Git & GitHub

Including project management

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"FINAL".doc







FINAL.doc!

FINAL_rev.2.doc







FINAL_rev.6.COMMENTS.doc

FINAL_rev.8.comments5.







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

FINAL_rev.22.comments49. corrections.10.#@\$%WHYDID ICOMETOGRADSCHOOL????.doc

Learning objectives

What are versions?

Basic Git and GitHub terminologies

Have a GitHub user account

Markdown styling of the text

Introduction

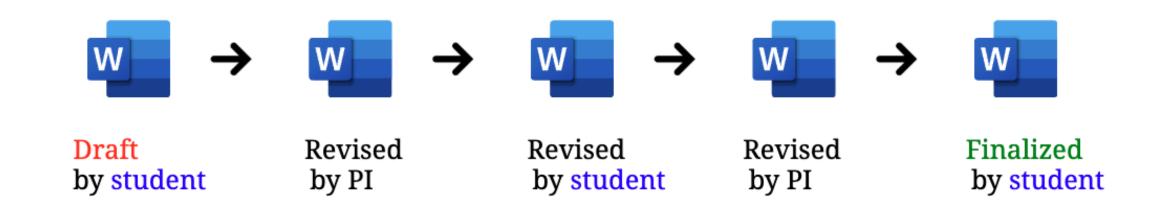
Name

Designation

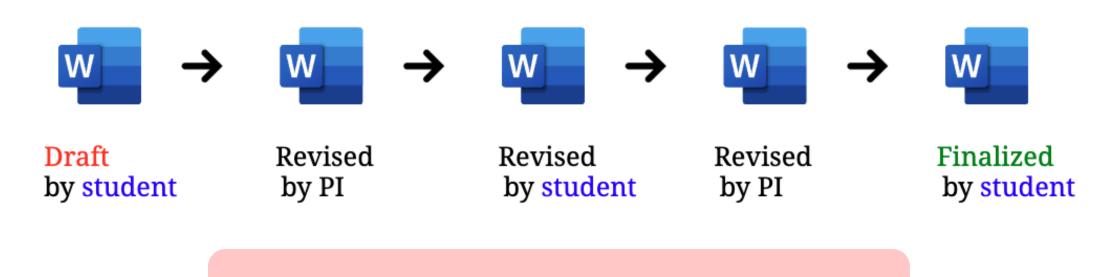
Research group & Institution

Experience with Git and/ or GitHub

A general example of manuscript revision

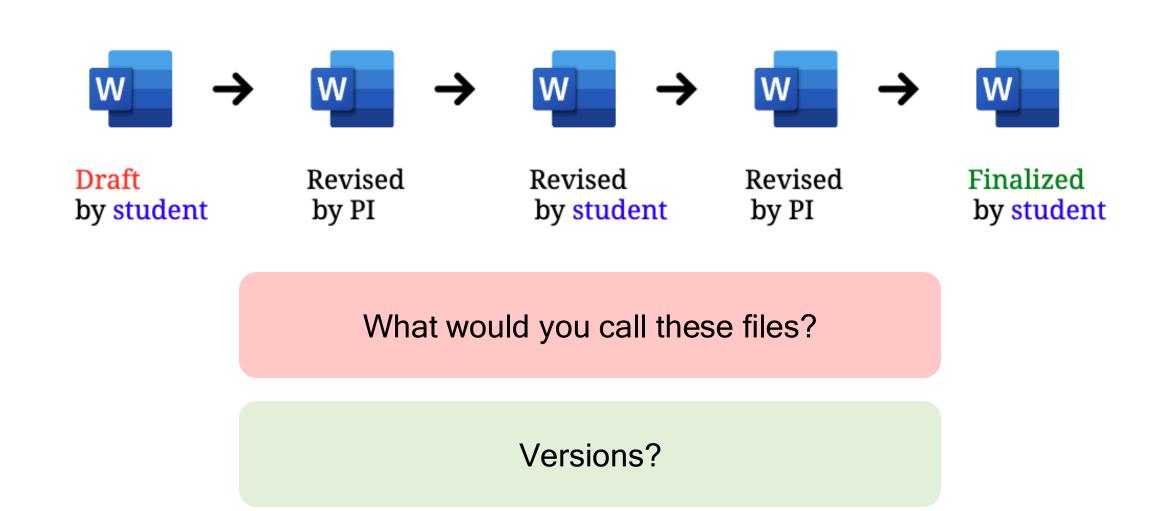


A general example of manuscript revision



What would you call these files?

A general example of manuscript revision



How would you store different versions?

