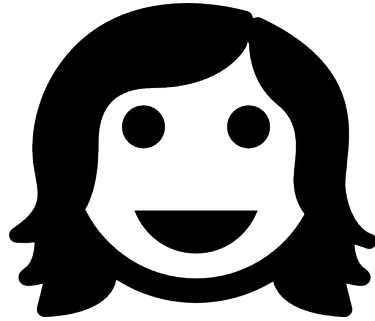
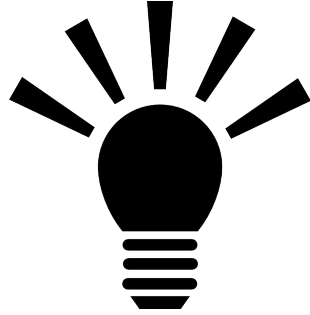


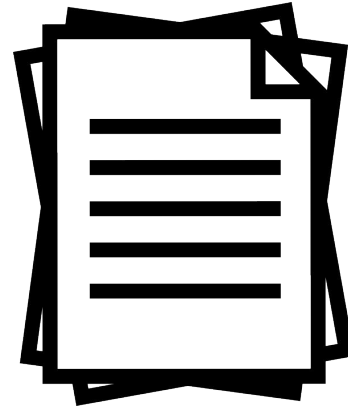
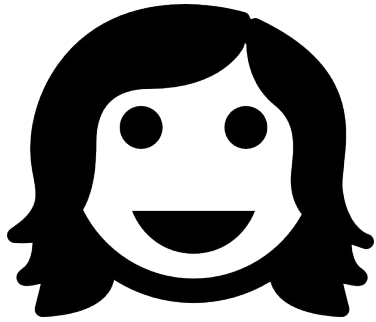


An introduction to **Git**

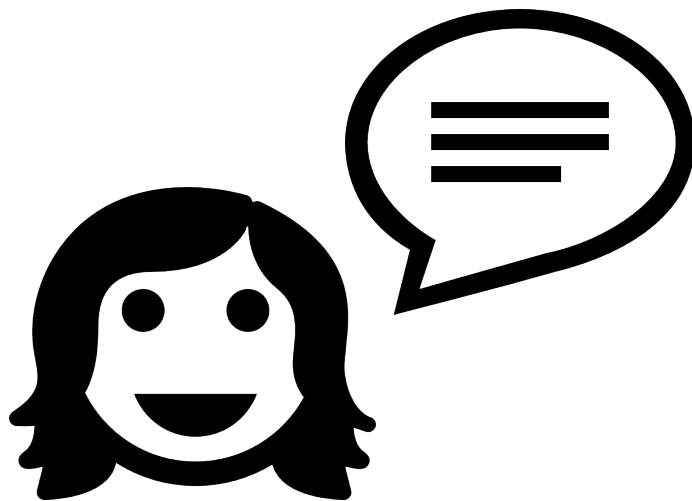
Story time

Think back to **2005...**

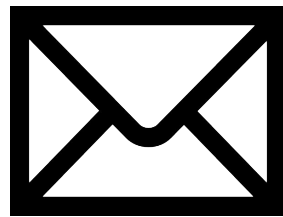
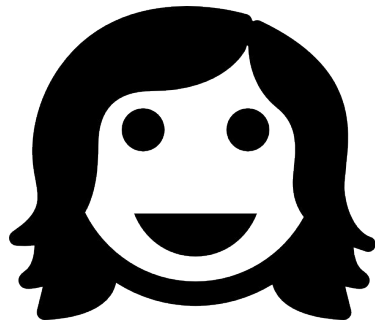




code



your friend

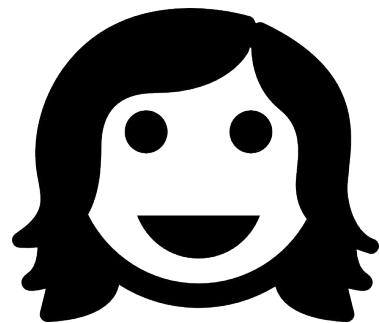
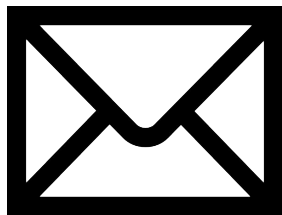


