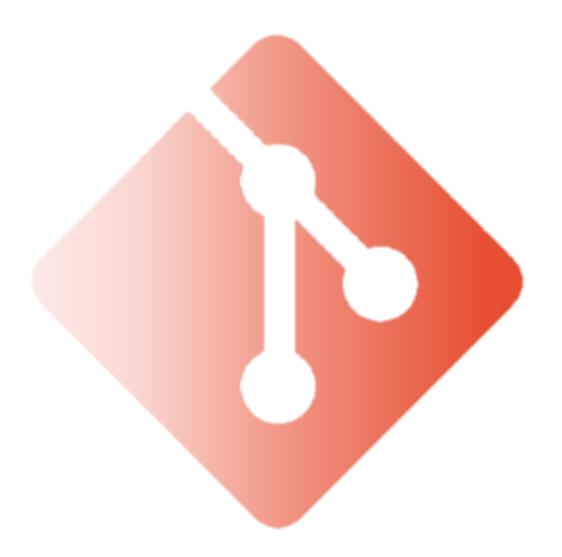
Git (for Dummies)

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For UWICS Project Month 2020



Here's what we'll be covering

- Why Git?
- GitHub
- The Basics
- Git Clients
- Git Kraken
- Some other stuff...

Why Git?

Version Control: A fancy way to say keeping track of changes.

"FINAL".doc







FINAL.doc!

FINAL_rev.2.doc







FINAL_rev.6.COMMENTS.doc

FINAL_rév.8.comments5. CORRECTIONS.doc







FINAL_rev.18.comments7. corrections9.MORE.30.doc

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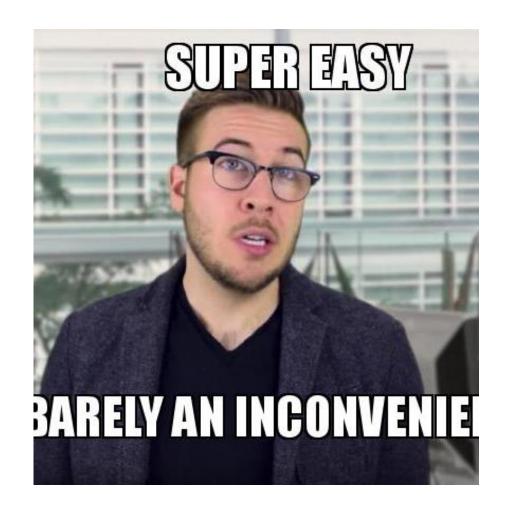
Then there's GitHub

- Contains a ton of Git repositories.
- The largest host of source code in the world.
- Code resources and collaboration Issues, forks, pull requests, open source licenses
- Personal repositories A fancy portfolio that shows you're more 'tech-savvy' than the average secretary



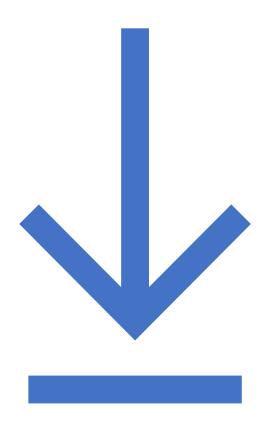
Basics – Creating a Repo

- Can be done using the command line
- On the GitHub website
- Through a client
- ...Many other ways



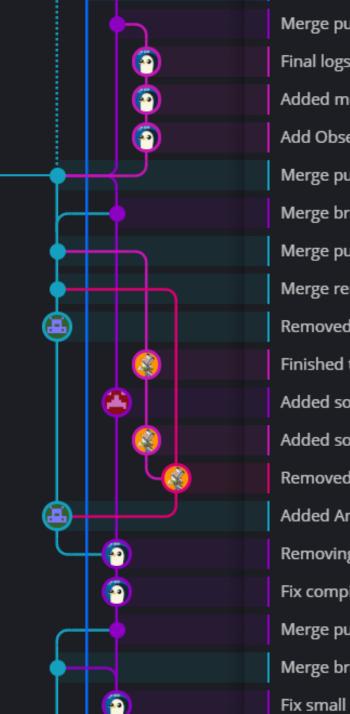
Basics – Commits, Push, Pull

- Commit: Saving changes to a local repository. Local here meaning, on your computer, not in Trinidad.
- Push: Upload changes to the remote repository
- Pull: Download changes from the remote repository to the local repository



Basics – Branches

- Creating Branches allow you to make changes separately.
- Allows different versions of the code or files for testing, alternative development or to simply save the master from fatal errors.
- You can "Checkout" different branches.



