



Hello, Git

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Agenda

- Introduction to Git
- Git vs GitHub/GitLab/BitBucket
- How to collaborate on Git
- Interactive Workshop



When you're dead but remember you forgot to git commit git push your last code iterations



GIT PUSH ORIGIN MASTER --FORCE



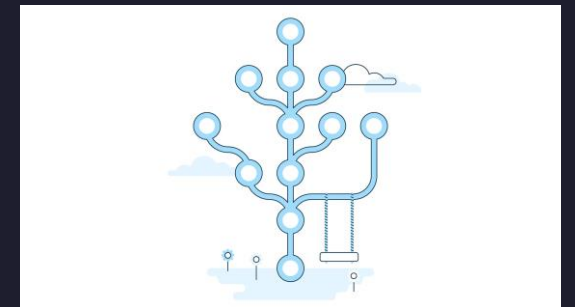
When your coworker asks you which git branch you're currently working on



What is Git?



- Version control software tools have existed since 1960s
- Git is one of the most popular version control systems in the world
- Developed by Linus Torvalds (yes, that guy) in 2005 as an open-source version control software to be used on Linux
- Saves snapshot of all files inside a repository (folder)
- Allows programmers to view history and checkout the files' contents from any saved commits (version)



Git lets you keep a **timeline** of your changes, called a **repository**

Each point is called a **commit**

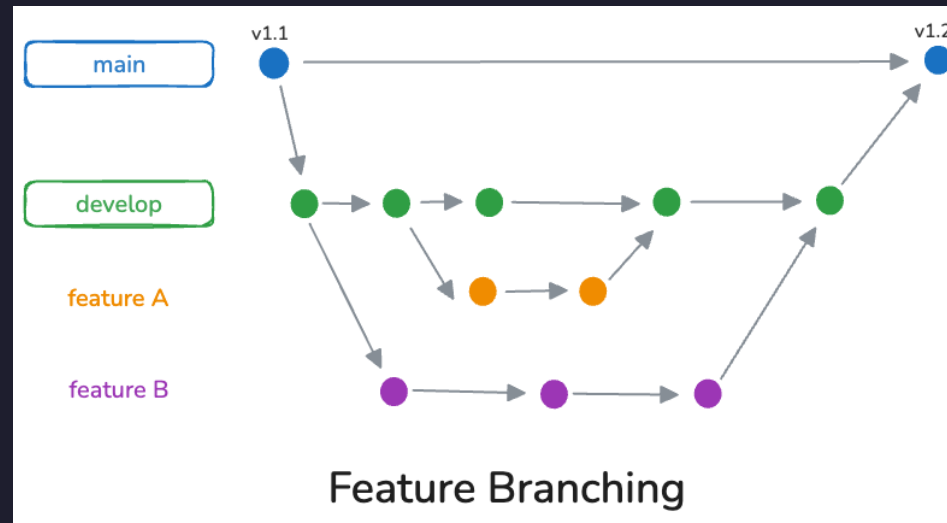


You can have multiple timelines



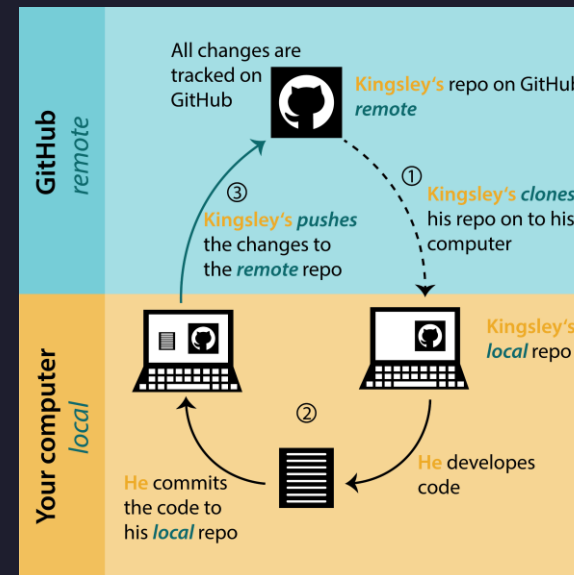
Branching

- Branching allows for multiple developers to work on the same repo without interfering with each other's work
- Branches can be merged which will combine their changes and histories