email



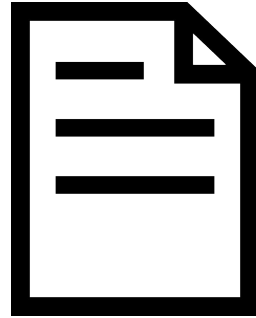


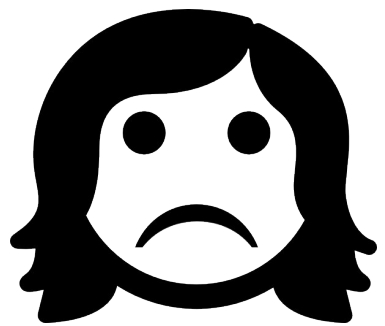
his copy of
your code

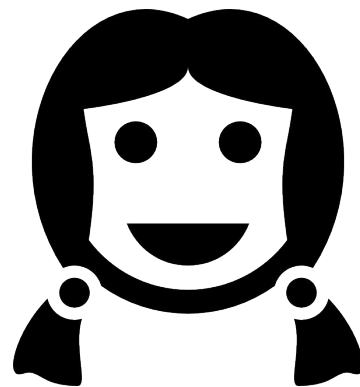
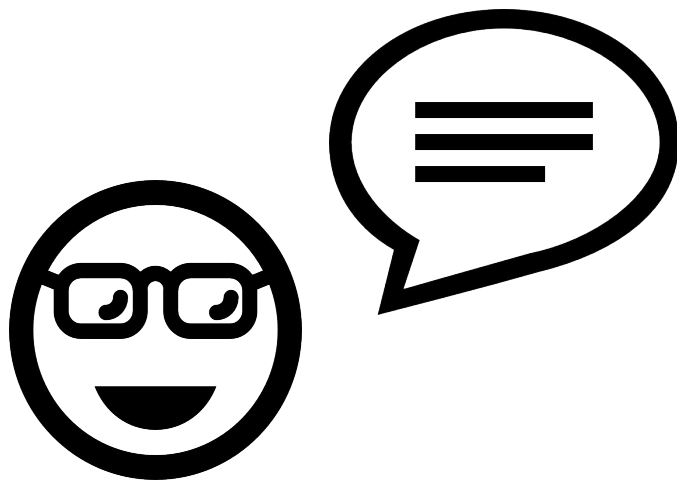




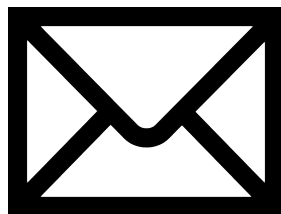
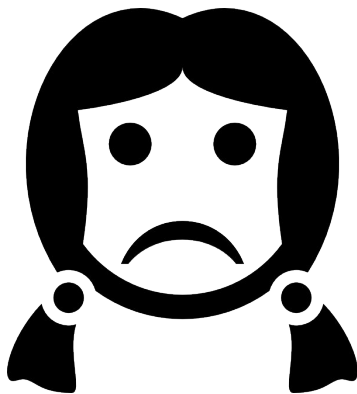
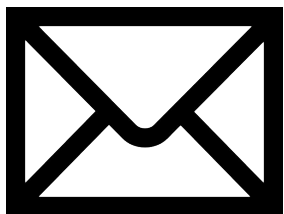
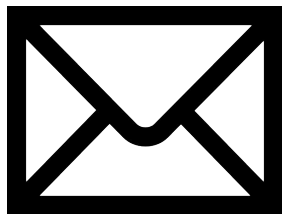
changed the
same file!

