

Using Git and GitHub to safely store your code

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Your project

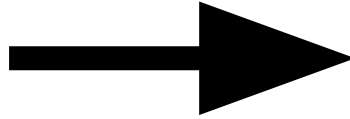


A

Getting from version A to B

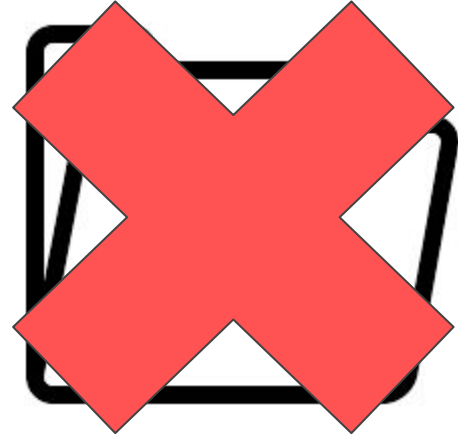
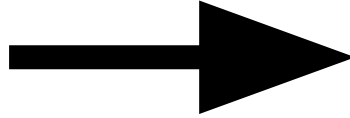


A



B

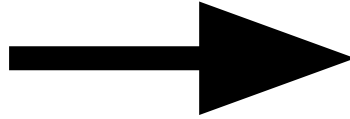
What if B broke things?



Manage by hand



A



A.2019.07.10

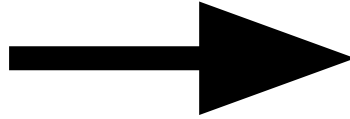
Road to madness

- A.2019.07.10
- A.2019.07.11
- A.2019.07.11v2
- A.2019.07.11v2withcomments
- A.2019.07.11v2withcomments.Mark'sversion
- A.2019.07.11v2withcomments.Mark'sversion.Faye'sfeature
- A.2019.07.11v2withcomments.Mark'sversion.Faye'sfeature.finaledits
- A.2019.07.11v2withcomments.Mark'sversion.Faye'sfeature.finaledits.reallyfinal
- A.2019.07.11v2withcomments.Mark'sversion.Faye'sfeature.finaledits.reallyfinal.v2

How can we share?



A

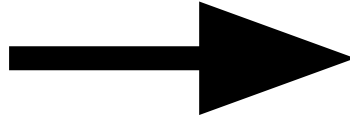


A

Shared work can diverge



A → B



A → C

Git solves
these problems



Git is a version control tool



Let's Git To Work

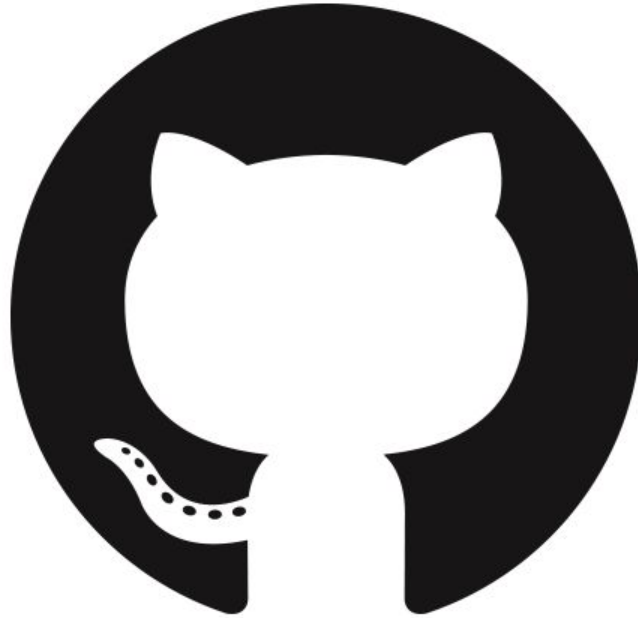
Today's toolbox

- Visual Studio Code (VS Code)
- Git
- A GitHub account



Stop listening to me and create a GitHub account

<https://github.com>



Getting from version A to B **with Git**

- Create a Git **repository**
- **Commit** your project files to the repository



What if B broke things **with Git**?

- Review **diffs** (differences) to see what changed
- **Revert** changes you don't want



How does this all work? Magic?



.git

How can we share **with Git**?



GitHub

What else can we do on GitHub?

- Find cool projects! <https://github.com/explore>
- Contribute to open source!
- Code with your friends and colleagues!
- Publish your own website with GitHub Pages!
<https://pages.github.com/>

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