- manuscript_FA.docx
- manuscript_FA_LA.docx
- manuscript_FA_LA_FA.docx
- manuscript_FA_LA_FA_LA.docx
- manuscript_final.docx

How would you store different versions?

- manuscript_FA.docx
- manuscript_FA_LA.docx
- manuscript_FA_LA_FA.docx
- manuscript_FA_LA_FA_LA.docx
- manuscript_final.docx

- manuscript_20221001.docx
- manuscript_20221224.docx
- manuscript_20230107.docx
- manuscript_20230201.docx
- manuscript_final.docx

How would you store different versions?

- manuscript_FA.docx
- manuscript_FA_LA.docx
- manuscript_FA_LA_FA.docx
- manuscript_FA_LA_FA_LA.docx
- manuscript_final.docx

- manuscript_20221001.docx
- manuscript_20221224.docx
- manuscript_20230107.docx
- manuscript_20230201.docx
- manuscript_final.docx

Does anyone store files differently?

Version control

•	le

- manuscript.docx

"commit message"

"first draft"

"revision 1"

"revision 2"

"updated figures"

"removed table"

"line numbering"

"bioRxiv submission"

"published"

version/commit ID

ac3eveta

a23eveta

cc3eveta

dc3edeta

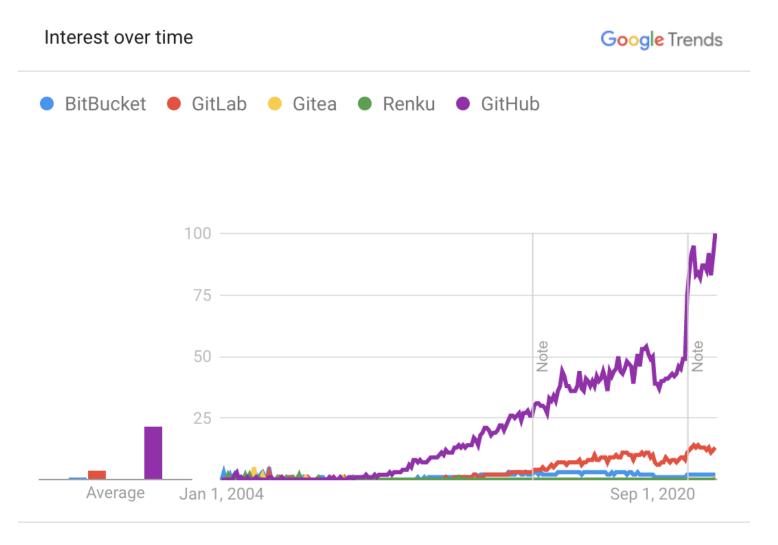
zc9aveta

tc5eveta

yc8evata

zz33eeta

How to host these versions?



Worldwide. 1/1/04 - 2/9/23. Web Search.

Terminologies

Organization shared account

Username your identity

Repository folder

Issues track bugs, request features, discuss

Branch separate line of development

Fork server-side copy of Repository

Pull request proposal to merge changes

- 1. Create a username on https://github.com
- 2. Check if you belong to any organization
- 3. Create a new public Repository with your username
- 4. Go to your home page: https://github.com/username
- 5. Take a screenshot

```
# This is heading 1
## This is heading 2
`code`
R code
```

. . .

```
**Bold** ___Bold___
```

Italics _Italics_

~Strikeout~

> quote

This is a list

- Item 1
- Item 2
- Item 3

This is a numbered list

- 1. Item 1
- 2. Item 2
- 3. Item 3

```
This is a task list
```

- [] Item 1
- [] Item 2
- -[] Item 3

[this is a link](https://github.com)

Making a table

- 1. Create a file: README.md in your username Repository
- 2. Write your introduction into sections: Background, Research project, Affiliation, Education
- 3. In the Education section, make a table of your studies with university and year
- 4. Save your README.md file with a proper commit message
- 5. Go to your home page: https://github.com/username
- 6. Compare it with previously taken screenshot

- Create an issue in your repository: https://github.com/username/repository/issues/new
- 2. Give it a title: updating README file
- 3. Write a description: what else you would like to update in the README file
- 4. Assign it to yourself, add relevant labels and type

- 1. Go to https://github.com/DQBM-SIB/intro git github
- 2. Fork this repository under your username
- 3. Create a branch with your first name
- 4. In your named branch, edit README file of this repo and add your GitHub username
- 5. Create a pull request for original repository DQBM-SIB/intro_git_github in main branch with appropriate message
- After pull requests are merged, check different commit messages

Thank you!