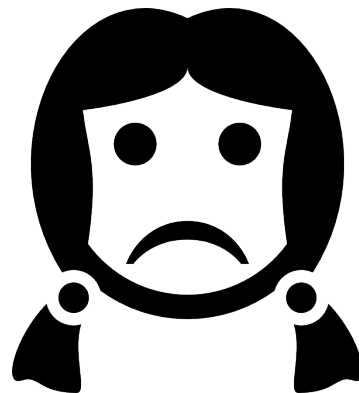
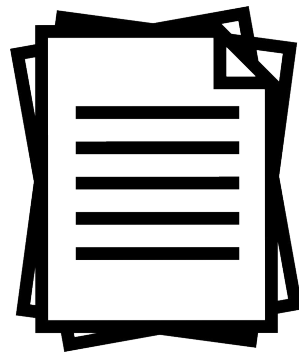






his friend

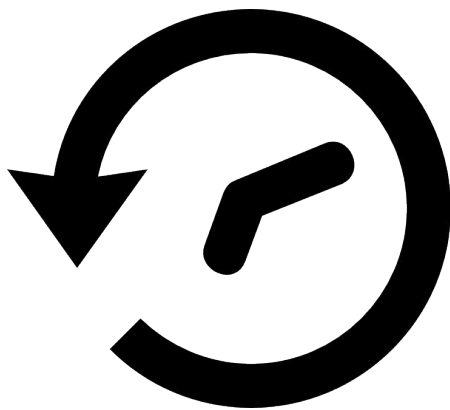






Git to the rescue!

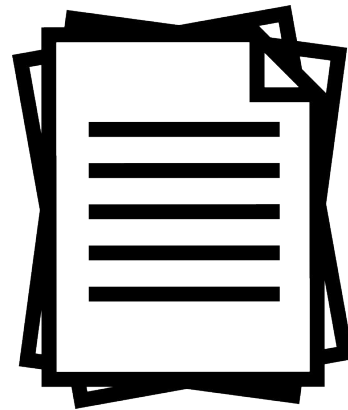
Vocab time

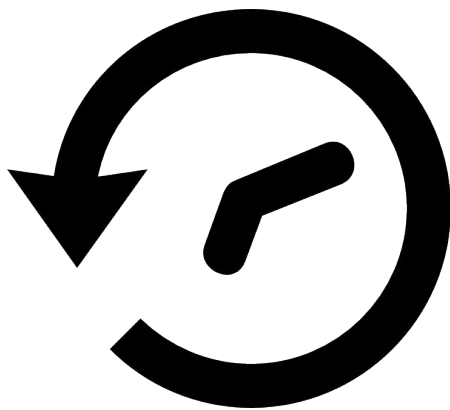


Version Control System

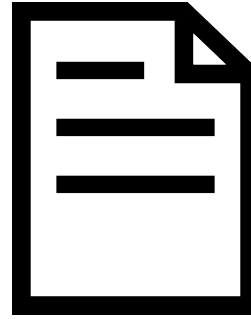


deleted
file, oops!