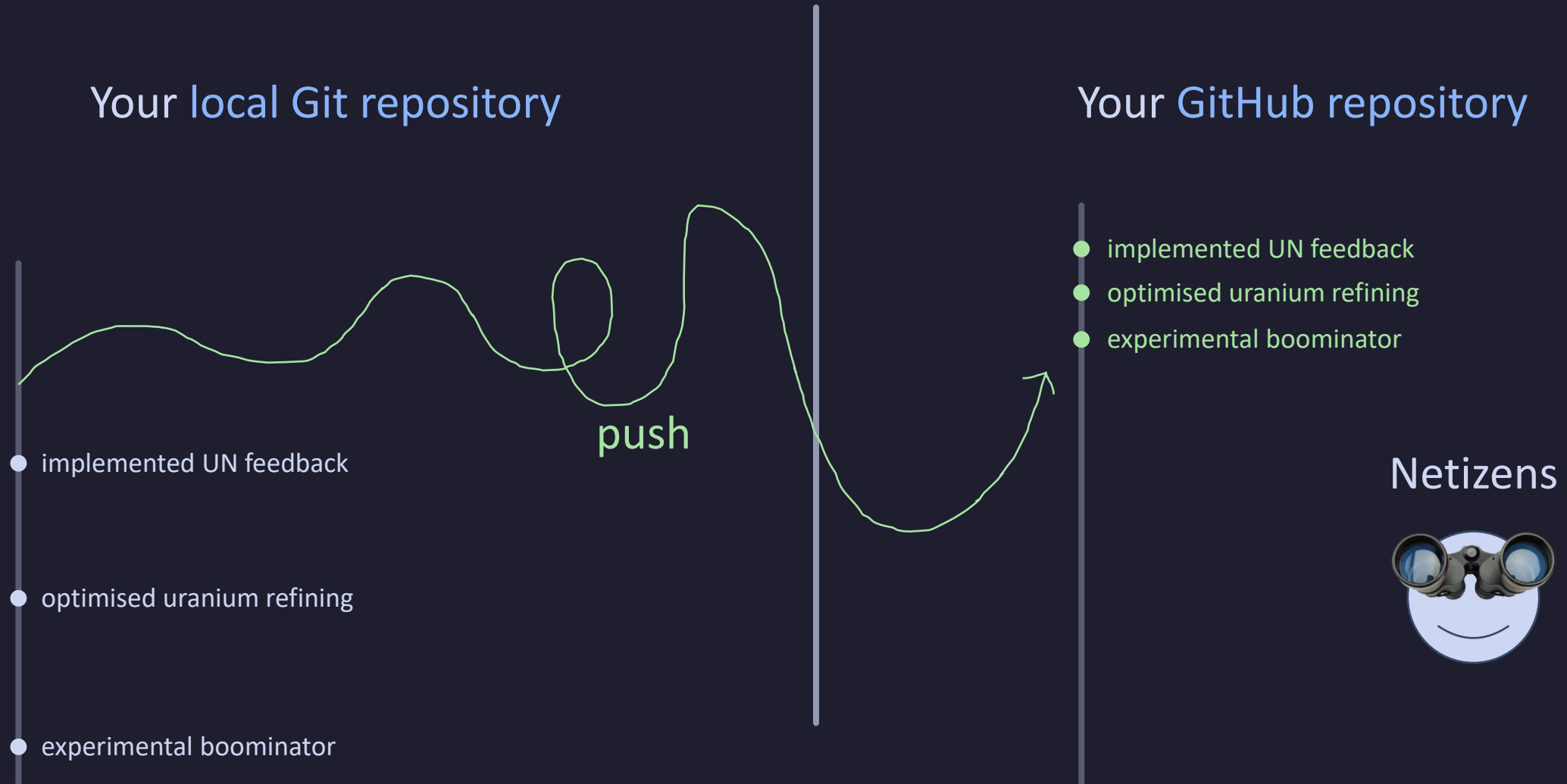


Git vs GitHub/GitLab/BitBucket

- Git is a version control software. You can install Git on your computer
- GitHub/GitLab/BitBucket are collaborative version control platforms that use Git for distributed version control
- Git = File Explorer, GitHub = OneDrive/SharePoint



