Using GitHub to version-control and collaborate

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https://github.com/tsgouvea/gitTutorial

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git tracks your code history

Git is a version control system that is used for software development and other version control tasks.

–Wikipedia

Git is a mature, actively maintained open source project originally developed in 2005 by Linus Torvalds, the famous creator of the Linux operating system kernel

–Atlassian's tutorial

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

–The internets somewhere

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The Kepecs Lab `https://github.com/KepecsLab`

software $\neq$ GUI $\neq$ hosting service

git the software

github/bitbucket hosting services

SourceTree the graphical user interface (GUI)

git vocabulary (part 1/2)

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push *Upload* in git lingo.

pull *Download* in git lingo.

Hands On!

- Create a git account
- Download and install SourceTree (or go command line!)
- Create a 'Hello World!' repo
- Clone your repo
- Modify, commit, push

github.com tools for project management

- Organizations
- Teams
- Issues
- Wiki

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detached head Creating new content at an ectopic site.
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Not to be confused with branches.

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Tips

- Master should always be functional

Further reading

Git official documentation
`https://git-scm.com/docs/gittutorial`

Atlassian's **git** tutorial
`https://www.atlassian.com/git/tutorials/`

Atlassian's **SourceTree**/BitBucket tutorial `https://confluence.atlassian.com/bitbucket/tutorial-learn-sourcetree-with-bitbucket-cloud-html`

GitFlow: a tried-and-tested strategy for using branches
`http://nvie.com/posts/a-successful-git-branching-model/`

How github uses github to build github
`https://youtu.be/qyz3jkOBbQY`