Use Git to find the **missing file**

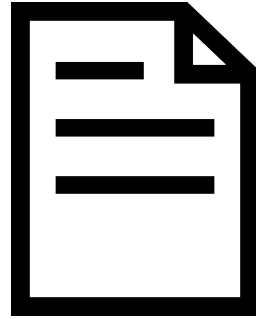


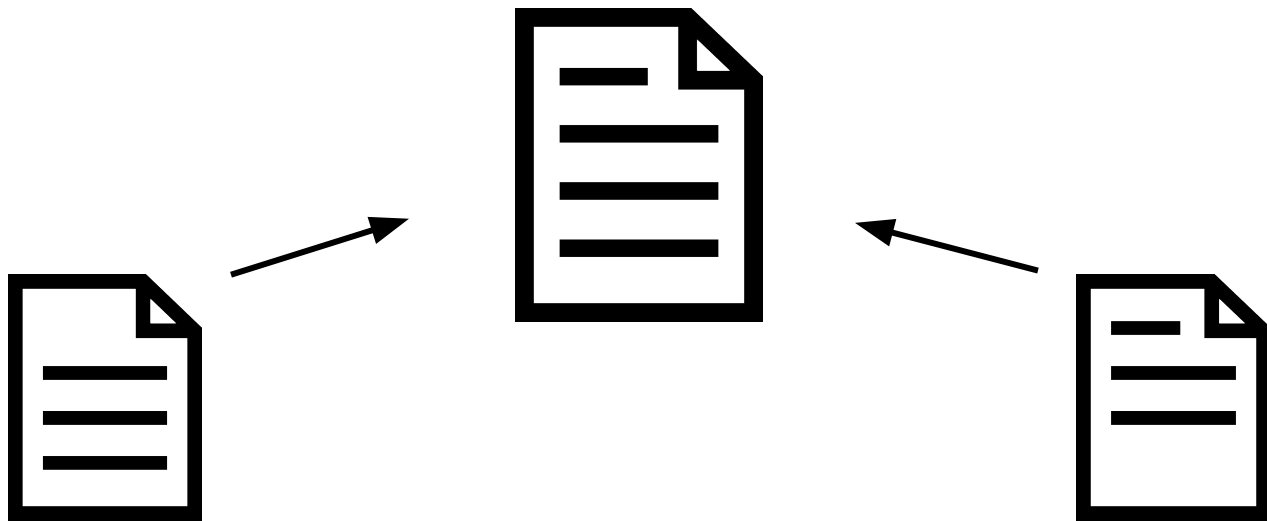
Revision

Control



changed the
same file



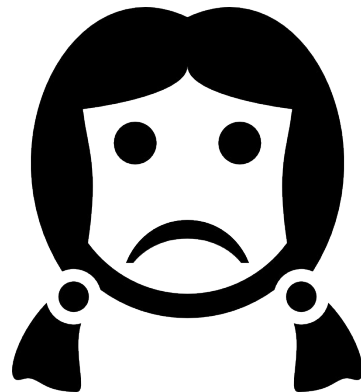
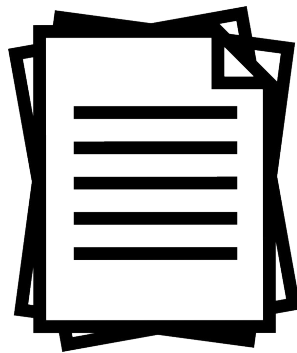


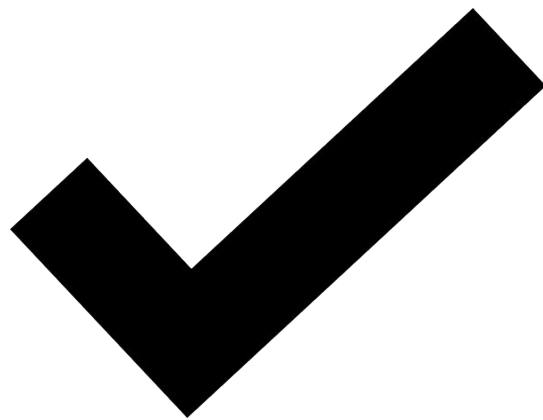
Use Git to **merge** files



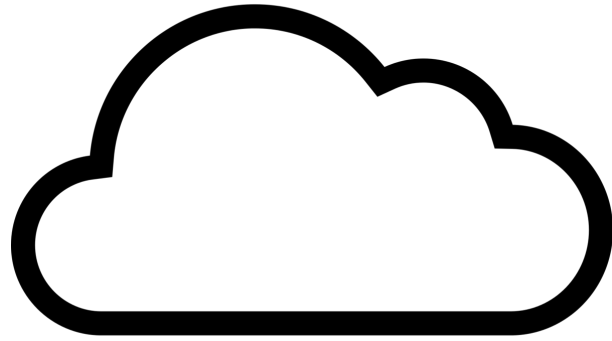
?