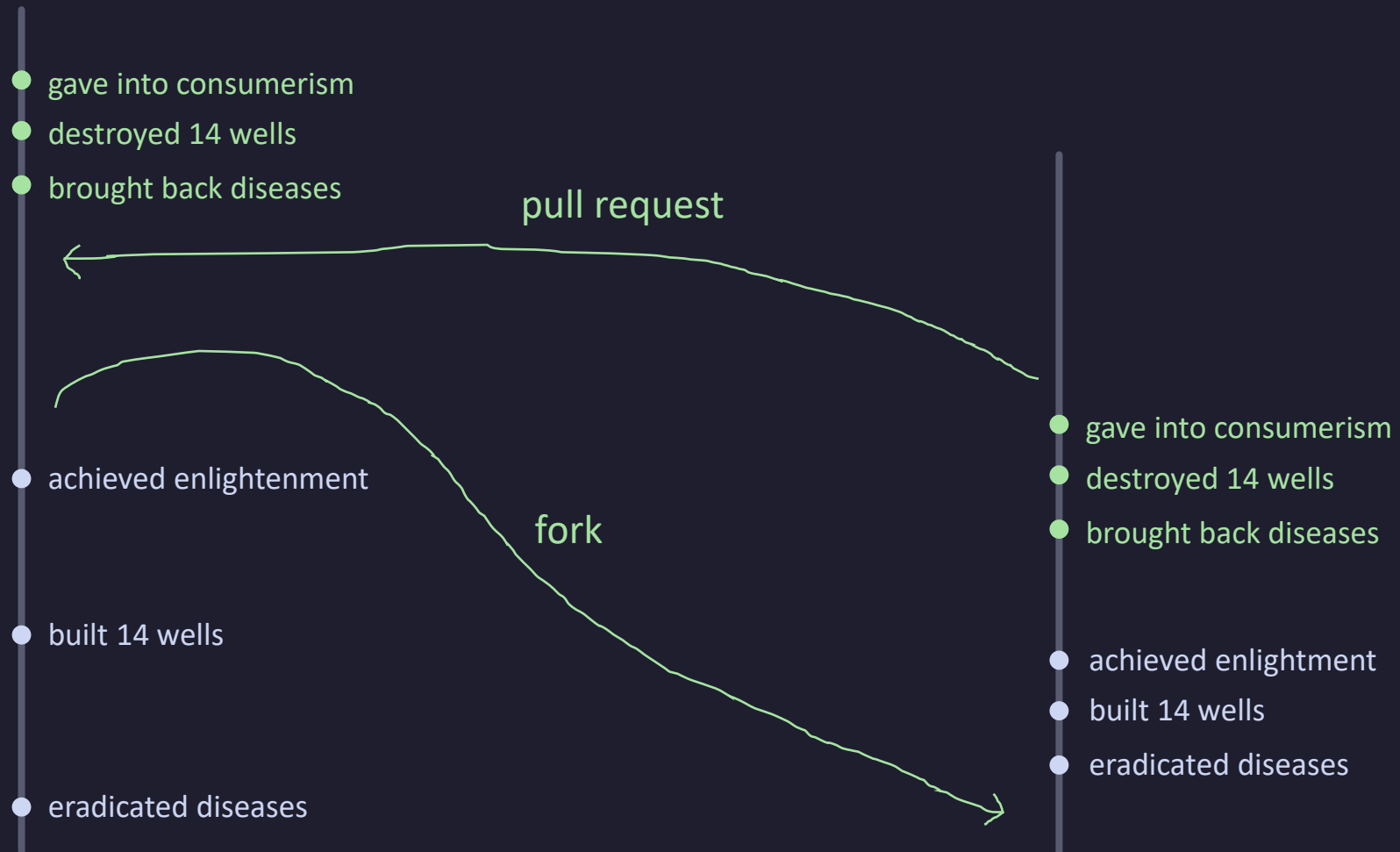
GitHub lets you share Git repositories with other people



