git

GitHub

WHAT IS GITHUB? WHY USE OF GITHUB FOR PROJECTS?

- GITHUB IS A COLLABORATION PLATFORM BUILT ON TOP OF A DISTRIBUTED VERSION CONTROL SYSTEM CALLED GIT. ONE DOES NOT HAVE TO WORRY ABOUT LOSING DATA ON HIS HARD DRIVE OR MANAGING A PROJECT ACROSS MULTIPLE COMPUTERS - ONE CAN SYNC FROM ANYWHERE. YOU CAN TRACK ISSUES, BUILD & TEST THE THINGS AND FINALLY DEPLOY.
- WHY USE OF GITHUB FOR PROJECTS?
  - Version Control (Allows experiments and mistakes without messing up in final product)
  - Keep your Code in One Place
  - Great Collaboration Platform

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

GitHub

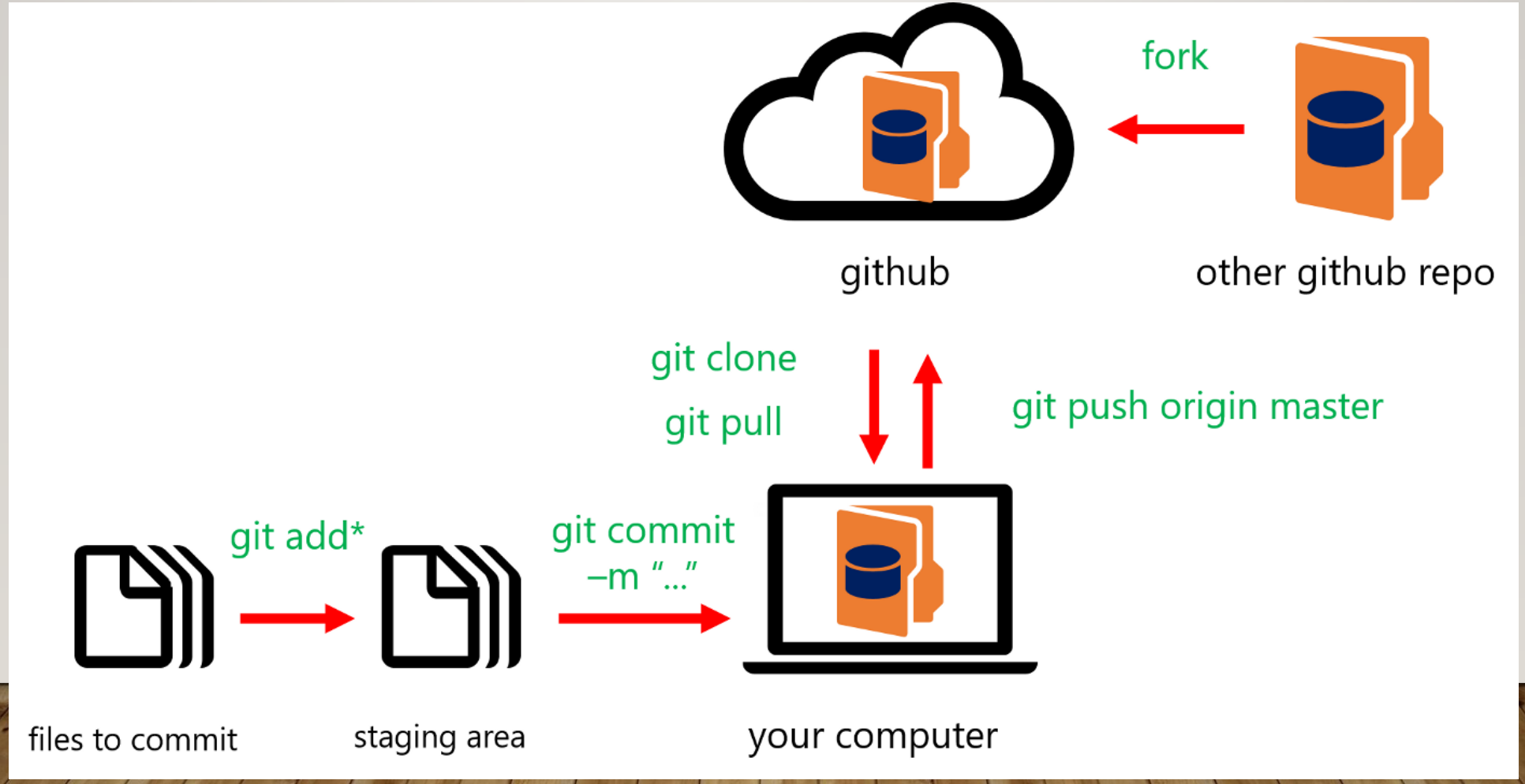
GitHub is designed as a Git repository hosting service

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

HOW GITHUB WORKS



Create Account in GitHub

https://github.com/

Downloading Git

https://git-scm.com/download/win

GIT COMMANDS - 1

Git Task	Git Commands
Tell Git who you are	git config --global user.name "Sam Smith“ git config --global user.email “sam@example.com”
Create a new local repository	git init
Add files	git add <filename> git add .
Commit	git commit -m "Commit message"
Status	git status
Connect to a remote repository	git remote add origin <your repository URL>
Push	git push

GIT COMMANDS - 2

Git Task	Git Commands
Update from the remote repository	git pull or git fetch
Undo local changes	git reset or git reset --soft HEAD~1