multiple copies





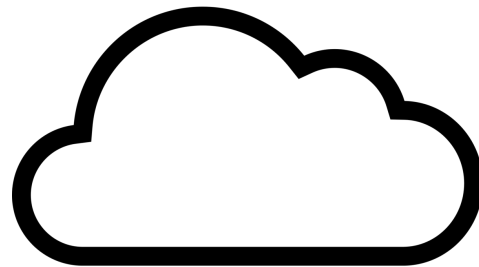
Use Git to have a **master** version



Distributed Revision Control



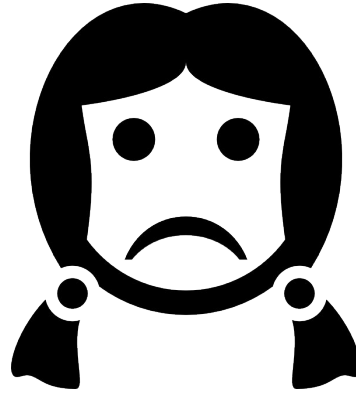
your
computer

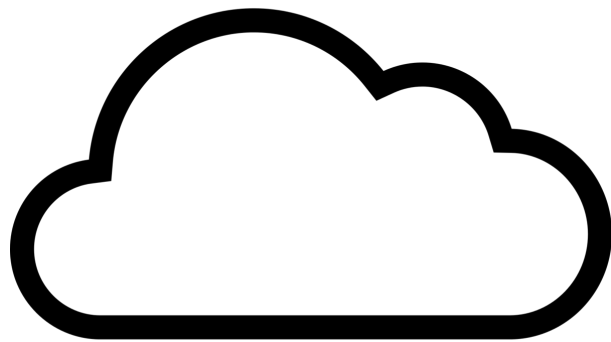


cloud



computer
virus





Use Git to get a **backup**



Git is awesome!

Big picture **concepts**

Workflow

Git has three stages of “readiness”



working



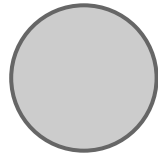
staged



committed

Commits

Snapshot your code with a **commit**.



single commit

Make new commits after **changing** your project.

first commit

second commit



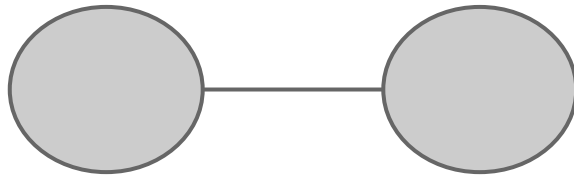
changes

Commit **early**.

Commit **often**.

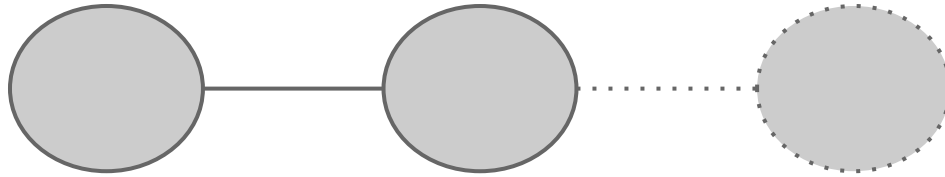
Branches

These commits are on **master** - it is the canonical version.