Merge pull request #65 f

Final logs in the Controlle

Added more logging with

Add Observer tests

Merge pull request #64 f

Merge branch 'testing-ma

Merge pull request #63 f

Merge remote-tracking b

Removed unused test cla

Finished tests for suggest

Added some tests

Added some tests and pl

Removed duplicate test.

Added Another Board Te

Removing ecclipse stuff

Fix compile problems aga

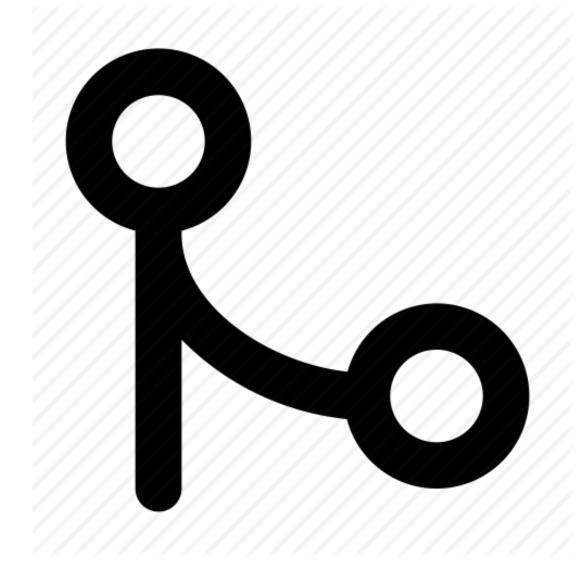
Merge pull request #62 f

Merge branch 'testing-ma

Fix small issues

Not so Basic – Pull requests and Merging, Forking

- These may cause problems if you don't know what you're doing.
- Pull Requests are supposed to prevent you from adding unwanted changes to a branch.
- Forking someone's repo, (if it's correctly licensed) let's you build on their work or make it your own (with credit given of course).



There are many Git Clients

- Git for Windows or Linux
- QGit (Linux)
- Sourcetree (Windows)
- GitBox (for Mac)
- GitKraken
- Integration with IDEs like Visual Studio Code, JetBrains IDEs

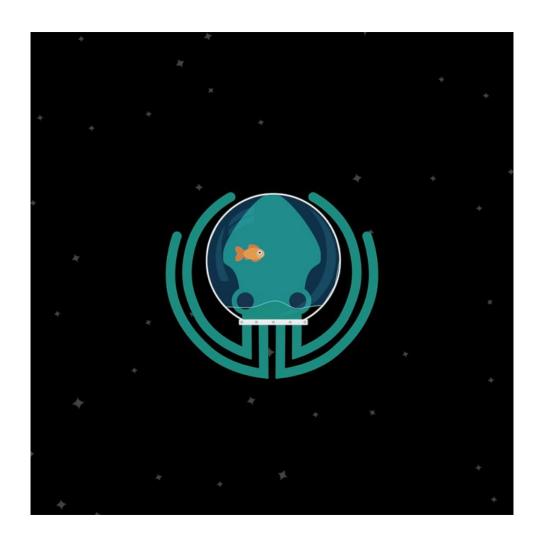






I'm biased, so here's GitKraken:

- Undo/redo
- Stash/Pop
- Ignore
- Merge Conflict resolution



A few things to note

- Git doesn't want your photos, videos, audio files, presentations.
- You need to practice.
- Some clients leave a lot of room for error, some don't.
- EVERYONE can see your repo.
- You can create teams through GitHub Organizations

Resources

- Formatting README.md files: https://guides.github.com/features/mastering-markdown/
- Codecademy Git Course : https://www.codecademy.com/learn/learn-git (To learn git commands)
- Sign up for Project Month here: https://forms.gle/GVktDYY9yMd2MNrS8
- Let me know what else to add here...

That's all folks

Any questions, concerns, corrections, comments, violent outbursts?