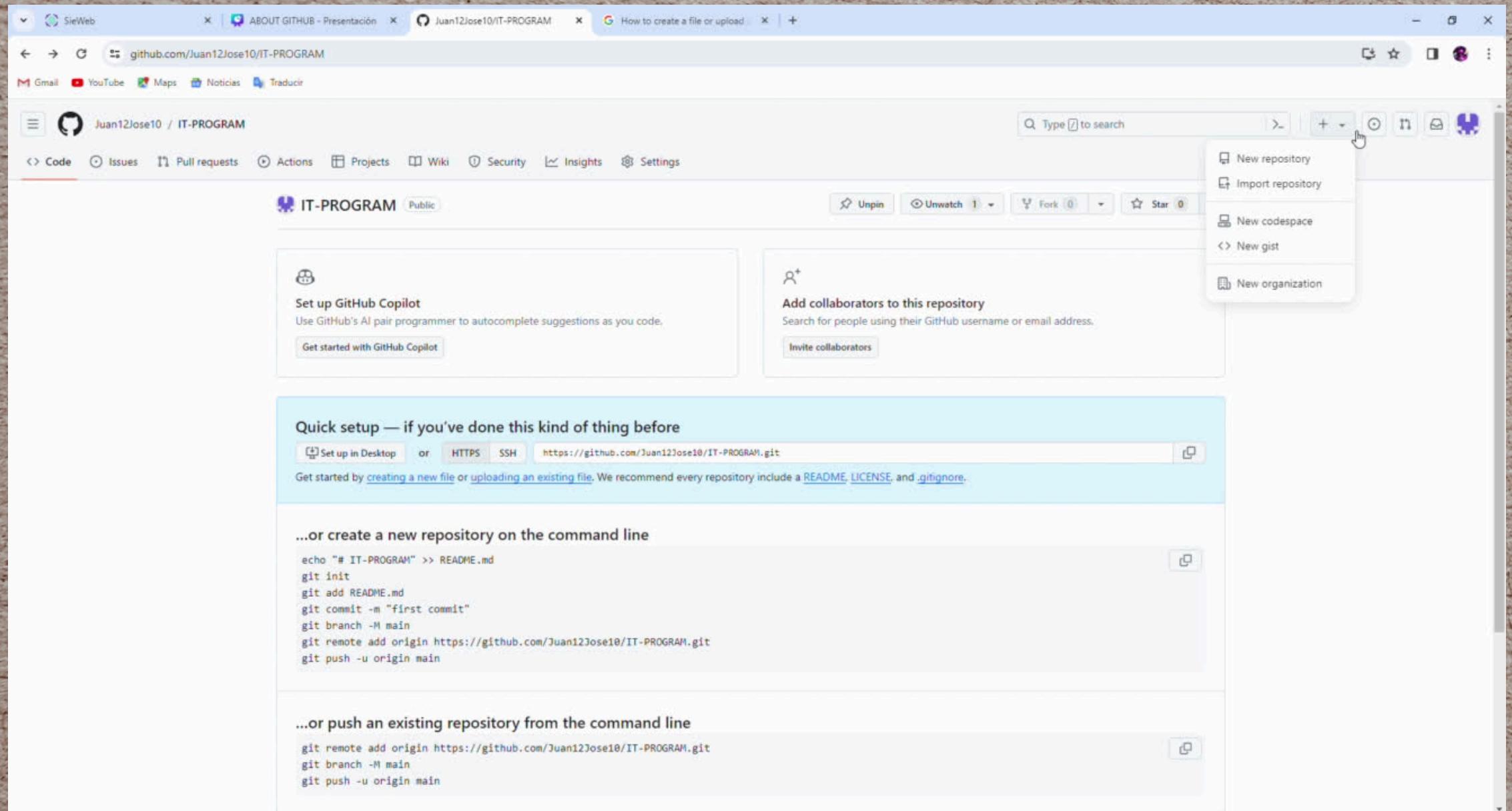
A commit represents a snapshot of your project at a specific point in time. To create a commit, use the command `git commit -m "Commit message"` after staging your changes with `git add`.

3. Staging

Before committing changes, you need to stage them. Use `git add <file_name>` to stage specific files or `git add .` to stage all changes in the current directory.



HOW TO CREATE A FILE OR UPLOAD ONE IN A REPOSITORY



On GitHub.com, navigate to the repository home page. Above the list of files, select the Add File drop-down menu and click Upload Files. To select the files you want to upload, drag and drop the file or folder, or click choose your files.

**MUCHAS GRACIAS
POR SU ATENCION**