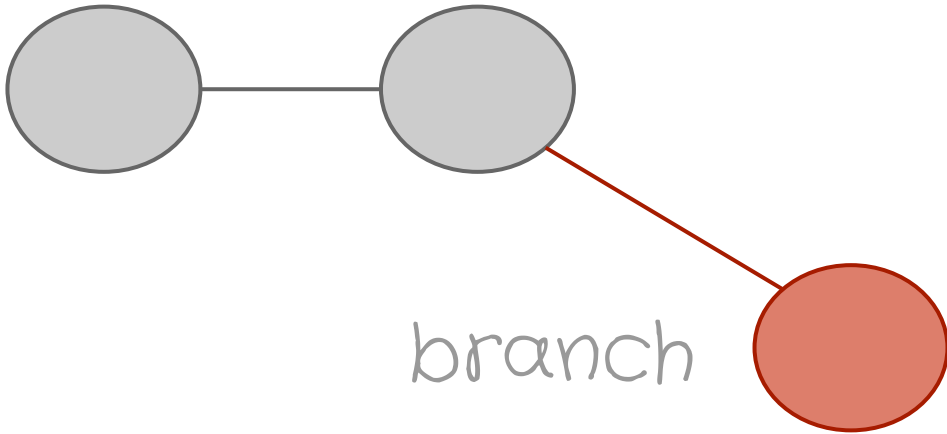


master

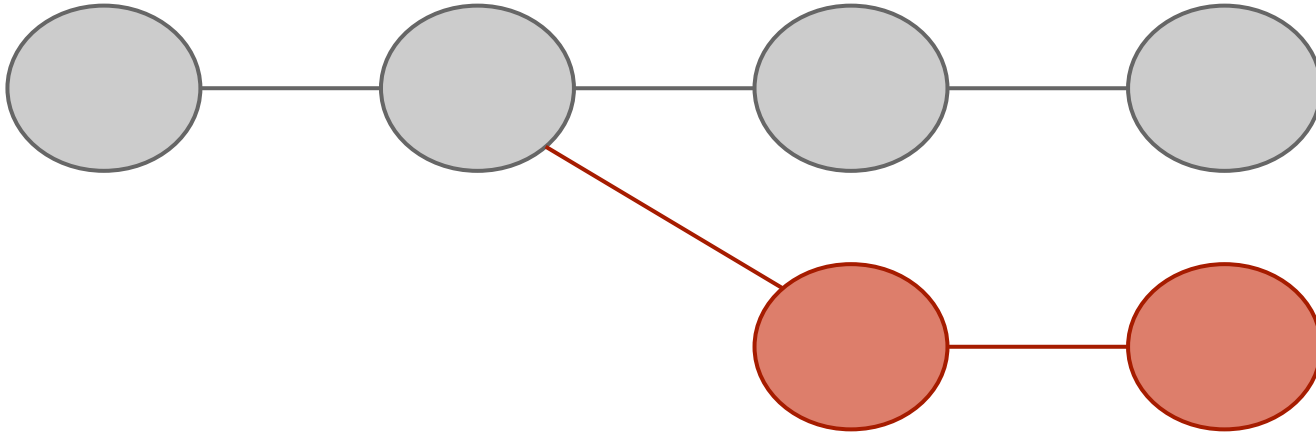
You might want to keep work separate,
and not commit it on master.



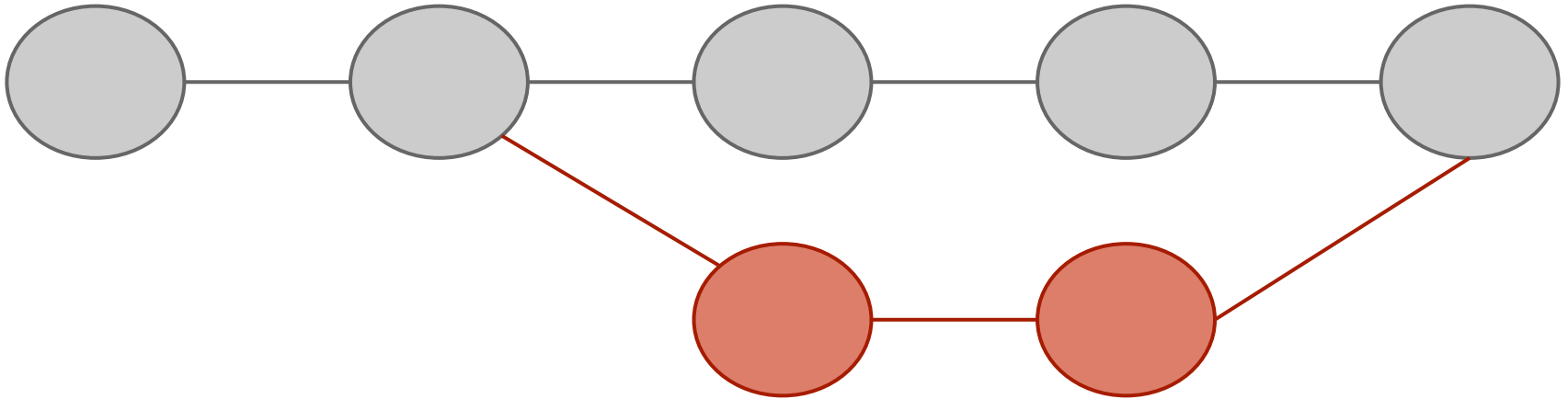
Branches allow you to commit without impacting master.