Contributing to GitHub repos

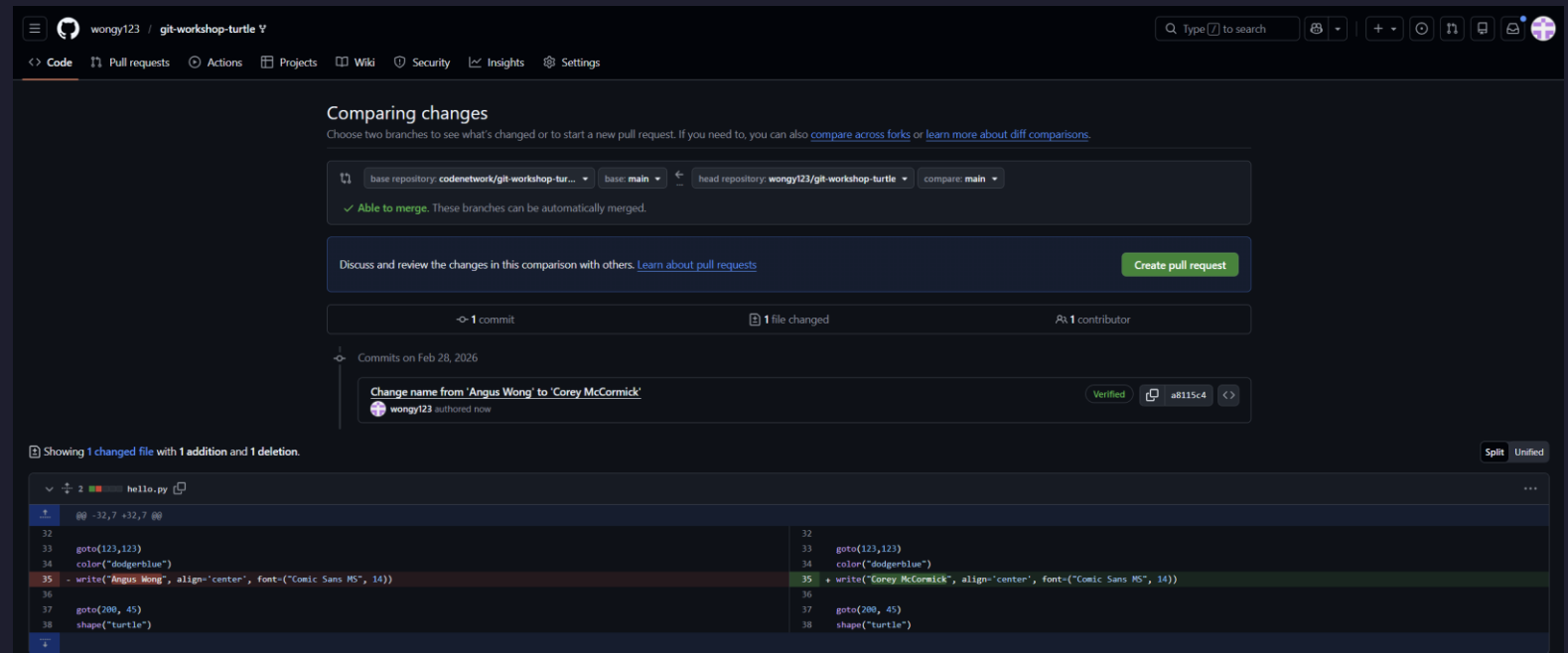
Someone's GitHub repo

Your fork



Forking

- Forking is available on remote Git platforms
- Forking creates a copy of the original repo under your control
- Make changes and push to your fork, then create a Pull Request to the original repo



Workshop – make your first contribution

Visit <https://github.com/codenetwork/git-101-2026>

- Read the instructions and set up your Git
- Fork the repo, then clone your own forked repo
- Add your name to Program.cs, add to stage, commit, and push
- Create a pull request to the original repo
- Put your hand up and a facilitator will help merge it!

Open <https://codenetwork.github.io/git-101-2026/> to see the results, or scan the QR code