Now you can **commit** to master and your branch **independently**.



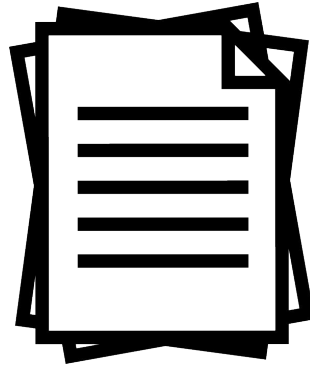
When you're ready, you can **merge** your branch back into master.



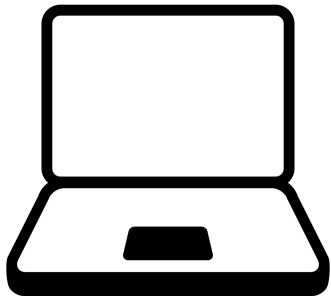
Branch **before** you need to.

Repository
(repo)

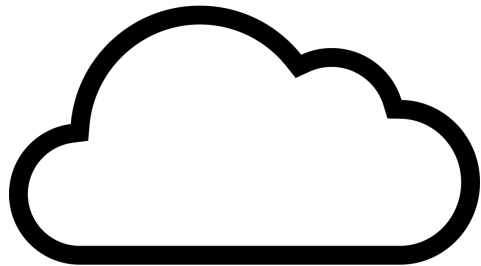
The **repo** contains all your files, commits, and branches.



You have **multiple** repos.

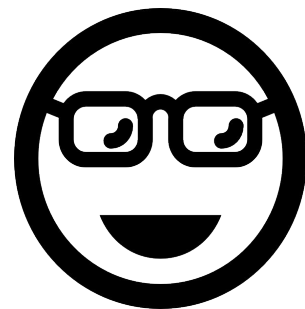
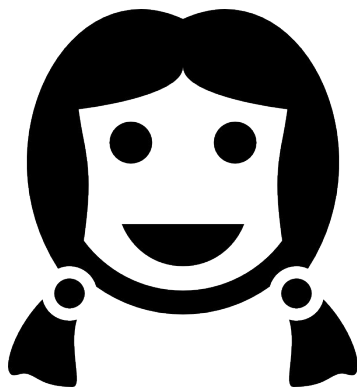
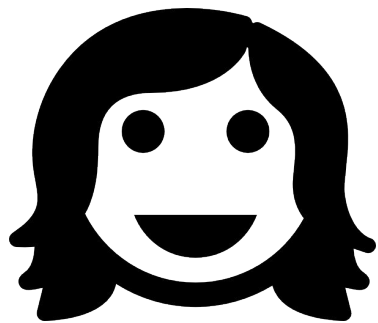


local



remote

Make a **remote** repo early.



lucybain.com/resources/git-info

Icons are from **The Noun Project**:

Idea designed by Andrew Laskey

Document designed by Rob Gill

Speech Bubble designed by Samuel Q. Green

Document 2 designed by Prerak Patel

History designed by John Caserta

Database designed by Anton Outkine

Check Mark designed by Hrag Chanchanian

Cloud designed by Pieter J. Smits

Thanks to:

Benjamin Humphrey (humphreybc.com) for design work

Questions?

